

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL122921\
 Data File : VL038231.D
 Acq On : 29 Dec 2021 13:34
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 29 18:39:39 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL122121AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Dec 21 17:47:08 2021
 QLast Update : Tue Dec 21 17:47:08 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	739918	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2014743	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	2265416	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1505130	8.62	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	86.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.06	85	1187574	8.518	ppbv	98
3) Chlorodifluoromethane	3.00	51	1348787	8.675	ppbv	99
4) Chloromethane	3.16	50	466162	8.647	ppbv	97
5) Vinyl Chloride	3.27	62	473732	8.742	ppbv	99
6) Bromomethane	3.49	94	265406	9.612	ppbv	94
7) Chloroethane	3.57	64	164589	9.020	ppbv	99
8) Dichlorotetrafluoroethane	3.20	85	1124246	8.497	ppbv	96
9) Propene	3.02	41	458844	8.499	ppbv	99
10) Heptane	8.13	43	1150594	8.402	ppbv	99
11) Trichlorofluoromethane	3.96	101	1134900	8.863	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.50	101	830365	8.586	ppbv	96
13) Ethanol	3.62	45	63221	6.907	ppbv #	100
14) Bromoethene	3.75	108	351121	9.113	ppbv	97
15) Acetone	3.86	43	590269	7.949	ppbv	96
16) 1,3-Butadiene	3.34	39	455103	8.996	ppbv	99
17) tert-Butyl alcohol	4.30	59	713158	8.744	ppbv	99
18) 1,1-Dichloroethene	4.30	96	370400	8.745	ppbv	99
19) Isopropyl Alcohol	3.98	45	408024	8.809	ppbv	100
20) Methylene Chloride	4.36	84	312240	7.447	ppbv	97
21) Allyl Chloride	4.42	41	566999	9.026	ppbv	96
22) trans-1,2-Dichloroethene	4.90	96	391650	9.063	ppbv	96
23) Vinyl Acetate	5.08	43	932059	9.270	ppbv	98
24) 1,1-Dichloroethane	5.02	63	767743	8.538	ppbv	100
25) Ethyl Acetate	5.69	43	1801172	8.953	ppbv	99
26) Hexane	5.70	57	827658	8.199	ppbv	96
27) Carbon Disulfide	4.56	76	979830	11.027	ppbv	100
28) Methyl tert-Butyl Ether	5.04	73	802969	7.916	ppbv	99
29) Chloroform	5.76	83	1349400	9.009	ppbv	98
30) Cyclohexane	7.14	84	704964	7.885	ppbv	90
31) cis-1,2-Dichloroethene	5.56	61	845910	10.686	ppbv	93
32) 1,1,1-Trichloroethane	6.52	97	1359241	9.146	ppbv	98
34) 2-Butanone	5.26	43	601984	9.941	ppbv	99
35) Carbon Tetrachloride	7.03	117	1414430	11.373	ppbv	99
36) Benzene	6.90	78	1749513	9.309	ppbv	97
37) 1,2-Dichloroethane	6.32	62	1011372	10.725	ppbv	98
38) Trichloroethene	7.84	130	633446	8.857	ppbv	96
39) 1,2-Dichloropropane	7.62	63	686707	9.494	ppbv	97
40) 1,4-Dioxane	7.84	88	171545	8.153	ppbv	95
41) Tetrahydrofuran	6.06	42	445032	10.033	ppbv	97
42) Bromodichloromethane	7.80	83	1506182	11.226	ppbv	99
43) Methyl Methacrylate	8.02	69	659656	10.200	ppbv	96

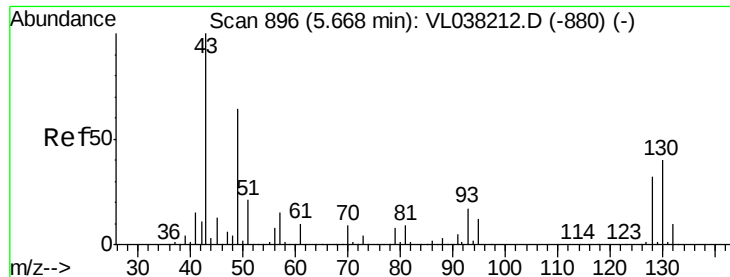
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL122921\
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Quant Time: Dec 29 18:39:39 2021
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Dec 21 17:47:08 2021
 QLast Update : Tue Dec 21 17:47:08 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	2927682	9.171	ppbv	98
45) t-1,3-Dichloropropene	9.28	75	613077	12.809	ppbv	96
46) cis-1,3-Dichloropropene	8.71	75	767026	11.577	ppbv	96
47) 1,1,2-Trichloroethane	9.48	97	681150	9.074	ppbv	98
48) Dibromochloromethane	10.31	129	1184817	11.224	ppbv	99
49) Bromoform	13.05	173	855836	11.411	ppbv	98
50) 4-Methyl-2-Pentanone	8.75	43	1208697	10.978	ppbv	98
51) 2-Hexanone	10.14	43	565645	10.734	ppbv #	97
52) Tetrachloroethene	11.23	164	545611	7.865	ppbv	96
53) Toluene	9.82	91	1936753	8.932	ppbv	99
54) 1,2-Dibromoethane	10.62	107	988789	9.285	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.13	131	727982	7.726	ppbv	96
57) Chlorobenzene	12.15	112	1292461	6.578	ppbv	93
58) Ethyl Benzene	12.72	91	2516658	7.159	ppbv	97
59) m/p-Xylene	13.00	91	2262743	7.529	ppbv #	49
60) o-Xylene	13.70	91	1909429	6.853	ppbv	97
61) Styrene	13.54	104	964430	6.833	ppbv	93
62) Isopropylbenzene	14.67	105	2515163	6.429	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	1337338	6.241	ppbv	99
64) n-propylbenzene	15.57	120	639835	6.578	ppbv	89
65) tert-Butylbenzene	16.75	119	2183189	6.340	ppbv	96
66) Benzyl Chloride	17.00	91	145315	11.323	ppbv	96
67) sec-Butylbenzene	17.30	105	3048609	6.443	ppbv	99
69) p-Isopropyltoluene	17.66	119	2425373	6.373	ppbv	98
70) n-Butylbenzene	18.55	91	2479088	6.852	ppbv	98
71) 2-Chlorotoluene	15.46	91	1912890	6.569	ppbv	98
72) 4-Ethyltoluene	15.85	105	2113235	6.586	ppbv	98
73) 1,3,5-Trimethylbenzene	16.00	105	1901818	6.623	ppbv	99
74) 1,2,4-Trimethylbenzene	16.77	105	1972496	6.540	ppbv	97
75) 1,3-Dichlorobenzene	17.00	146	1069714	6.566	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	1021435	6.319	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	1010019	6.475	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	606623	6.303	ppbv	100
79) Naphthalene	22.20	128	1175452	7.544	ppbv	98
80) Naphthalene, 2-methyl-	24.97	142	201120	6.506	ppbv #	91
81) 1,2,4-Trichlorobenzene	21.93	180	633985	7.116	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 29 Dec 2021 13:34

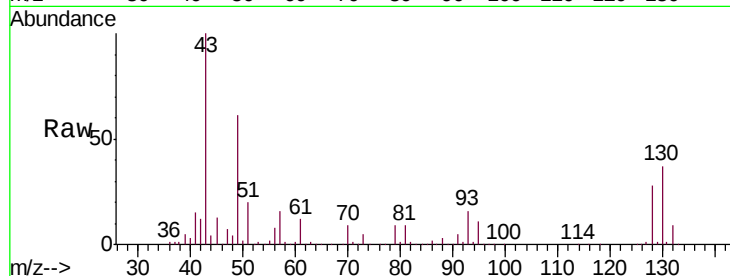
Tot Ion: 49 Resp: 739918

Ion Ratio Lower Upper

49 100

128 50.1 26.9 80.6

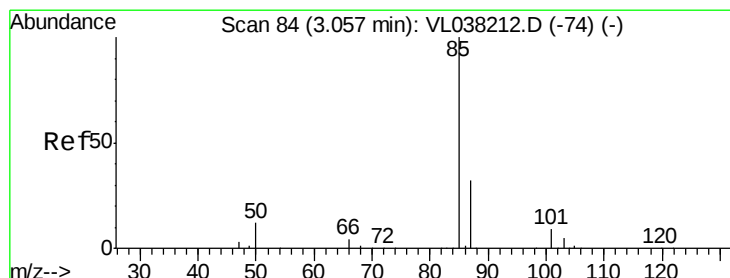
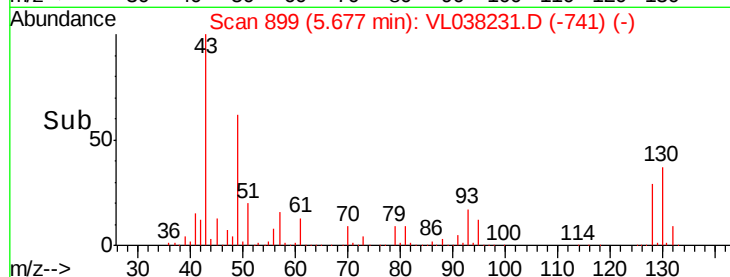
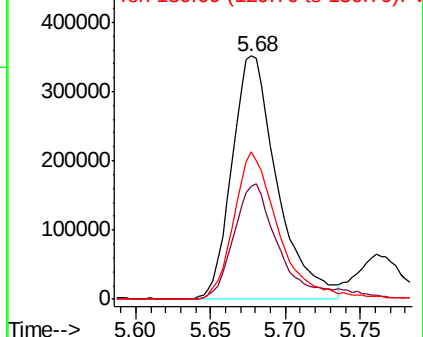
130 60.8 32.3 96.9



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: 8.518 ppbv

RT: 3.06 min Scan# 86

Delta R.T. 0.01 min

Lab File: VL038231.D

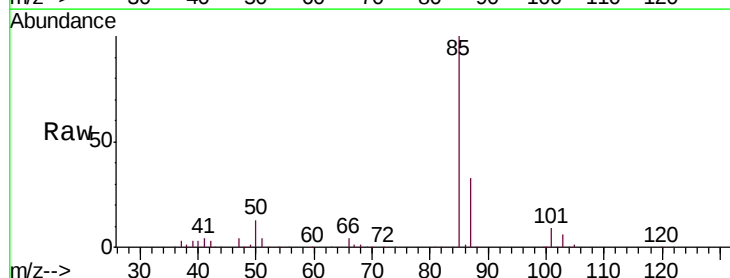
Acq: 29 Dec 2021 13:34

Tgt Ion: 85 Resp: 1187574

Ion Ratio Lower Upper

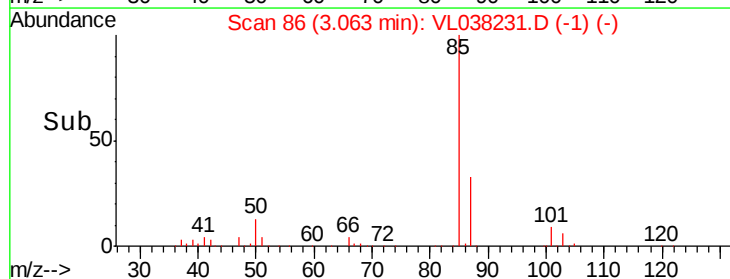
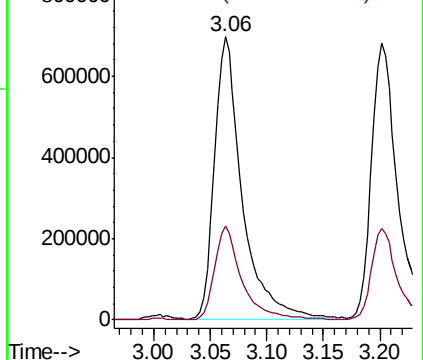
85 100

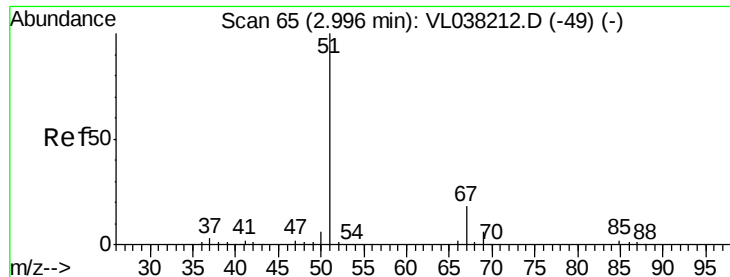
87 33.1 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

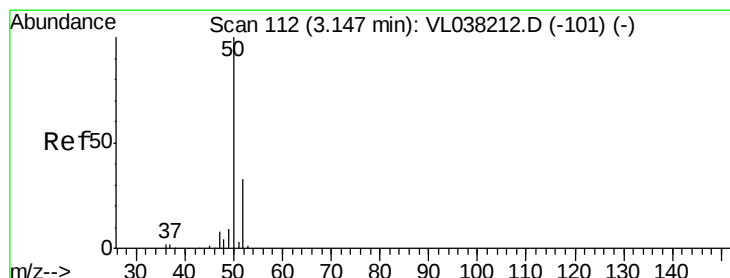
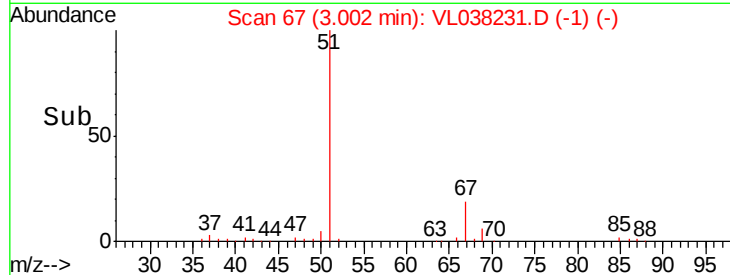
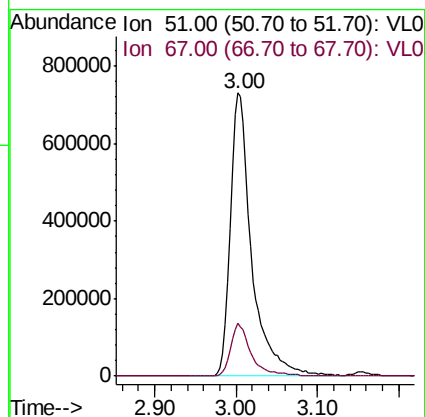
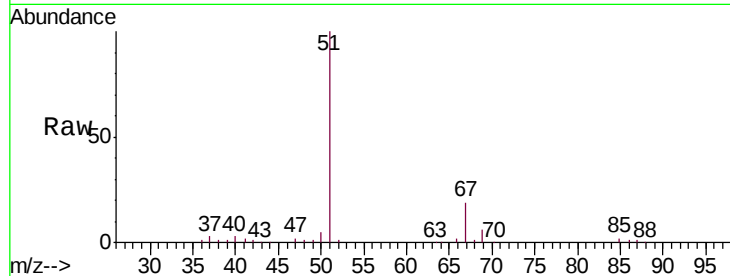
Ion 87.00 (86.70 to 87.70): VL0





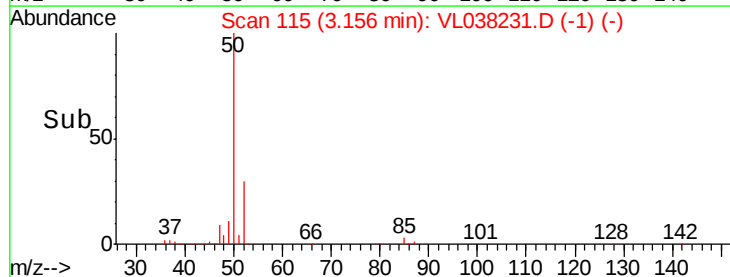
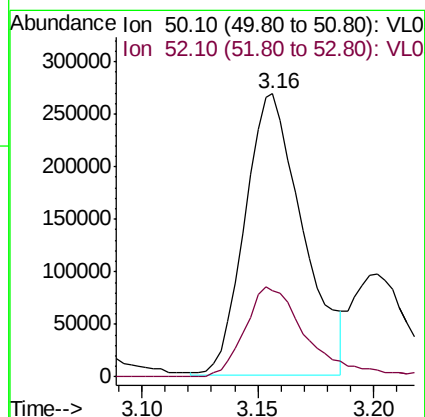
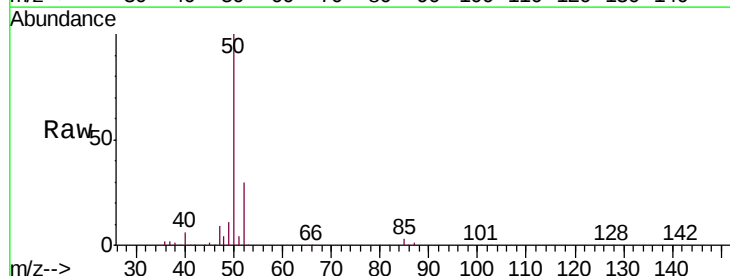
#3
 Chlorodifluoromethane
 Concen: 8.675 ppbv
 RT: 3.00
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 29 Dec 2021 13:34

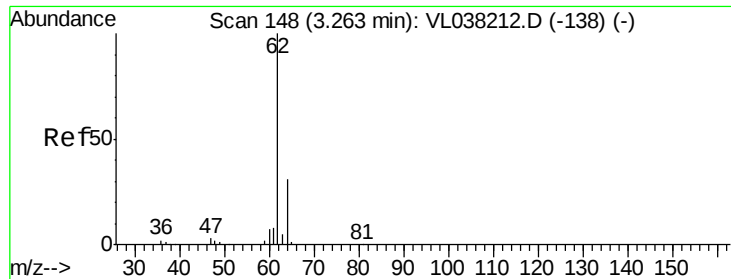
Tot Ion: 51 Resp: 1348787
 Ion Ratio Lower Upper
 51 100
 67 18.0 14.0 21.0



#4
 Chloromethane
 Concen: 8.647 ppbv
 RT: 3.16 min Scan# 115
 Delta R.T. 0.01 min
 Lab File: VL038231.D
 Acq: 29 Dec 2021 13:34

Tgt Ion: 50 Resp: 466162
 Ion Ratio Lower Upper
 50 100
 52 30.8 26.2 39.2





#5

Vinyl Chloride

Concen: 8.742 ppbv

RT: 3.27 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

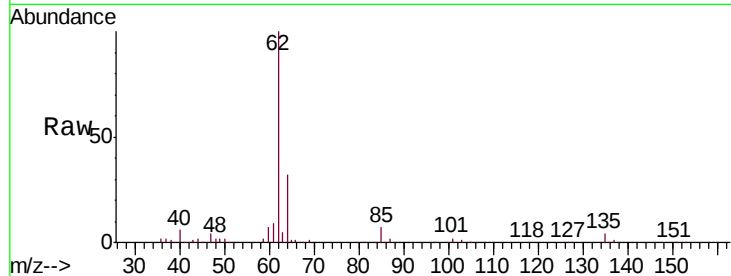
Acq: 29 Dec 2021 13:34

Tot Ion: 62 Resp: 473732

Ion Ratio Lower Upper

62 100

64 31.7 25.1 37.7



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.27

250000

200000

150000

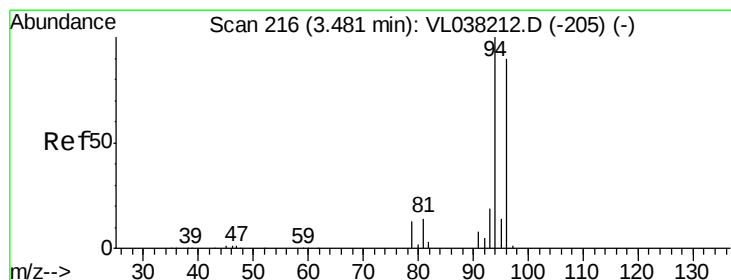
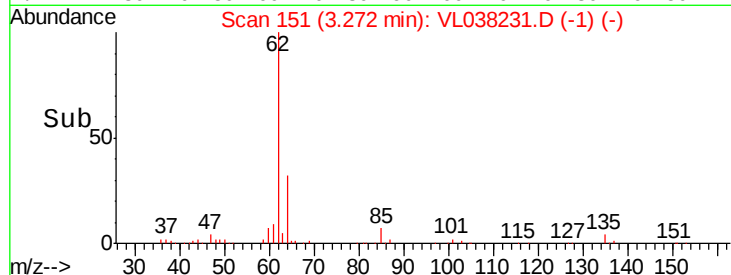
100000

50000

0

Time-->

3.20 3.25 3.30 3.35



#6

Bromomethane

Concen: 9.612 ppbv

RT: 3.49 min Scan# 218

Delta R.T. 0.01 min

Lab File: VL038231.D

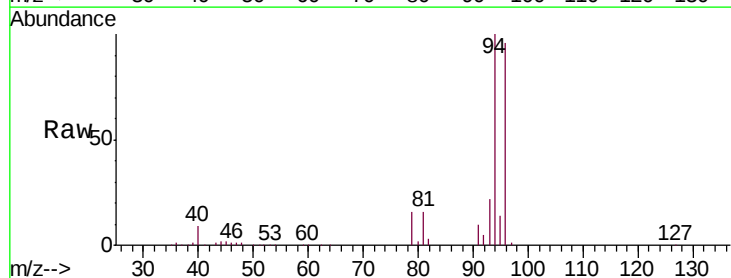
Acq: 29 Dec 2021 13:34

Tgt Ion: 94 Resp: 265406

Ion Ratio Lower Upper

94 100

96 95.7 72.2 108.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.49

150000

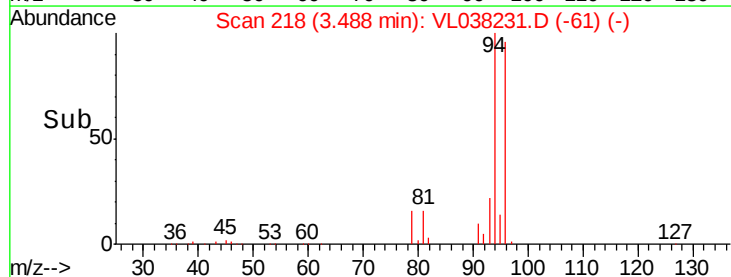
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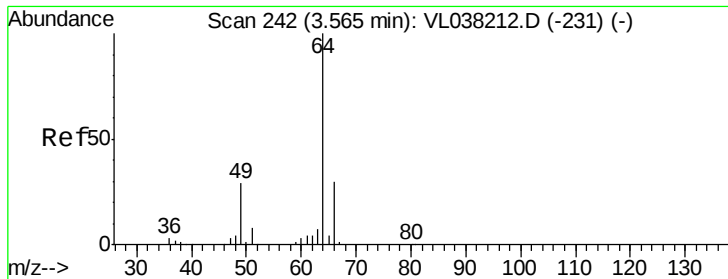
50000

0

Time-->

3.40 3.45 3.50 3.55 3.60





#7

Chloroethane

Concen: 9.020 ppbv

RT: 3.57 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

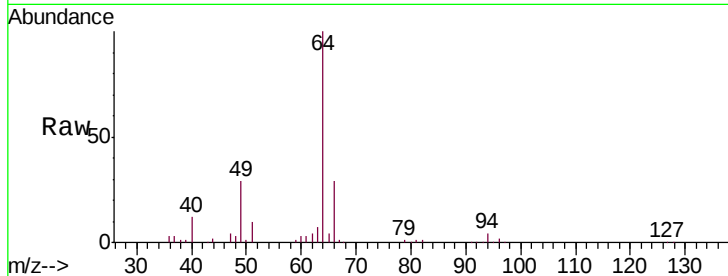
Acq: 29 Dec 2021 13:34

Tot Ion: 64 Resp: 164589

Ion Ratio Lower Upper

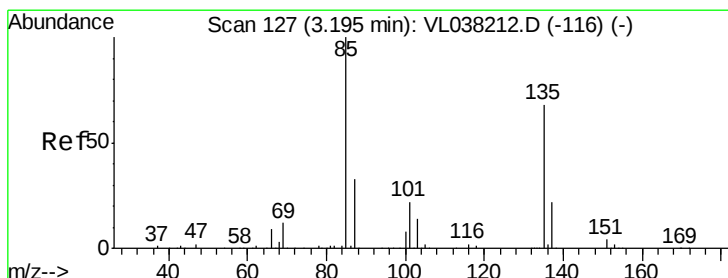
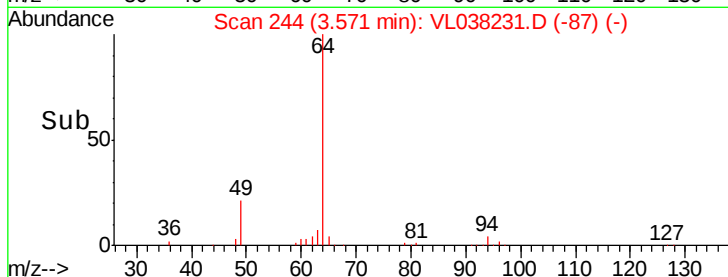
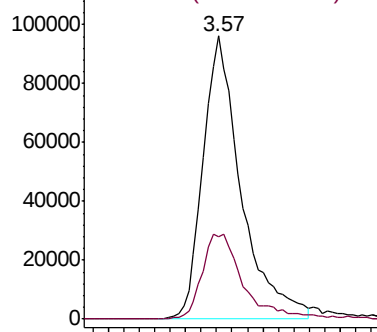
64 100

66 29.1 23.6 35.4



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 8.497 ppbv

RT: 3.20 min Scan# 129

Delta R.T. 0.01 min

Lab File: VL038231.D

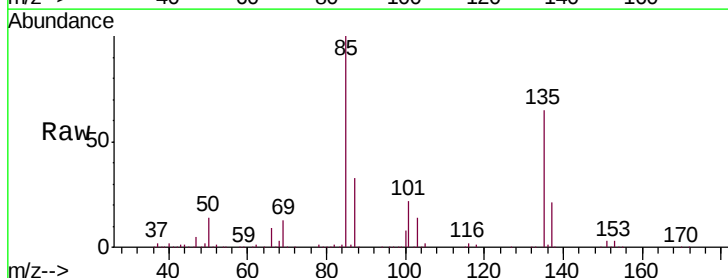
Acq: 29 Dec 2021 13:34

Tgt Ion: 85 Resp: 1124246

Ion Ratio Lower Upper

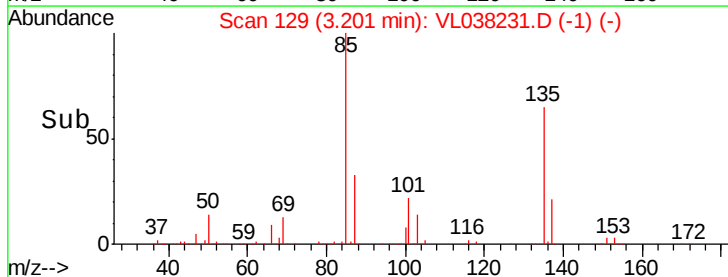
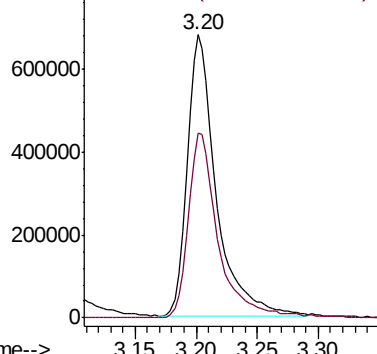
85 100

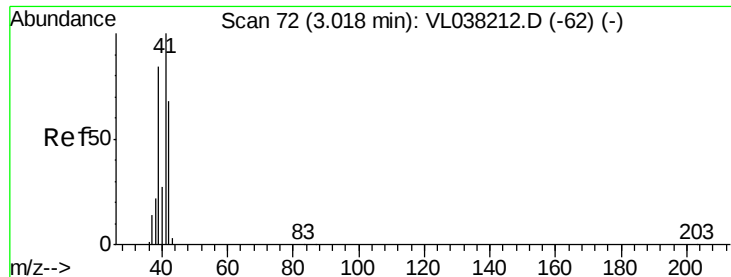
135 68.9 57.7 86.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 8.499 ppbv

RT: 3.02 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

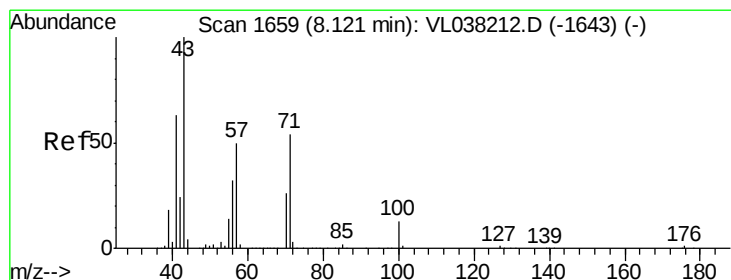
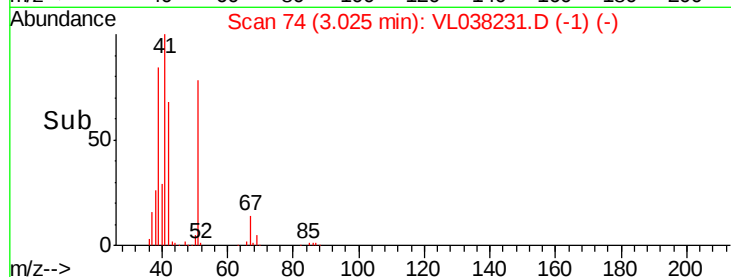
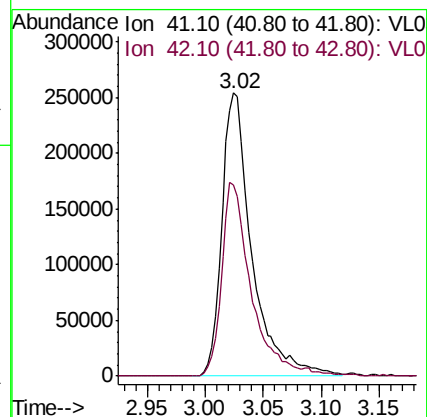
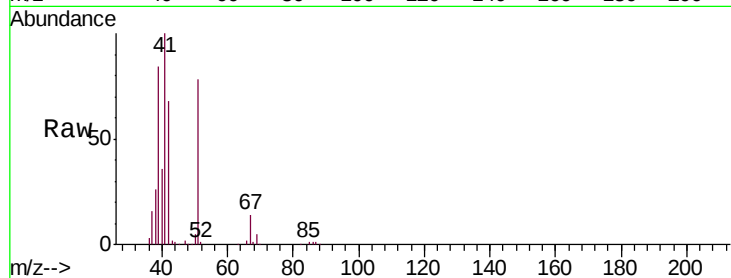
Acq: 29 Dec 2021 13:34

Tot Ion: 41 Resp: 458844

Ion Ratio Lower Upper

41 100

42 68.2 55.5 83.3



#10

Heptane

Concen: 8.402 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. 0.01 min

Lab File: VL038231.D

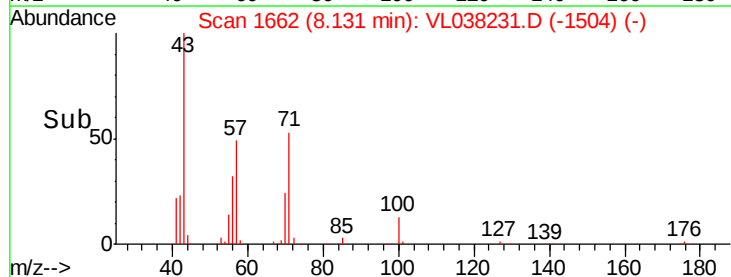
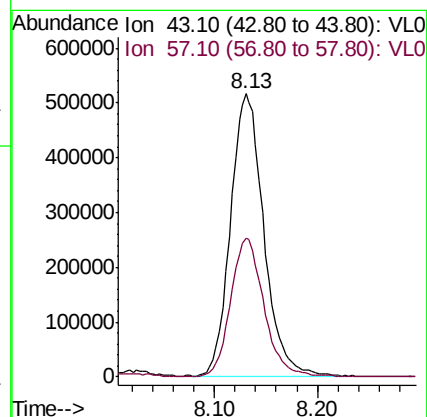
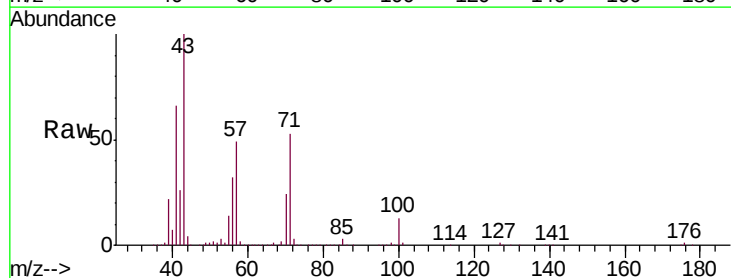
Acq: 29 Dec 2021 13:34

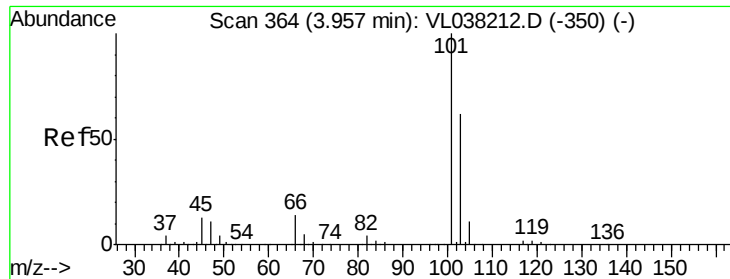
Tgt Ion: 43 Resp: 1150594

Ion Ratio Lower Upper

43 100

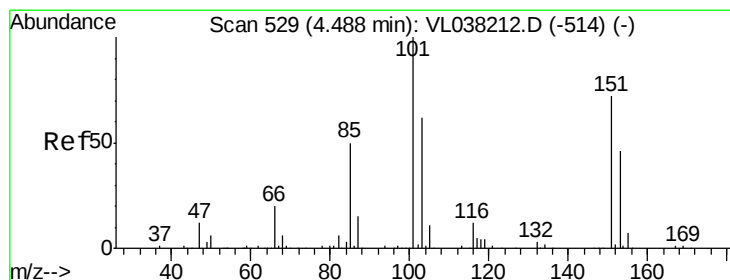
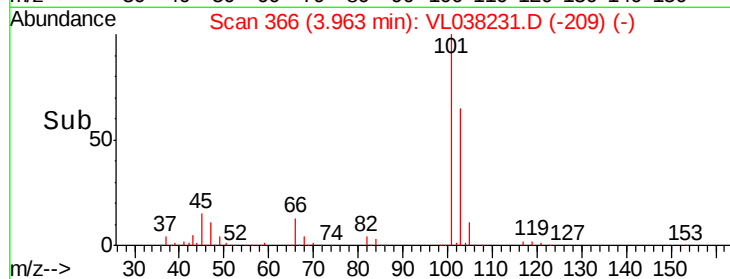
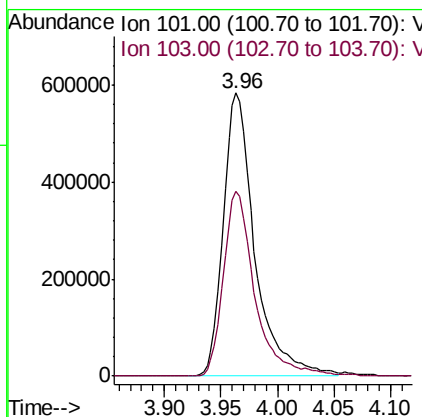
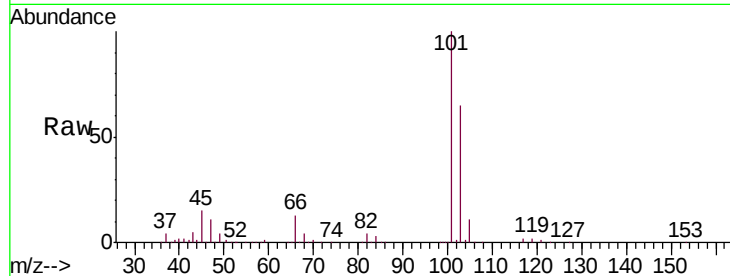
57 49.7 40.3 60.5





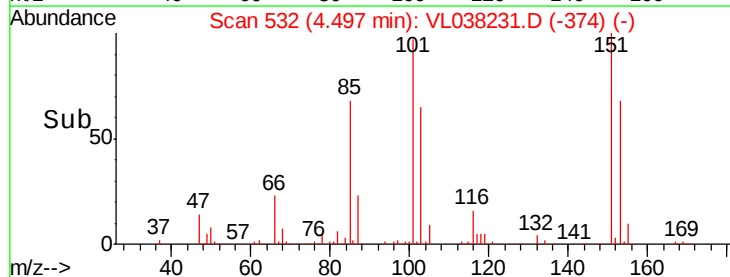
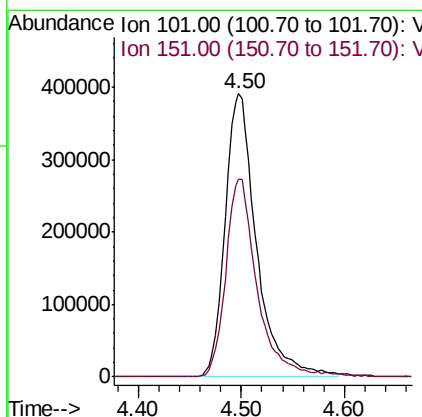
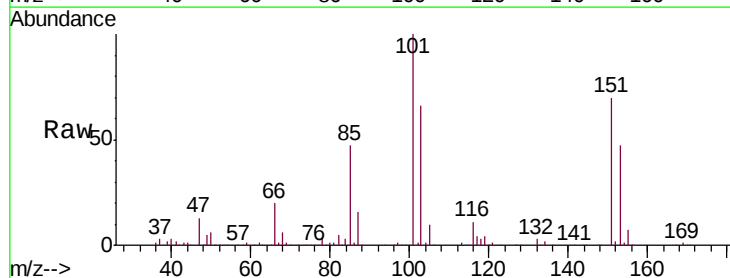
#11
 Trichlorofluoromethane
 Concen: 8.863 ppbv
 RT: 3.96
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 29 Dec 2021 13:34

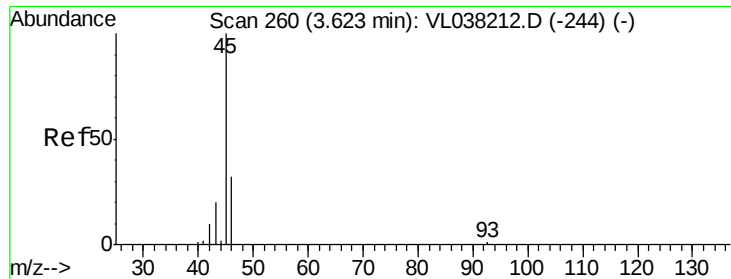
Tot Ion:101 Resp: 1134900
 Ion Ratio Lower Upper
 101 100
 103 65.4 49.9 74.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.586 ppbv
 RT: 4.50 min Scan# 532
 Delta R.T. 0.01 min
 Lab File: VL038231.D
 Acq: 29 Dec 2021 13:34

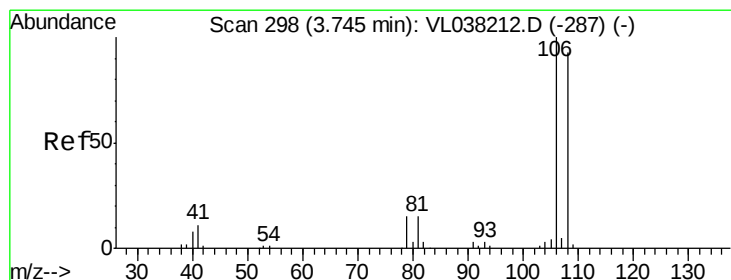
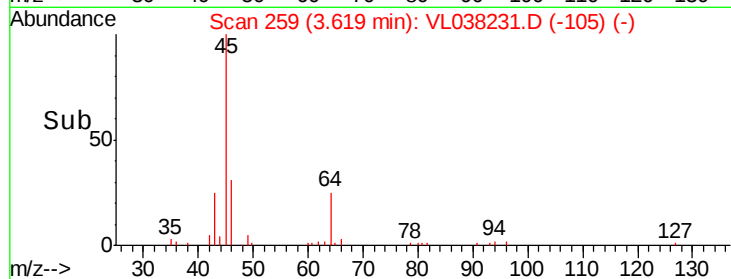
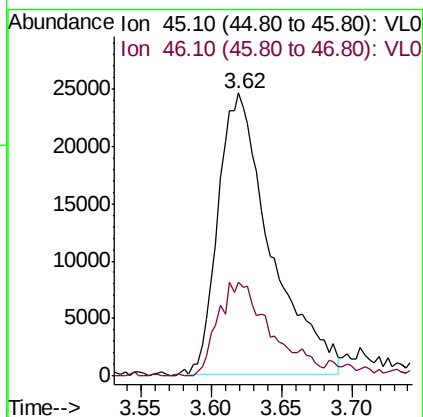
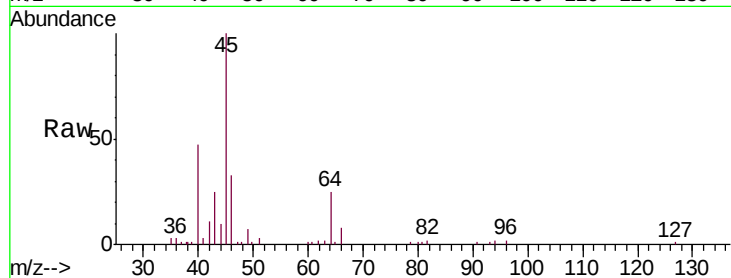
Tgt Ion:101 Resp: 830365
 Ion Ratio Lower Upper
 101 100
 151 70.1 58.6 87.8





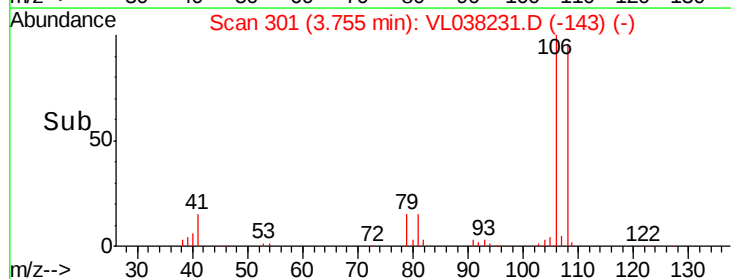
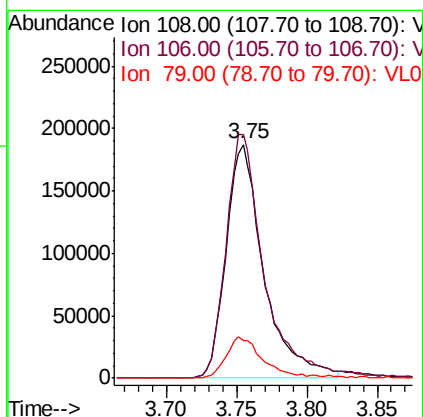
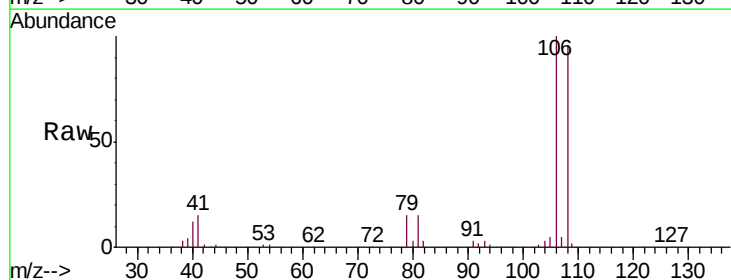
#13
Ethanol
Concen: 6.907 ppbv
RT: 3.62
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 29 Dec 2021 13:34

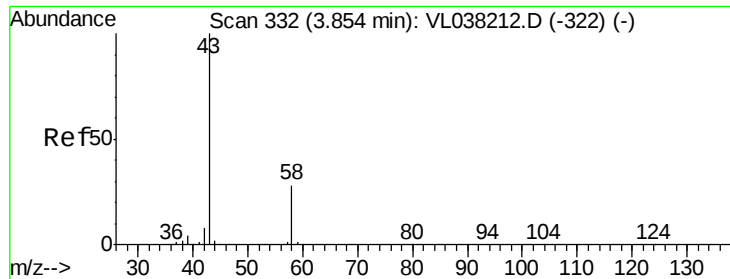
Tot Ion: 45 Resp: 63221
Ion Ratio Lower Upper
45 100
46 38.2 0.0 0.0#



#14
Bromoethene
Concen: 9.113 ppbv
RT: 3.75 min Scan# 301
Delta R.T. 0.01 min
Lab File: VL038231.D
Acq: 29 Dec 2021 13:34

Tgt Ion: 108 Resp: 351121
Ion Ratio Lower Upper
108 100
106 106.8 88.2 132.2
79 18.4 13.7 20.5





#15

Acetone

Concen: 7.949 ppbv

RT: 3.86 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

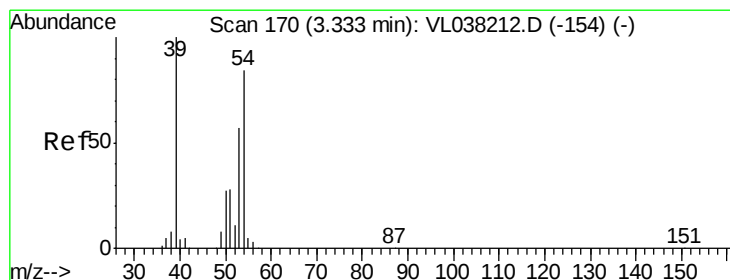
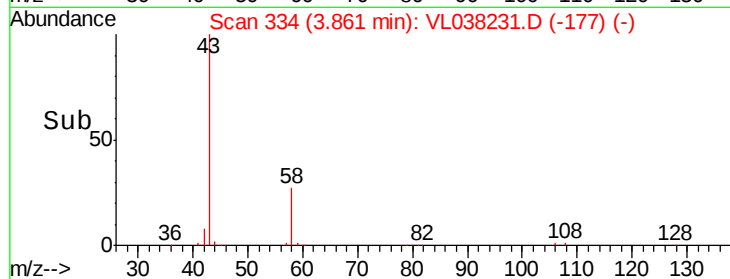
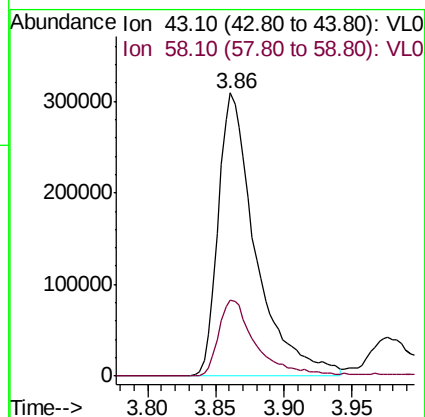
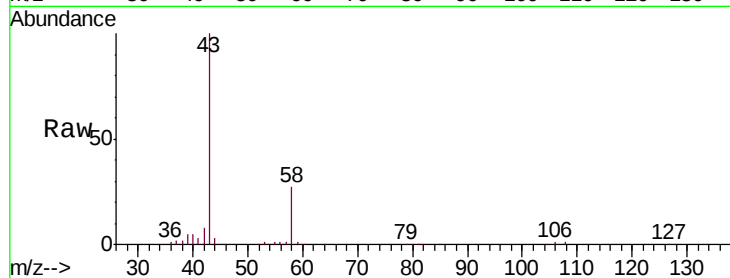
Acq: 29 Dec 2021 13:34

Tot Ion: 43 Resp: 590269

Ion Ratio Lower Upper

43 100

58 27.1 23.3 34.9



#16

1,3-Butadiene

Concen: 8.996 ppbv

RT: 3.34 min Scan# 173

Delta R.T. 0.01 min

Lab File: VL038231.D

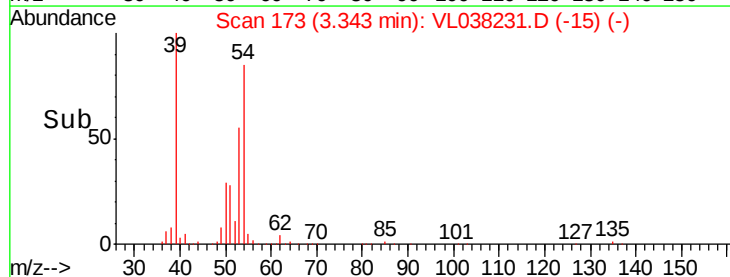
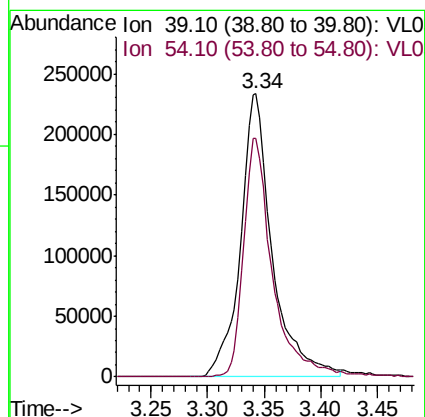
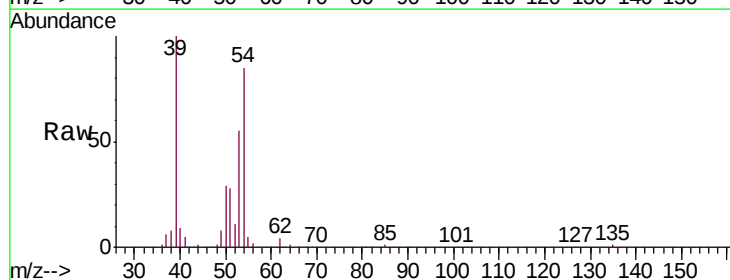
Acq: 29 Dec 2021 13:34

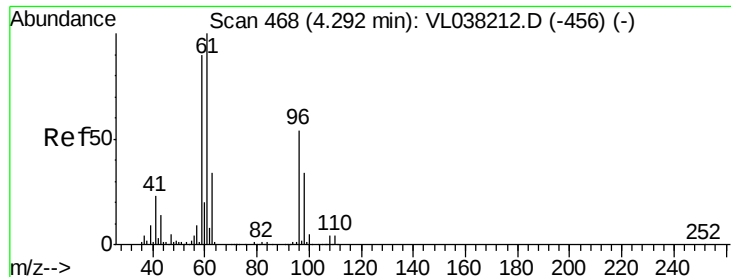
Tgt Ion: 39 Resp: 455103

Ion Ratio Lower Upper

39 100

54 78.1 62.9 94.3





#17

tert-Butyl alcohol

Concen: 8.744 ppbv

RT: 4.30 min

Delta R.T. MSVOA_L

Lab File:

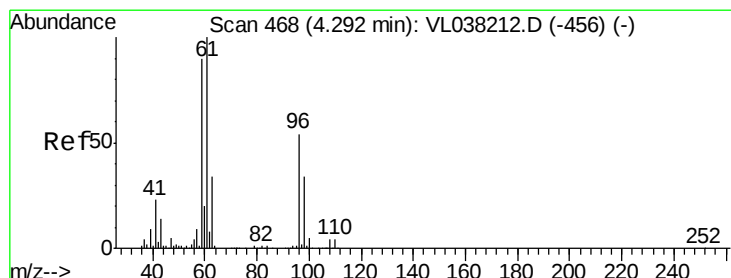
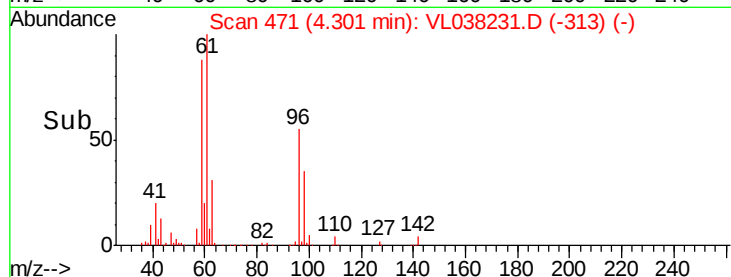
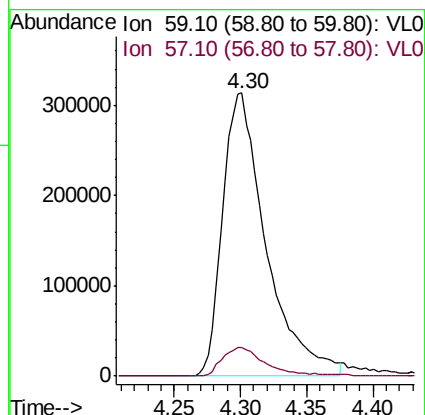
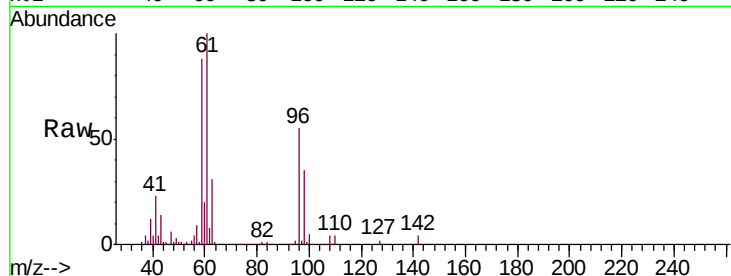
Acq: 29 Dec 2021 13:34

Tot Ion: 59 Resp: 713158

Ion Ratio Lower Upper

59 100

57 10.6 8.7 13.1



#18

1,1-Dichloroethene

Concen: 8.745 ppbv

RT: 4.30 min Scan# 471

Delta R.T. 0.01 min

Lab File: VL038231.D

Acq: 29 Dec 2021 13:34

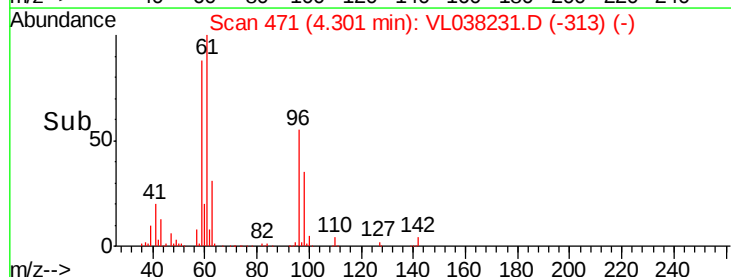
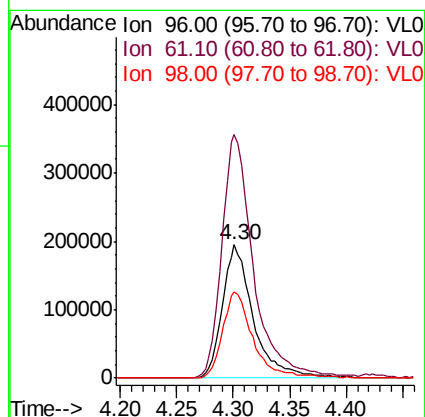
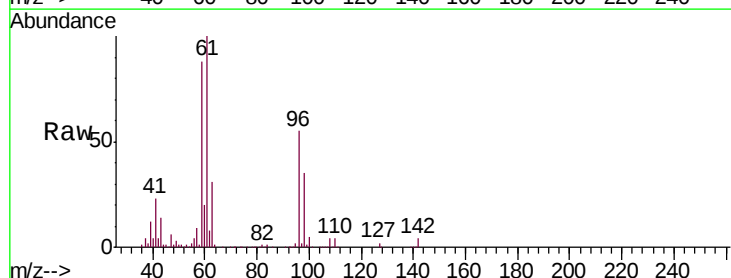
Tgt Ion: 96 Resp: 370400

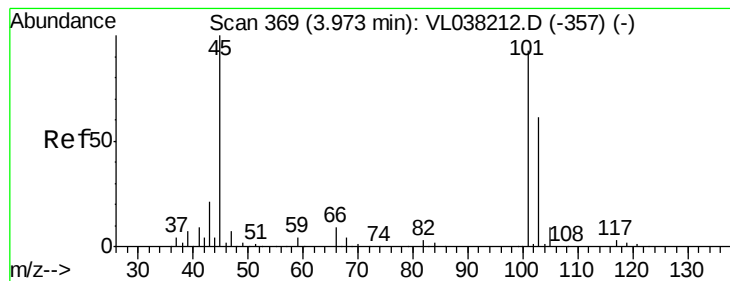
Ion Ratio Lower Upper

96 100

61 182.5 147.4 221.0

98 64.4 50.7 76.1





#19

Isopropyl Alcohol

Concen: 8.809 ppbv

RT: 3.98 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

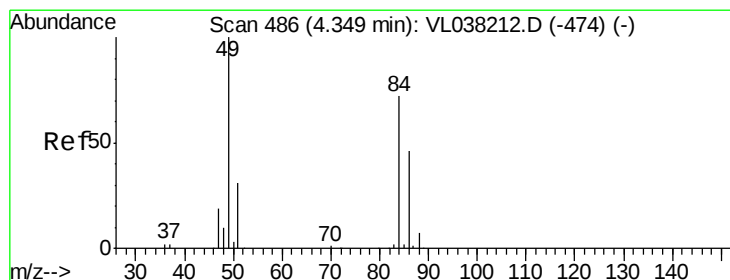
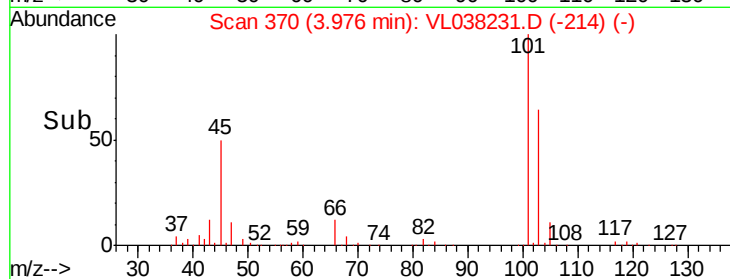
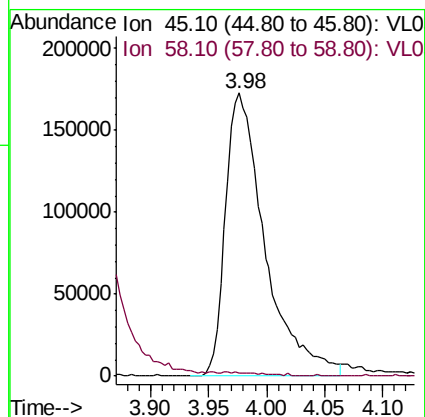
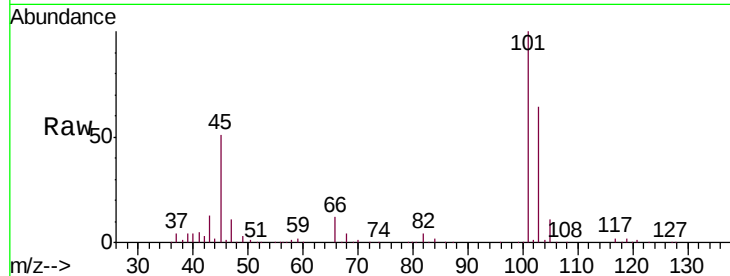
Acq: 29 Dec 2021 13:34

Tot Ion: 45 Resp: 408024

Ion Ratio Lower Upper

45 100

58 40.5 32.4 48.6



#20

Methylene Chloride

Concen: 7.447 ppbv

RT: 4.36 min Scan# 488

Delta R.T. 0.01 min

Lab File: VL038231.D

Acq: 29 Dec 2021 13:34

Tgt Ion: 84 Resp: 312240

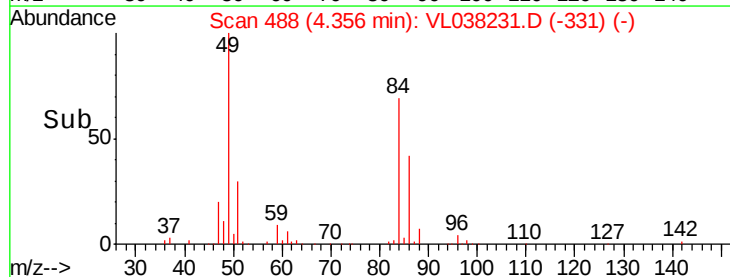
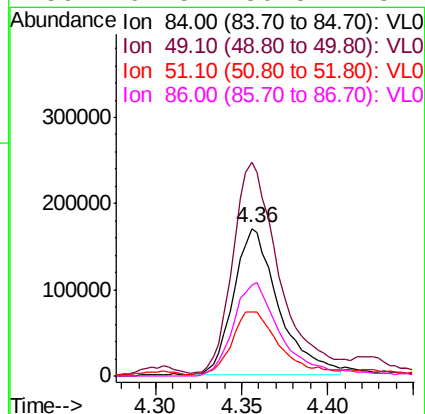
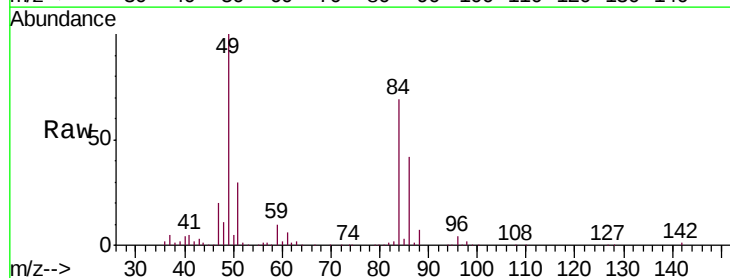
Ion Ratio Lower Upper

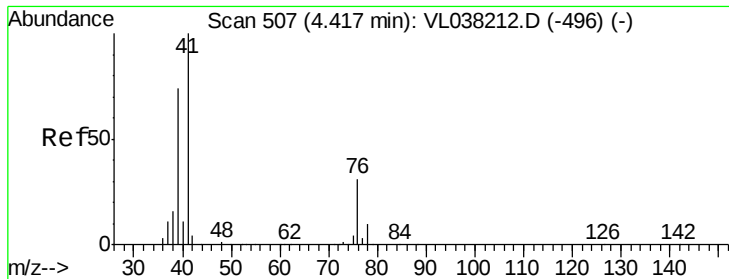
84 100

49 143.6 110.6 166.0

51 42.9 34.2 51.2

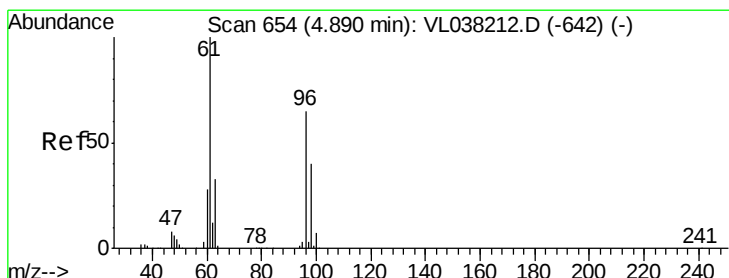
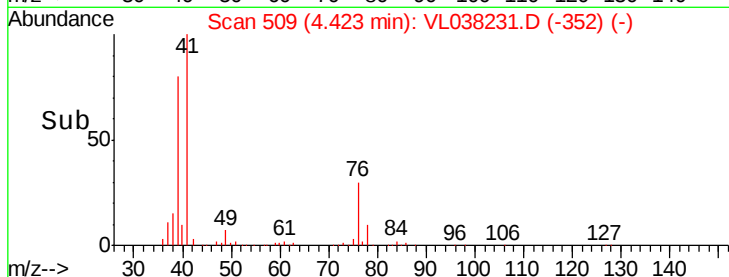
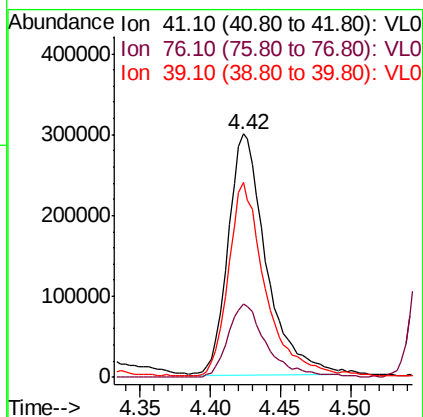
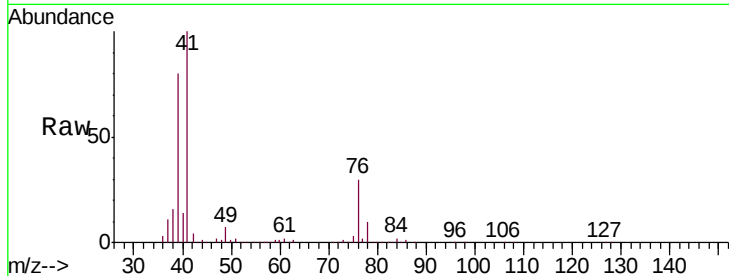
86 61.5 50.5 75.7





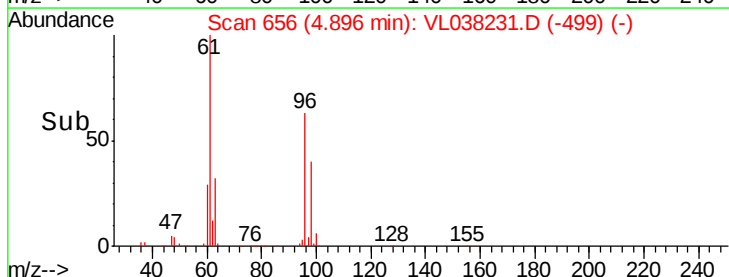
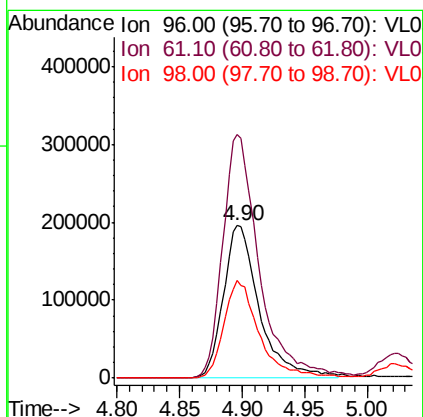
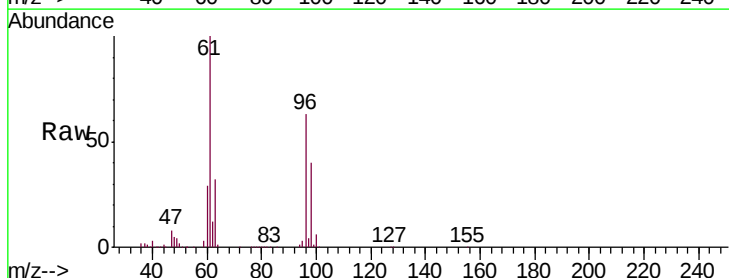
#21
 Allvl Chloride
 Concen: 9.026 ppbv
 RT: 4.42
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 29 Dec 2021 13:34

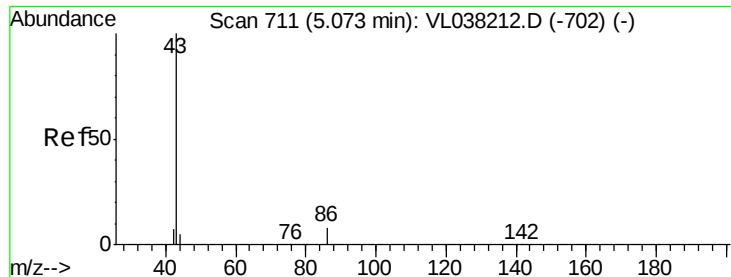
Tot Ion:	41	Resp:	566999
Ion	Ratio	Lower	Upper
41	100		
76	30.9	25.2	37.8
39	77.9	66.1	99.1



#22
 trans-1,2-Dichloroethene
 Concen: 9.063 ppbv
 RT: 4.90 min Scan# 656
 Delta R.T. 0.01 min
 Lab File: VL038231.D
 Acq: 29 Dec 2021 13:34

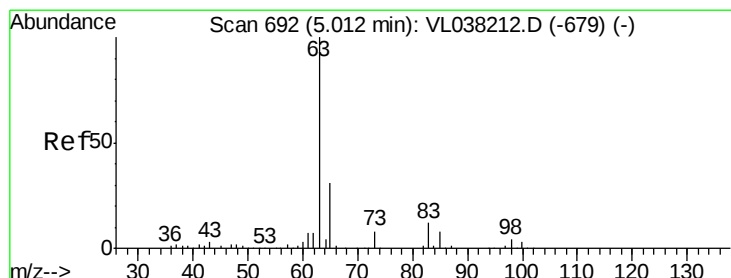
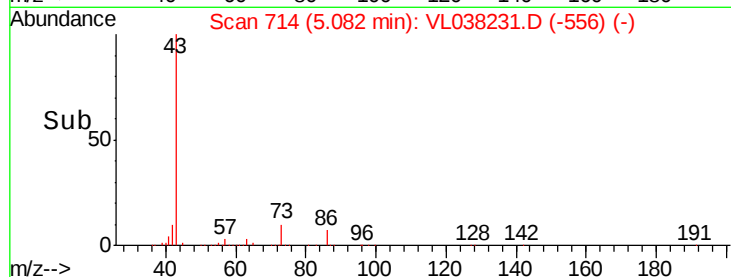
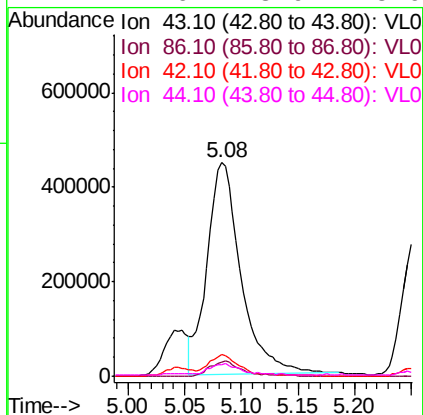
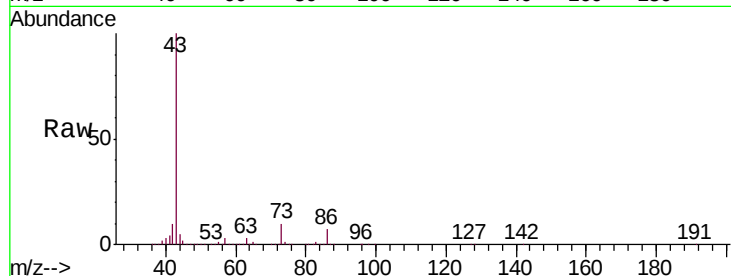
Tgt Ion:	96	Resp:	391650
Ion	Ratio	Lower	Upper
96	100		
61	159.7	123.5	185.3
98	64.3	50.0	75.0





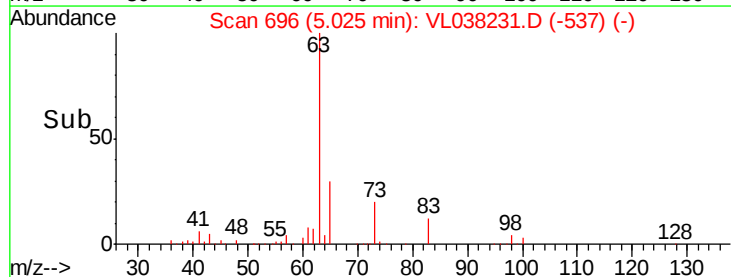
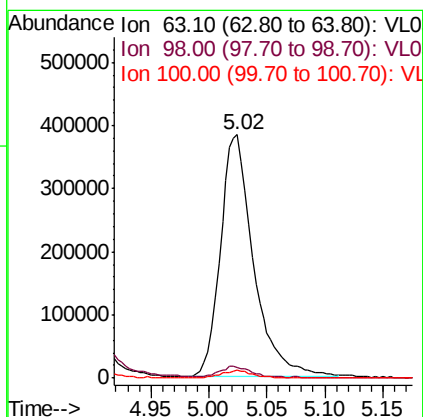
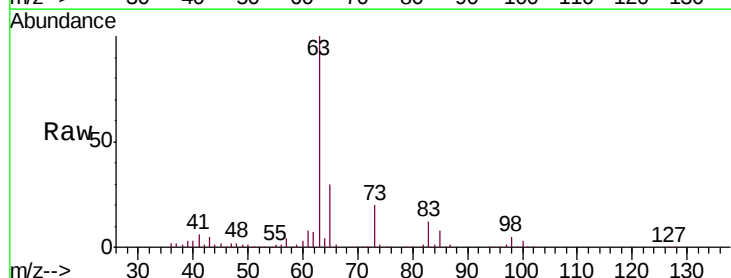
#23
 Vinyl Acetate
 Concen: 9.270 ppbv
 RT: 5.08
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 29 Dec 2021 13:34

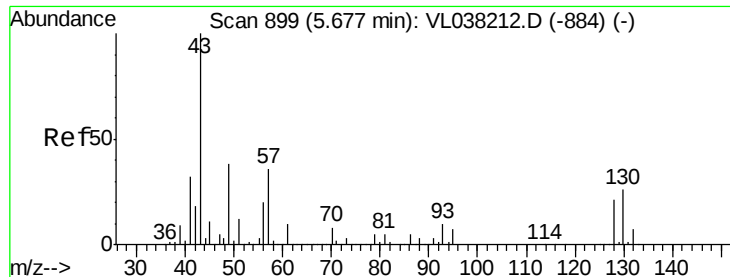
Tot Ion:	43	Resp:	932059
Ion	Ratio	Lower	Upper
43	100		
86	6.8	5.6	8.4
42	9.9	7.0	10.4
44	4.6	3.9	5.9



#24
 1,1-Dichloroethane
 Concen: 8.538 ppbv
 RT: 5.02 min Scan# 696
 Delta R.T.: 0.01 min
 Lab File: VL038231.D
 Acq: 29 Dec 2021 13:34

Tgt Ion:	63	Resp:	767743
Ion	Ratio	Lower	Upper
63	100		
98	4.4	2.2	6.6
100	3.1	1.5	4.4





#25

Ethyl Acetate

Concen: 8.953 ppbv

RT: 5.69 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 29 Dec 2021 13:34

Tot Ion: 43 Resp: 1801172

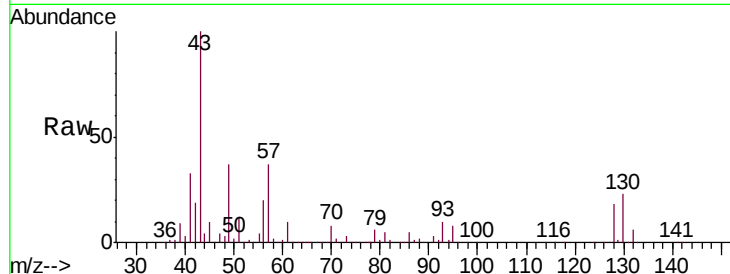
Ion Ratio Lower Upper

43 100

45 9.6 7.9 11.9

61 9.7 8.1 12.1

70 6.7 5.5 8.3

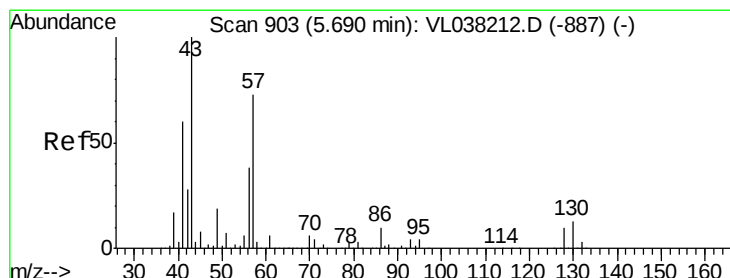
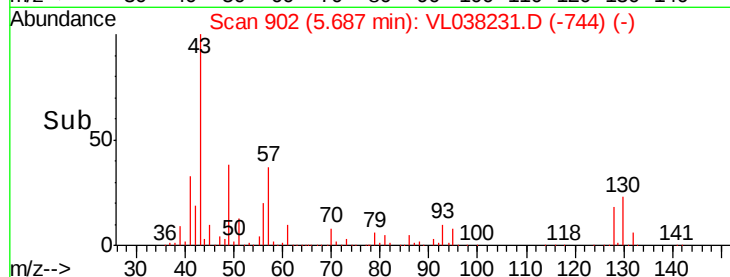
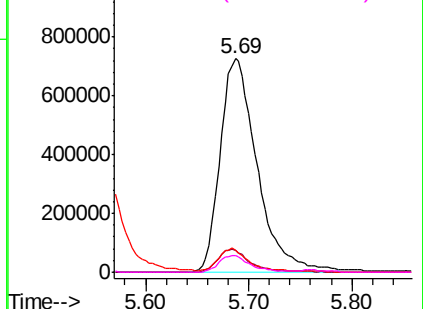


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 8.199 ppbv

RT: 5.70 min Scan# 905

Delta R.T. 0.01 min

Lab File: VL038231.D

Acq: 29 Dec 2021 13:34

Tgt Ion: 57 Resp: 827658

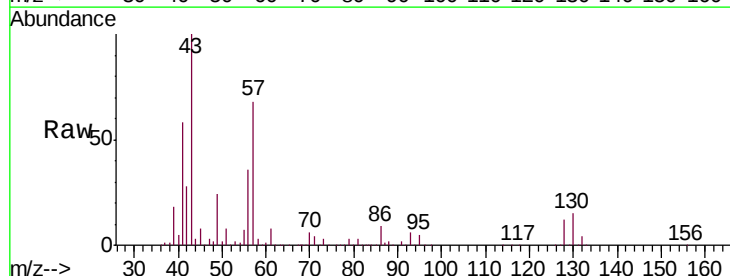
Ion Ratio Lower Upper

57 100

41 90.8 69.0 103.6

43 220.6 171.2 256.8

56 53.5 41.5 62.3

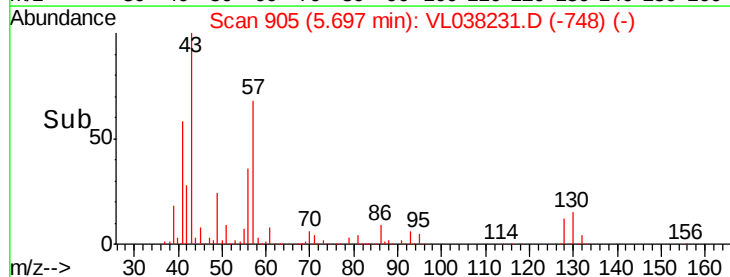
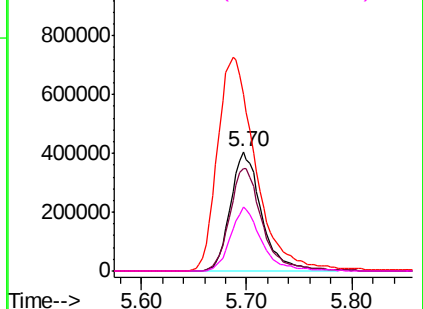


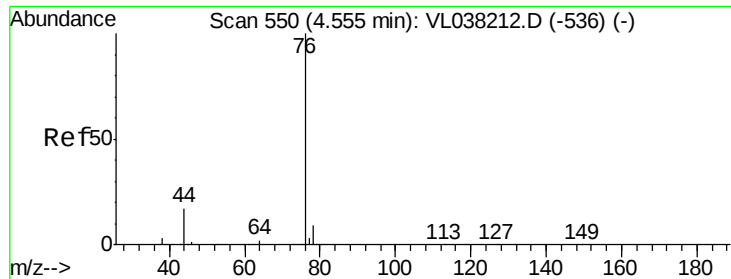
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

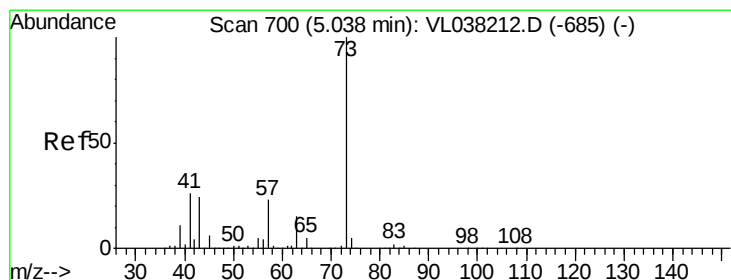
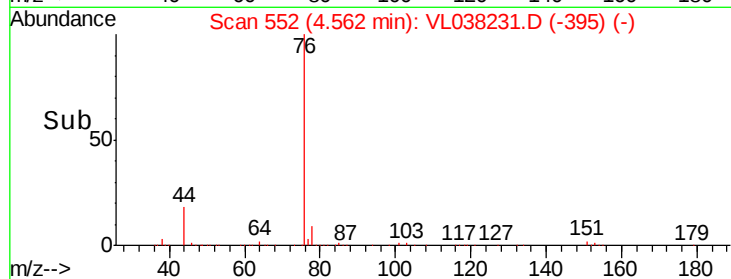
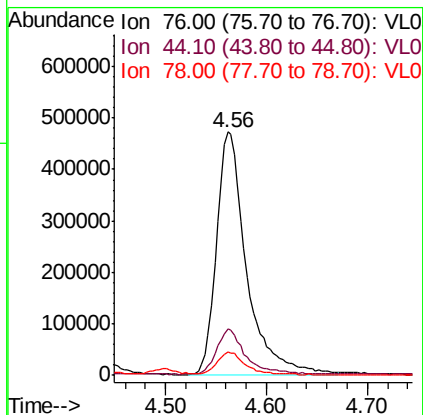
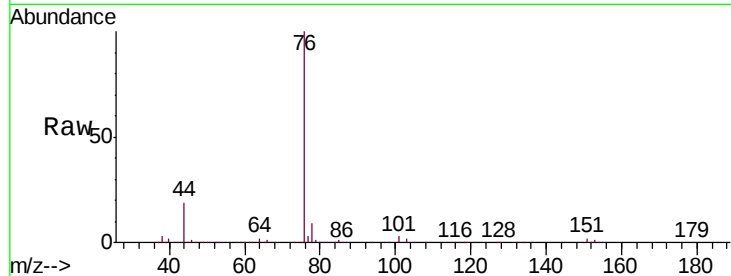
Ion 56.10 (55.80 to 56.80): VL0





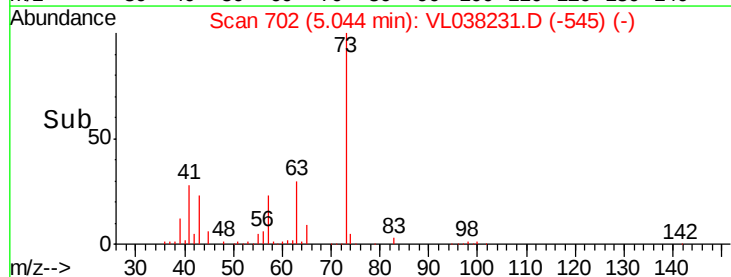
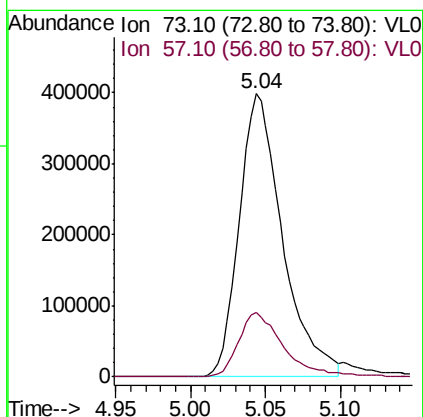
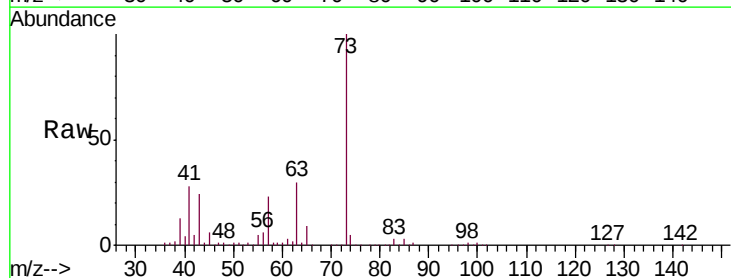
#27
Carbon Disulfide
Concen: 11.027 ppbv
RT: 4.56
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 29 Dec 2021 13:34

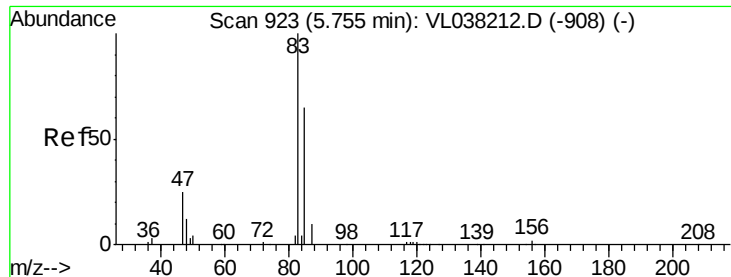
Tot Ion	76	Resp	979830
Ion	Ratio	Lower	Upper
76	100		
44	17.8	14.2	21.4
78	9.8	7.7	11.5



#28
Methyl tert-Butyl Ether
Concen: 7.916 ppbv
RT: 5.04 min Scan# 702
Delta R.T.: 0.01 min
Lab File: VL038231.D
Acq: 29 Dec 2021 13:34

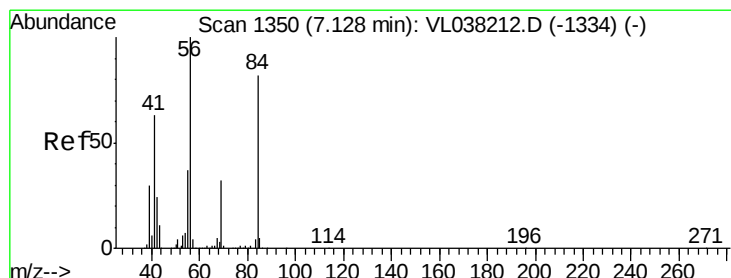
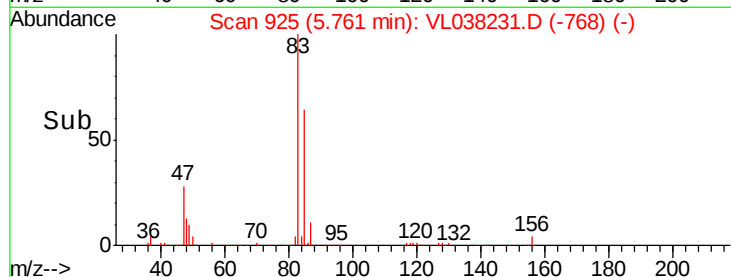
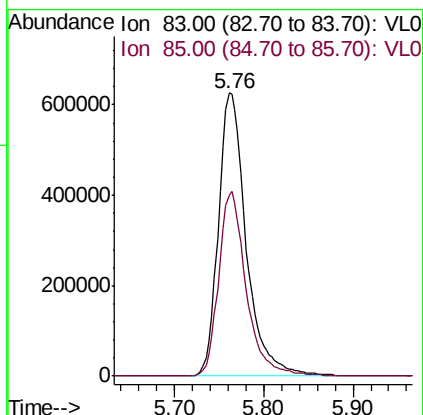
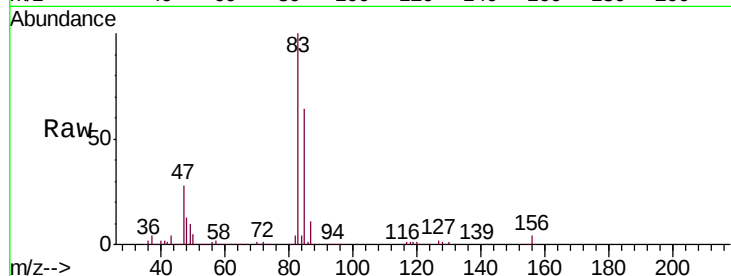
Tgt Ion	73	Resp	802969
Ion	Ratio	Lower	Upper
73	100		
57	24.1	18.8	28.2





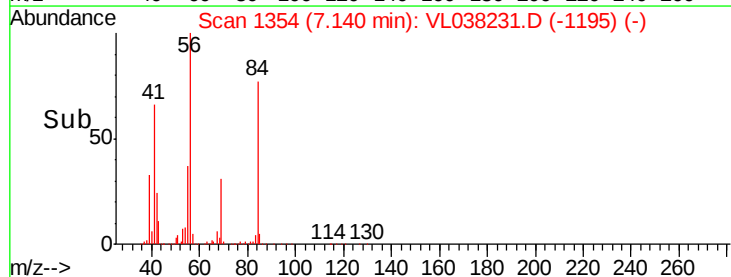
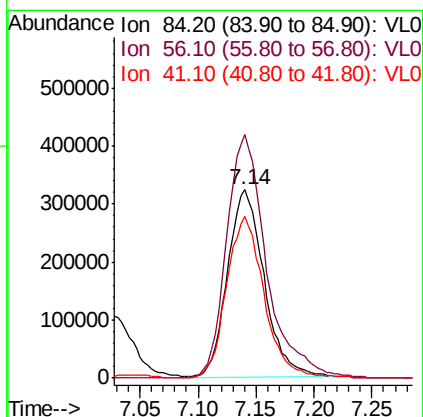
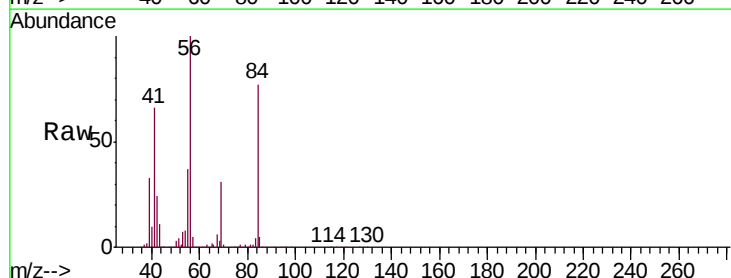
#29
Chloroform
Concen: 9.009 ppbv
RT: 5.76
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 29 Dec 2021 13:34

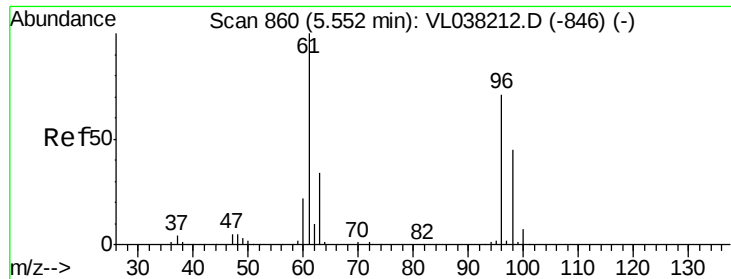
Tot Ion: 83 Resp: 1349400
Ion Ratio Lower Upper
83 100
85 63.7 52.2 78.4



#30
Cyclohexane
Concen: 7.885 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. 0.01 min
Lab File: VL038231.D
Acq: 29 Dec 2021 13:34

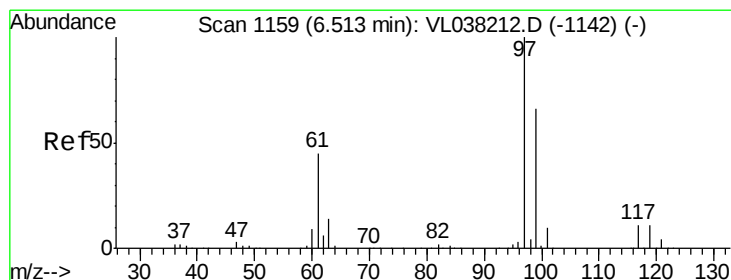
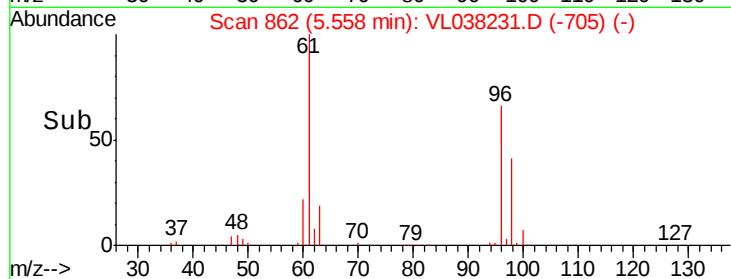
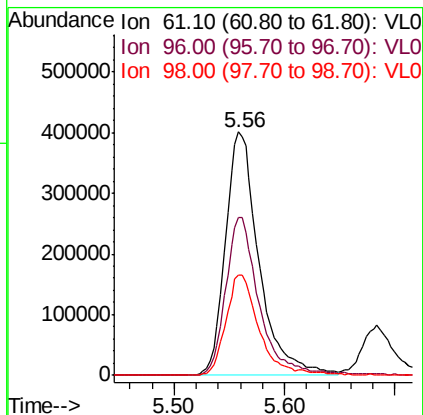
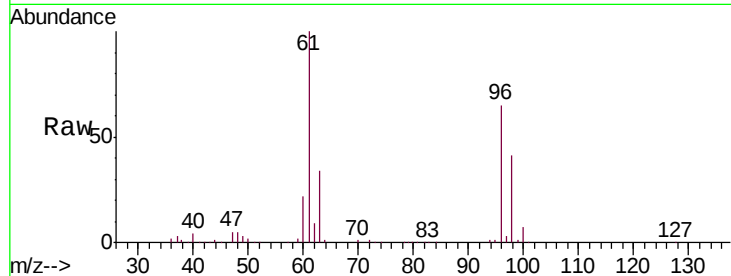
Tgt Ion: 84 Resp: 704964
Ion Ratio Lower Upper
84 100
56 142.6 105.2 157.8
41 88.3 63.2 94.8





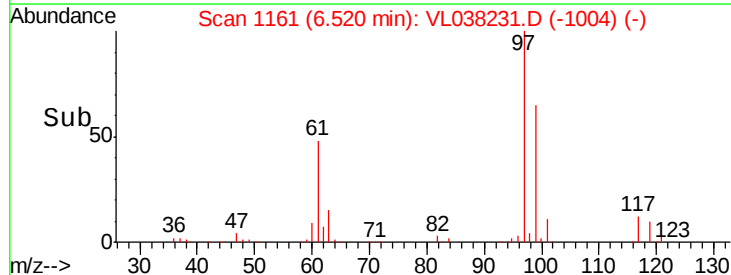
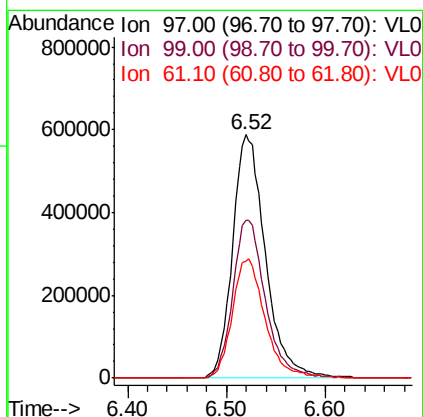
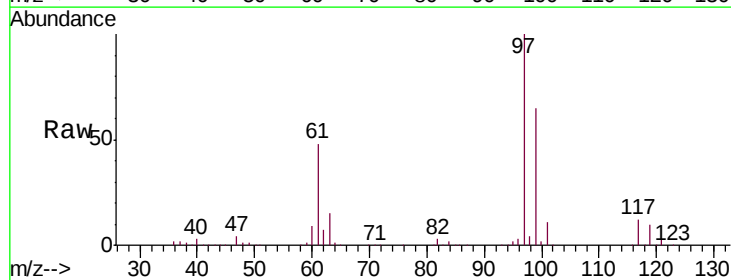
#31
 cis-1,2-Dichloroethene
 Concen: 10.686 ppbv
 RT: 5.56 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 29 Dec 2021 13:34

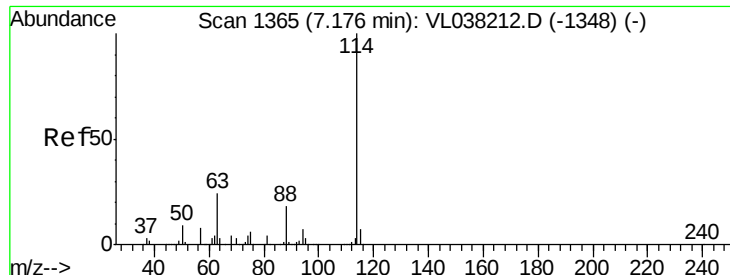
Tot Ion: 61 Resp: 845910
 Ion Ratio Lower Upper
 61 100
 96 64.8 56.6 84.8
 98 41.4 36.3 54.5



#32
 1,1,1-Trichloroethane
 Concen: 9.146 ppbv
 RT: 6.52 min Scan# 1161
 Delta R.T.: 0.01 min
 Lab File: VL038231.D
 Acq: 29 Dec 2021 13:34

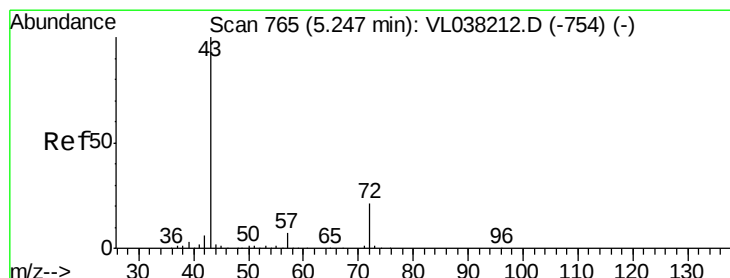
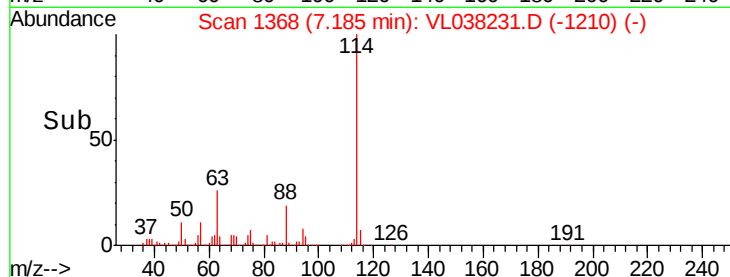
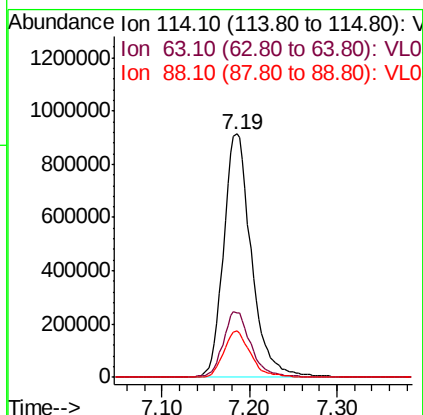
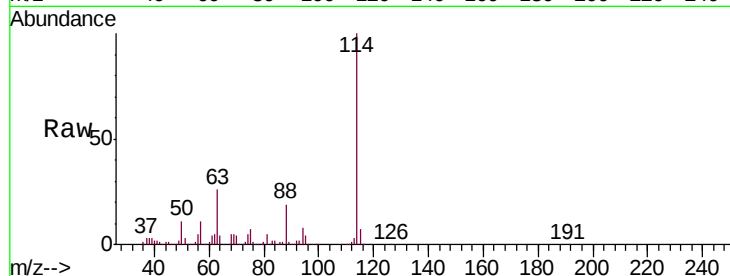
Tgt Ion: 97 Resp: 1359241
 Ion Ratio Lower Upper
 97 100
 99 64.9 52.4 78.6
 61 49.3 37.2 55.8





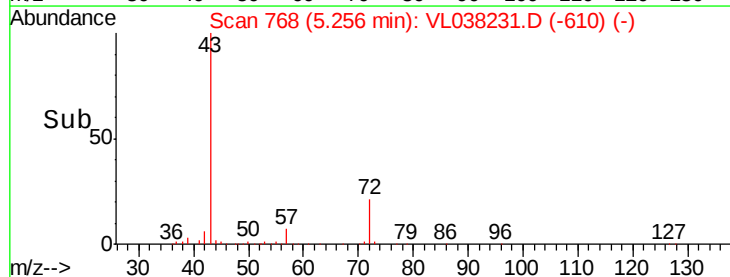
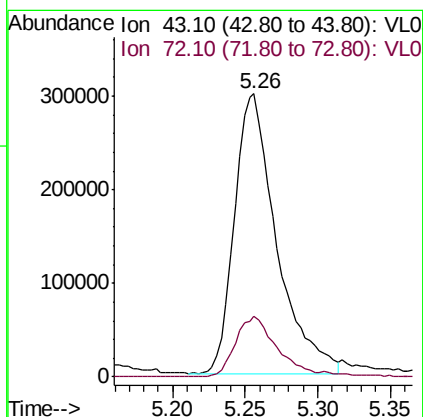
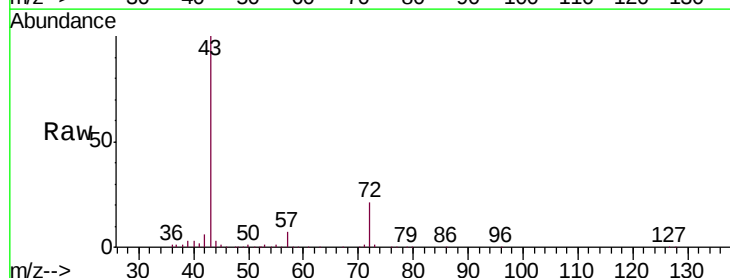
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 29 Dec 2021 13:34

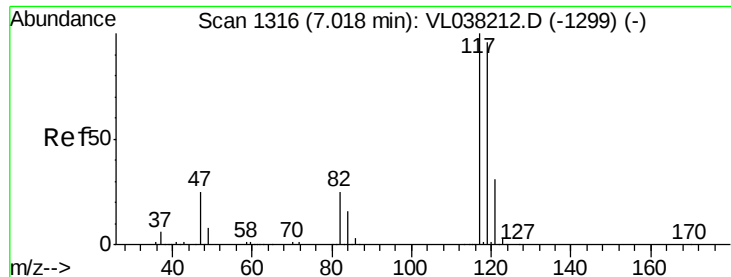
Tot Ion: 114 Resp: 2014743
 Ion Ratio Lower Upper
 114 100
 63 27.1 19.7 29.5
 88 18.6 14.3 21.5



#34
 2-Butanone
 Concen: 9.941 ppbv
 RT: 5.26 min Scan# 768
 Delta R.T. 0.01 min
 Lab File: VL038231.D
 Acq: 29 Dec 2021 13:34

Tgt Ion: 43 Resp: 601984
 Ion Ratio Lower Upper
 43 100
 72 23.1 18.3 27.5





#35

Carbon Tetrachloride

Concen: 11.373 ppbv

RT: 7.03 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 29 Dec 2021 13:34

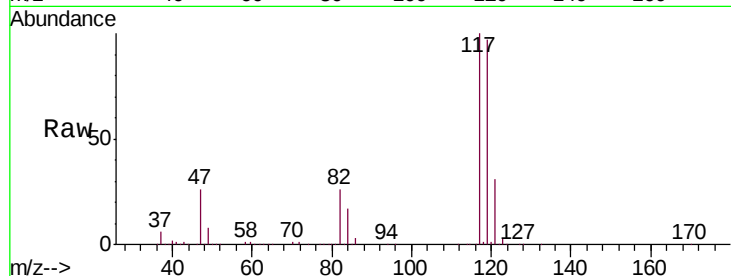
Tot Ion:117 Resp: 1414430

Ion Ratio Lower Upper

117 100

119 97.1 76.7 115.1

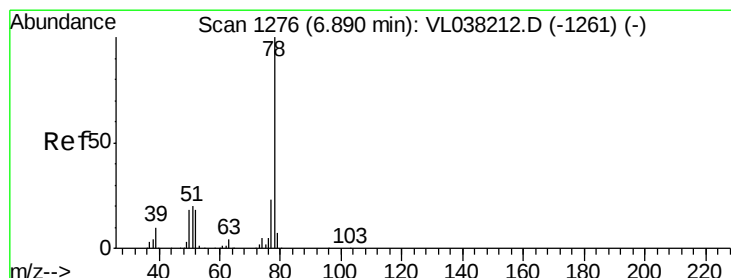
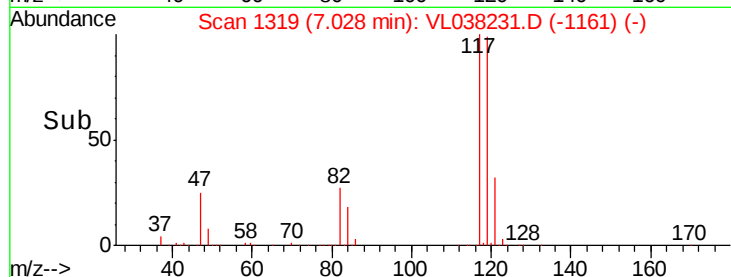
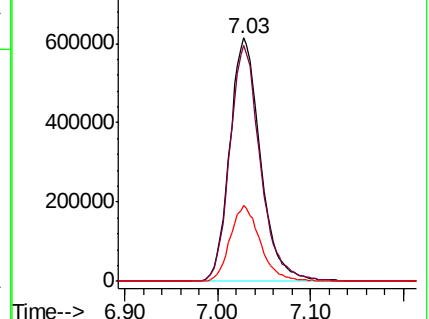
121 31.3 25.0 37.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.309 ppbv

RT: 6.90 min Scan# 1280

Delta R.T. 0.01 min

Lab File: VL038231.D

Acq: 29 Dec 2021 13:34

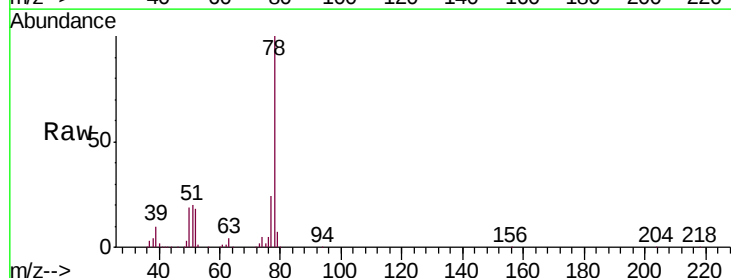
Tgt Ion: 78 Resp: 1749513

Ion Ratio Lower Upper

78 100

77 24.1 18.2 27.4

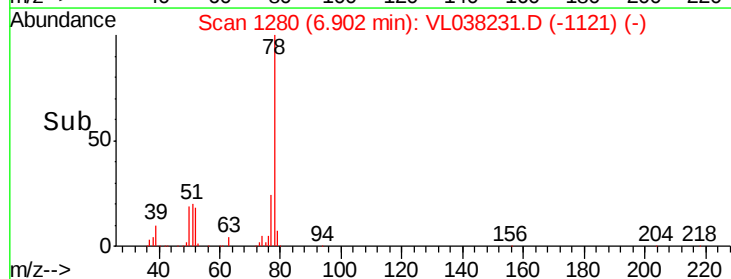
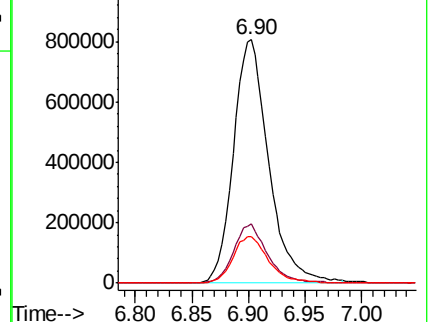
50 19.0 14.3 21.5

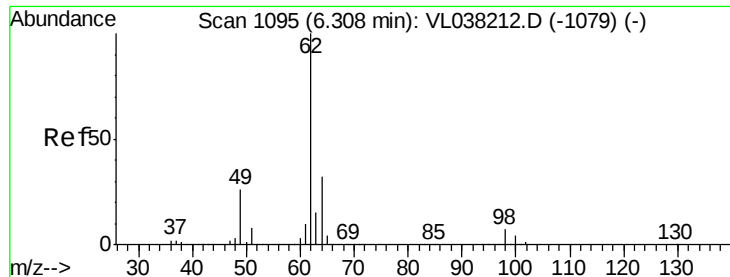


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

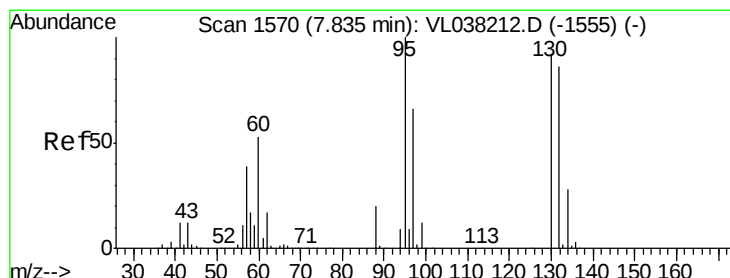
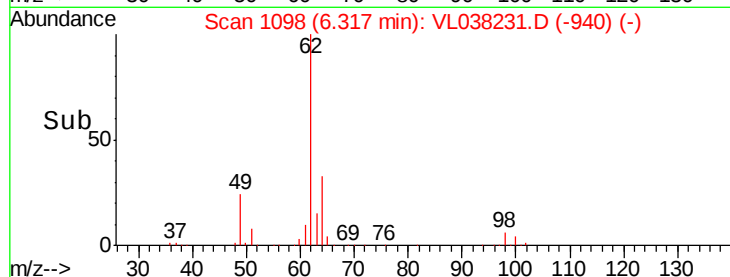
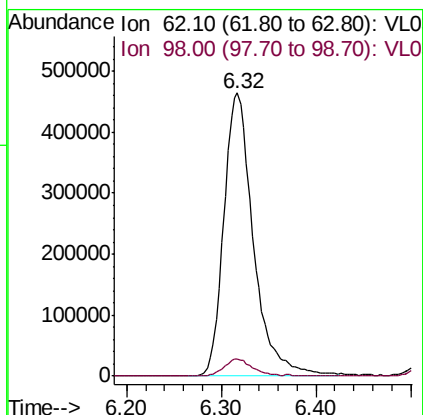
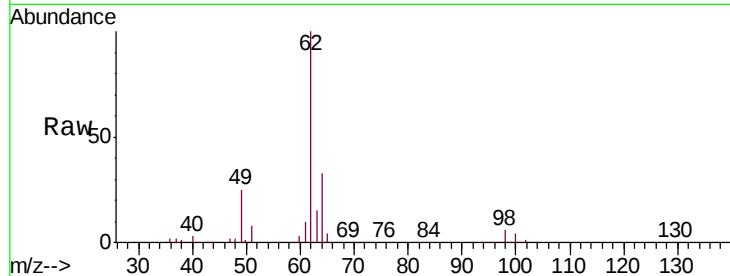
Ion 50.10 (49.80 to 50.80): VL0





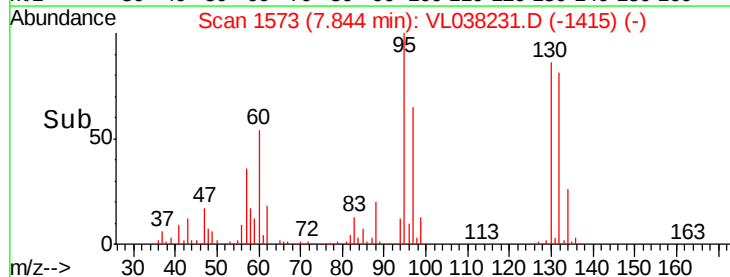
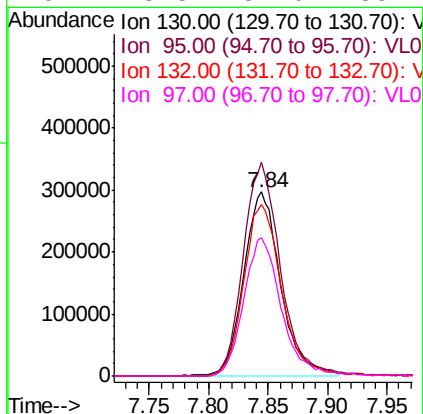
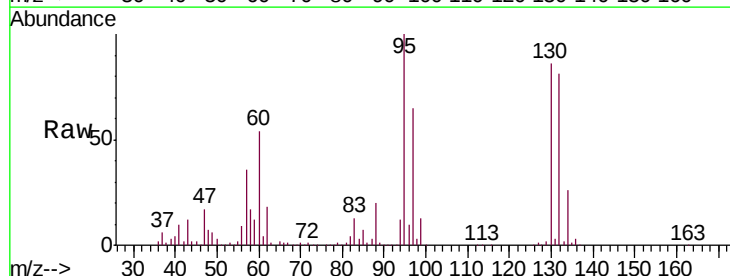
#37
 1,2-Dichloroethane
 Concen: 10.725 ppbv
 RT: 6.32
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 29 Dec 2021 13:34

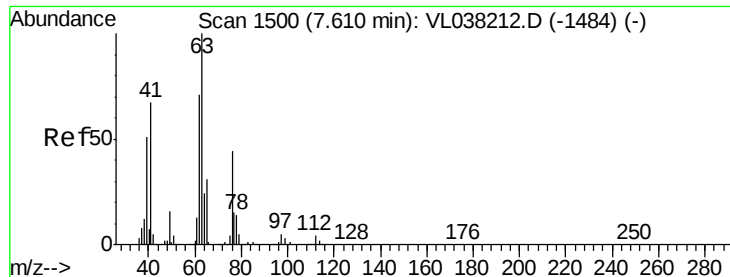
Tot Ion: 62 Resp: 1011372
 Ion Ratio Lower Upper
 62 100
 98 6.0 5.5 8.3



#38
 Trichloroethene
 Concen: 8.857 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T.: 0.01 min
 Lab File: VL038231.D
 Acq: 29 Dec 2021 13:34

Tgt Ion: 130 Resp: 633446
 Ion Ratio Lower Upper
 130 100
 95 116.3 87.0 130.4
 132 93.6 75.1 112.7
 97 75.5 57.0 85.4





#39

1,2-Dichloropropane

Concen: 9.494 ppbv

RT: 7.62 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 29 Dec 2021 13:34

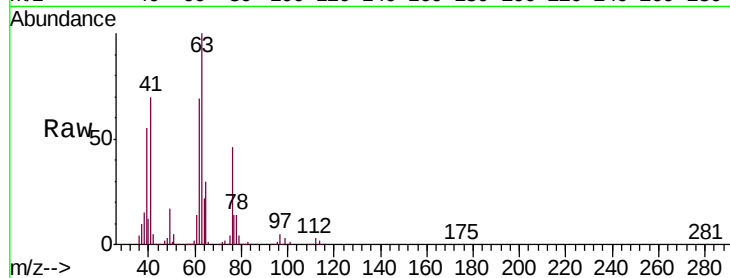
Tot Ion: 63 Resp: 686707

Ion Ratio Lower Upper

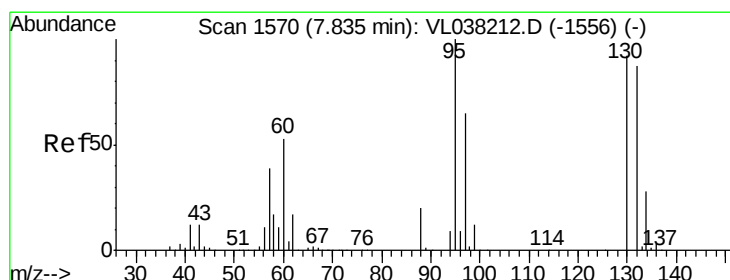
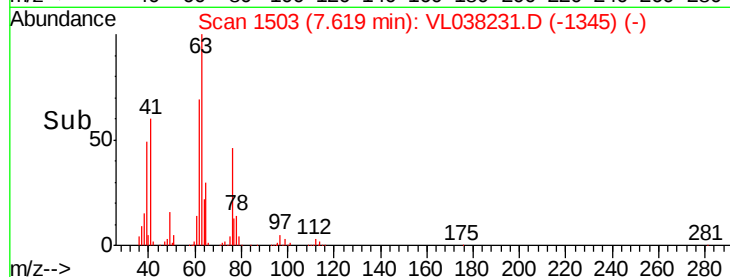
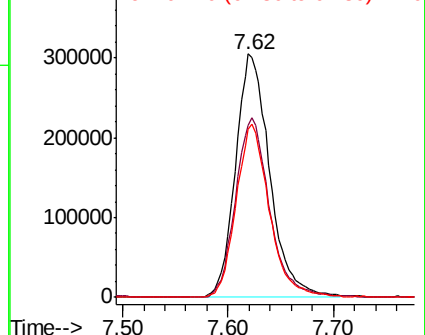
63 100

41 70.4 53.4 80.2

62 69.0 56.5 84.7



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: 8.153 ppbv

RT: 7.84 min Scan# 1572

Delta R.T. 0.01 min

Lab File: VL038231.D

Acq: 29 Dec 2021 13:34

Tgt Ion: 88 Resp: 171545

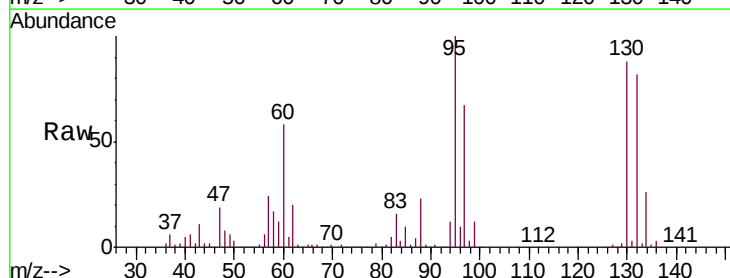
Ion Ratio Lower Upper

88 100

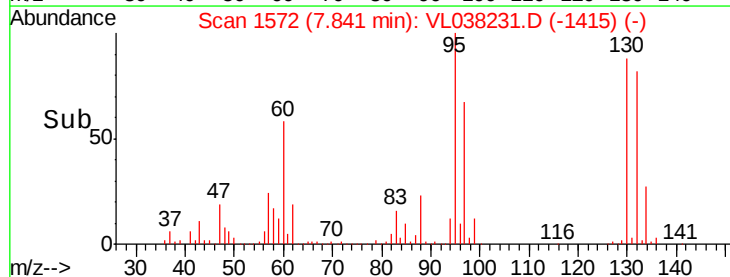
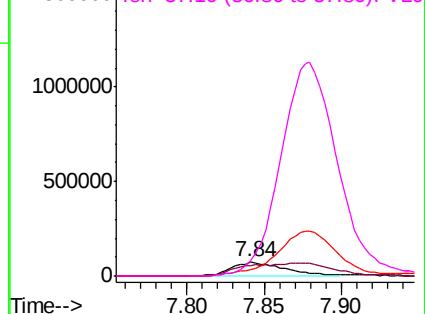
58 160.5 127.8 191.8

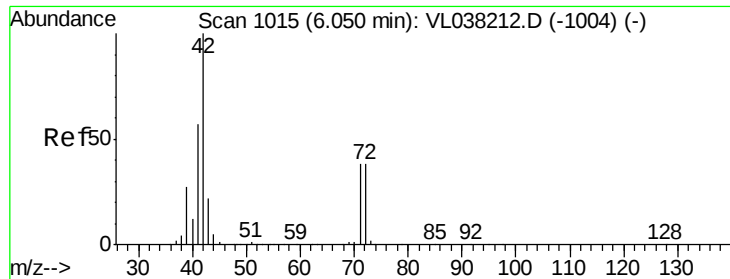
43 388.5 301.0 451.6

57 1706.7 1395.5 2093.3



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: 10.033 ppbv

RT: 6.06 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 29 Dec 2021 13:34

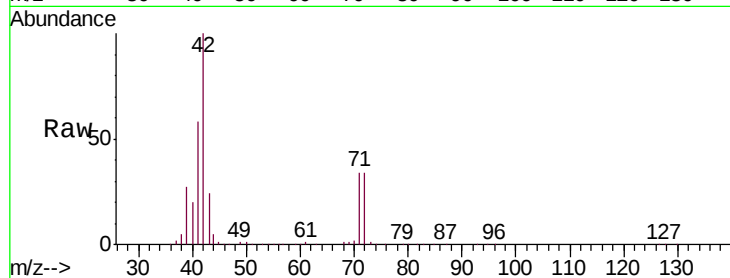
Tot Ion: 42 Resp: 445032

Ion Ratio Lower Upper

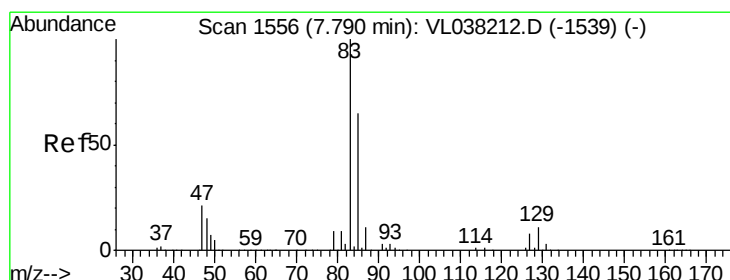
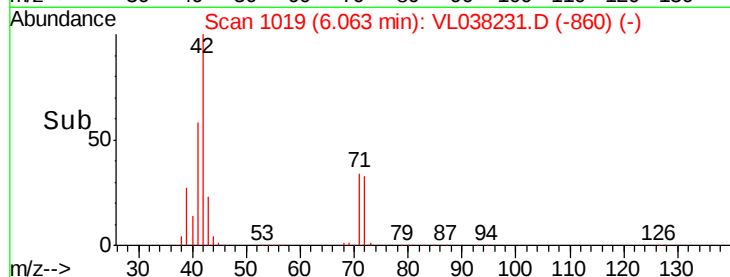
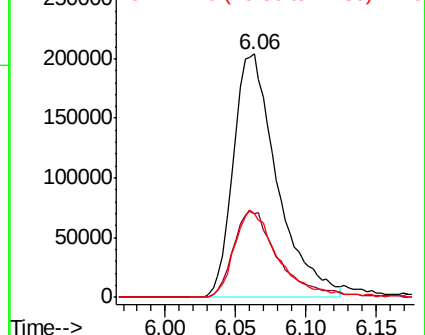
42 100

72 37.2 31.4 47.0

71 36.4 30.0 45.0



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: 11.226 ppbv

RT: 7.80 min Scan# 1559

Delta R.T. 0.01 min

Lab File: VL038231.D

Acq: 29 Dec 2021 13:34

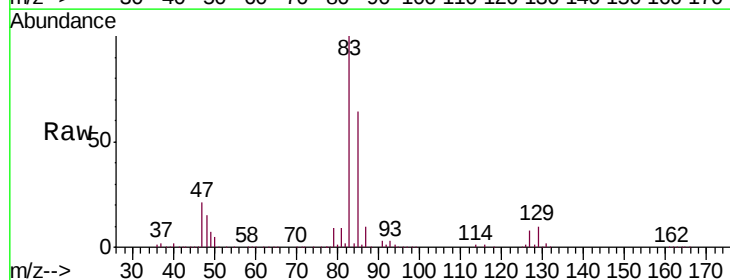
Tgt Ion: 83 Resp: 1506182

Ion Ratio Lower Upper

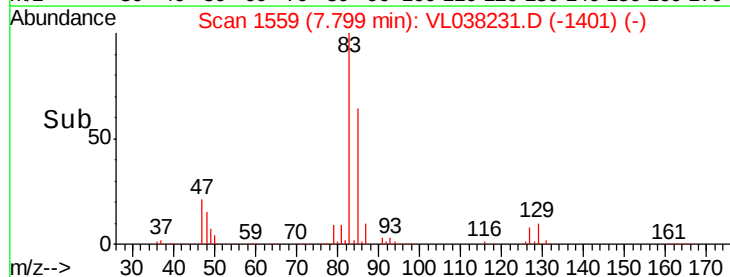
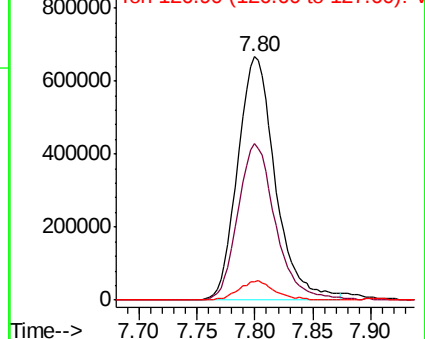
83 100

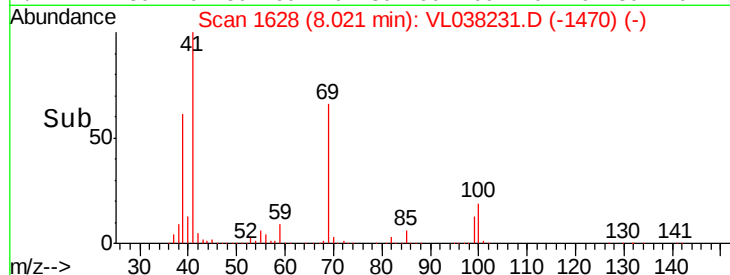
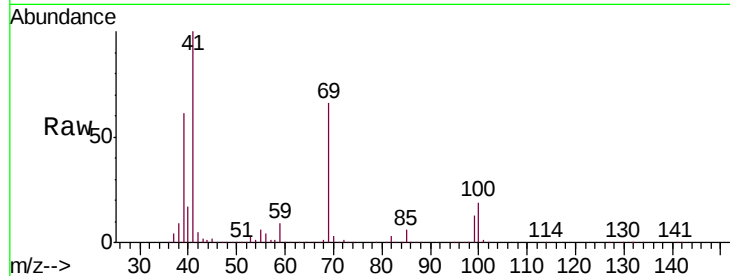
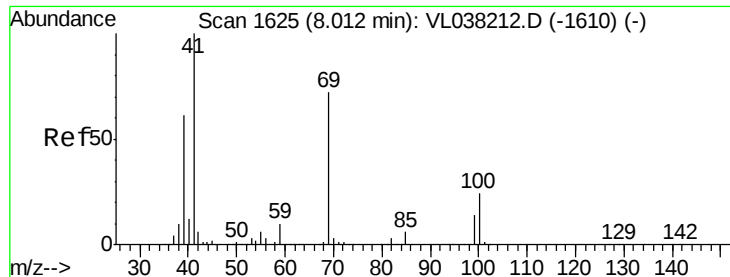
85 64.4 52.0 78.0

127 7.6 6.1 9.1



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





#43

Methyl Methacrylate

Concen: 10.200 ppbv

RT: 8.02

Instrument: MSVOA_L

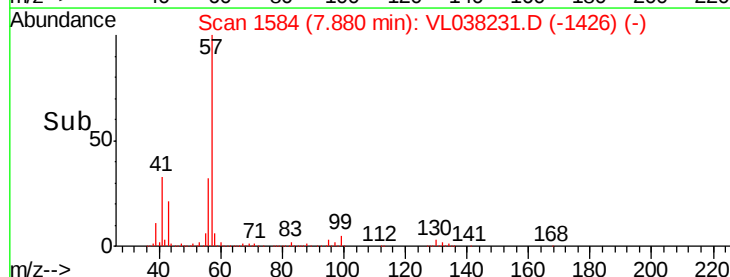
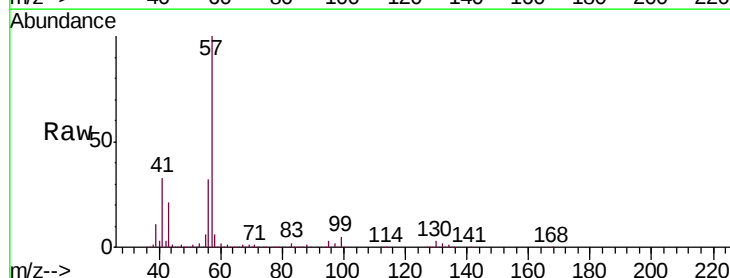
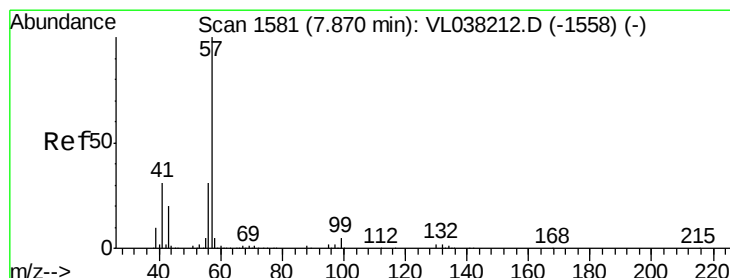
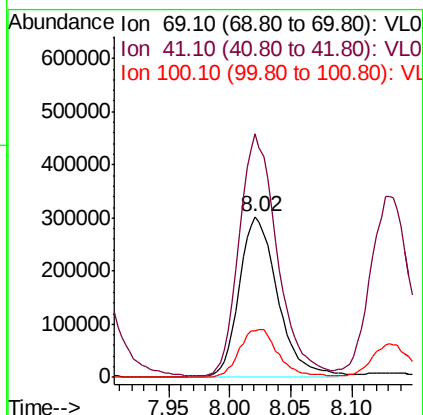
Delta R.T.

Lab File: ClientSampleId:

Acq: 29 Dec 2021 13:34

Tot Ion: 69 Resp: 659656

Ion	Ratio	Lower	Upper
69	100		
41	150.1	116.0	174.0
100	29.9	26.6	39.8



#44

2,2,4-Trimethylpentane

Concen: 9.171 ppbv

RT: 7.88 min Scan# 1584

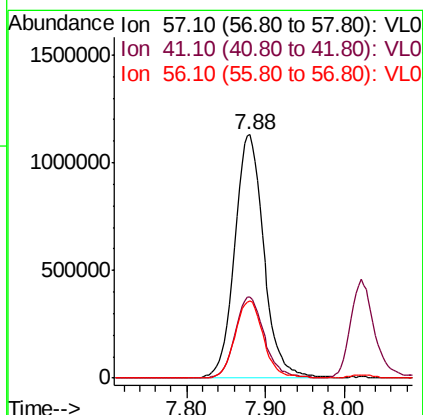
Delta R.T. 0.01 min

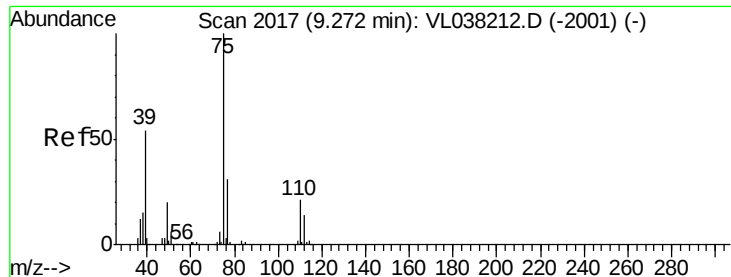
Lab File: VL038231.D

Acq: 29 Dec 2021 13:34

Tgt Ion: 57 Resp: 2927682

Ion	Ratio	Lower	Upper
57	100		
41	33.3	24.9	37.3
56	31.1	24.8	37.2





#45

t-1,3-Dichloropropene

Concen: 12.809 ppbv

RT: 9.28 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

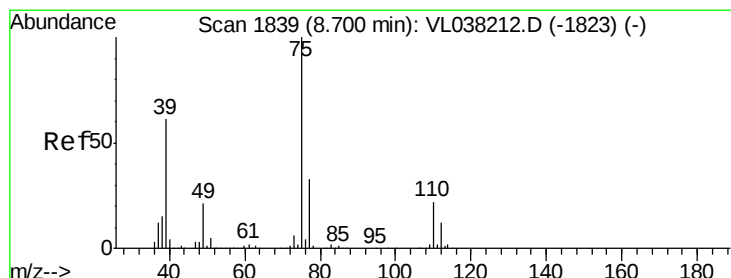
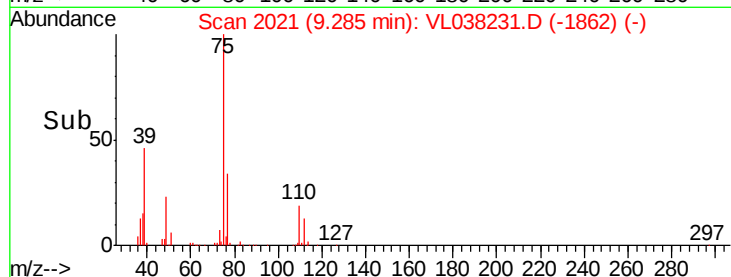
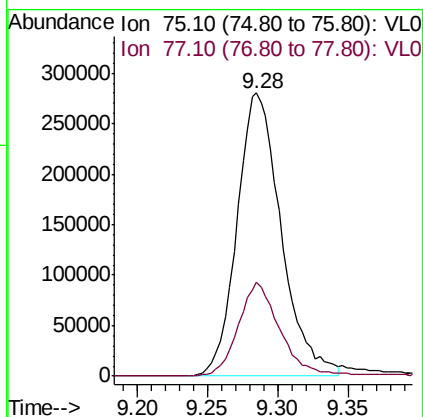
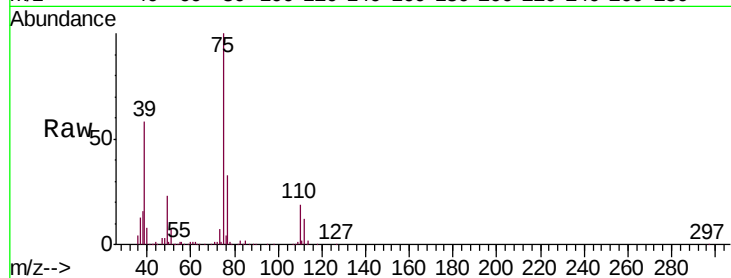
Acq: 29 Dec 2021 13:34

Tot Ion: 75 Resp: 613077

Ion Ratio Lower Upper

75 100

77 33.2 24.7 37.1



#46

cis-1,3-Dichloropropene

Concen: 11.577 ppbv

RT: 8.71 min Scan# 1842

Delta R.T. 0.01 min

Lab File: VL038231.D

Acq: 29 Dec 2021 13:34

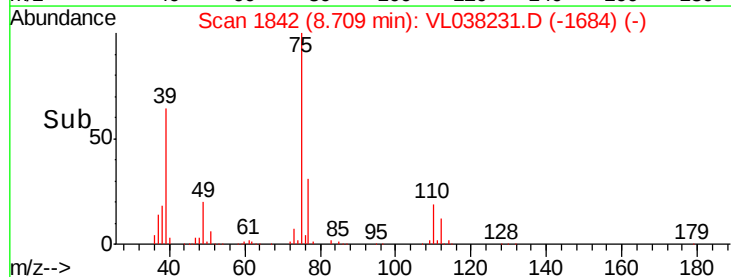
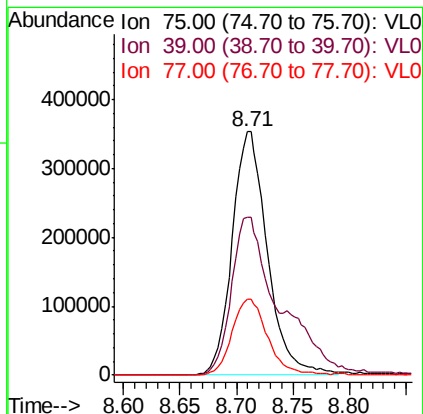
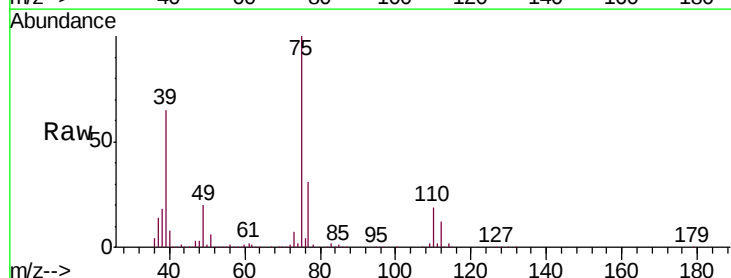
Tgt Ion: 75 Resp: 767026

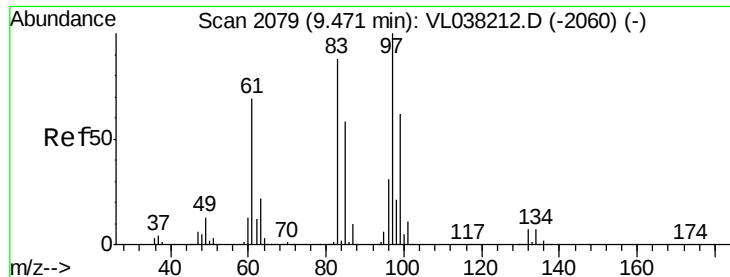
Ion Ratio Lower Upper

75 100

39 64.9 48.9 73.3

77 31.1 26.2 39.2





#47

1,1,2-Trichloroethane

Concen: 9.074 ppbv

RT: 9.48 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 29 Dec 2021 13:34

Tot Ion: 97 Resp: 681150

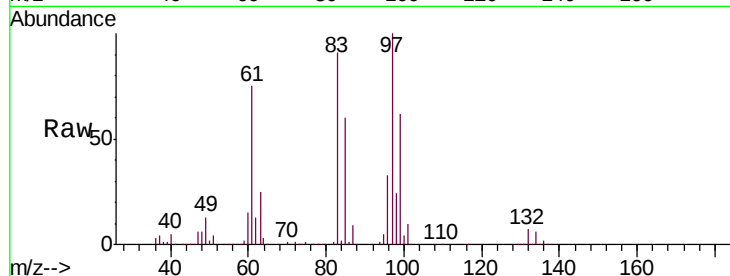
Ion Ratio Lower Upper

97 100

83 91.0 70.2 105.2

85 59.6 46.1 69.1

99 62.1 49.8 74.6

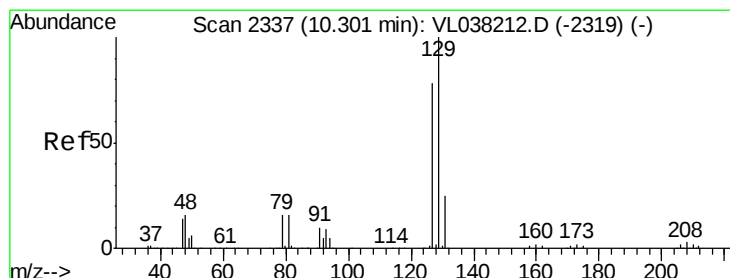
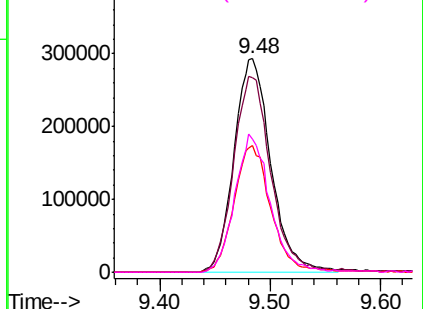
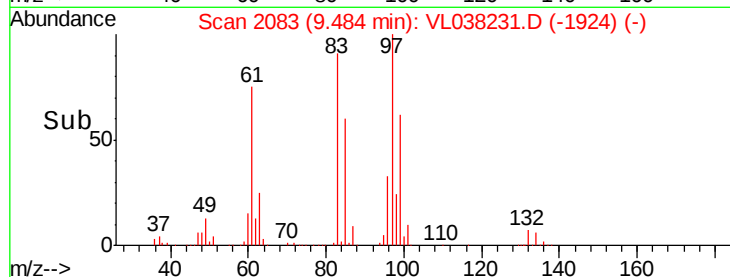


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 11.224 ppbv

RT: 10.31 min Scan# 2340

Delta R.T. 0.01 min

Lab File: VL038231.D

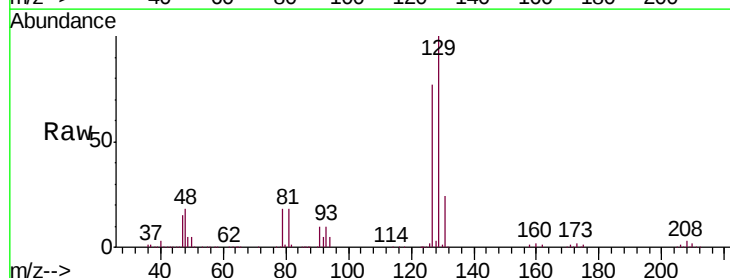
Acq: 29 Dec 2021 13:34

Tgt Ion: 129 Resp: 1184817

Ion Ratio Lower Upper

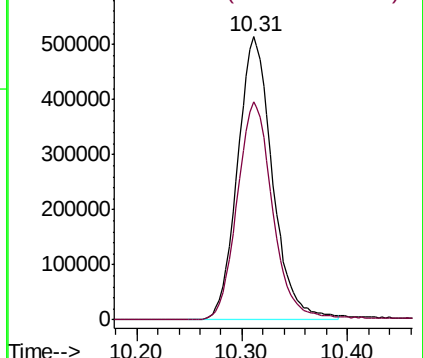
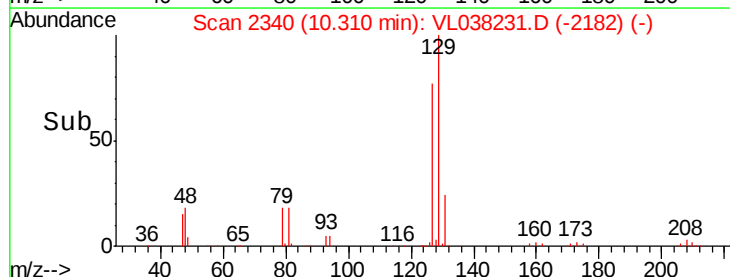
129 100

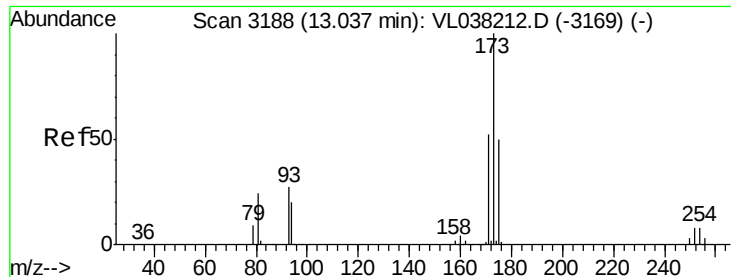
127 79.6 40.2 120.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.411 ppbv

RT: 13.05

Delta R.T. MSVOA_L

Lab File:

Acq: 29 Dec 2021 13:34

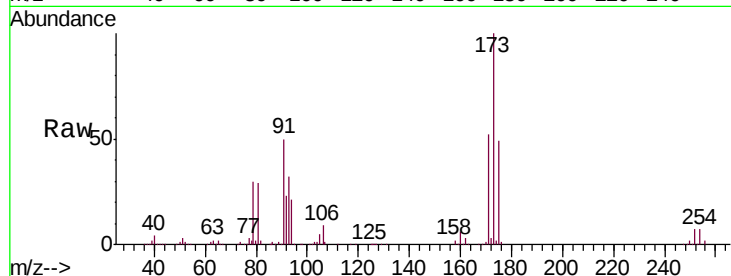
Tot Ion:173 Resp: 855836

Ion Ratio Lower Upper

173 100

175 52.4 40.9 61.3

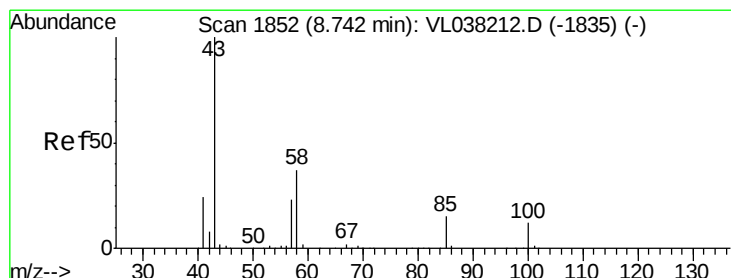
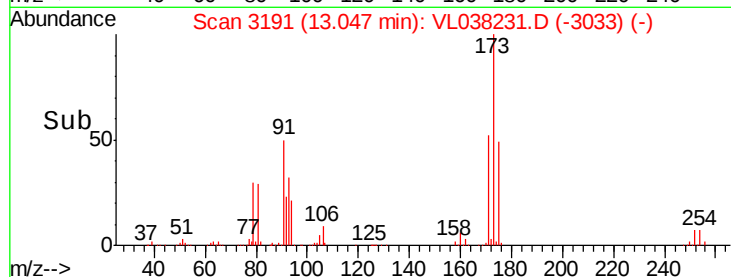
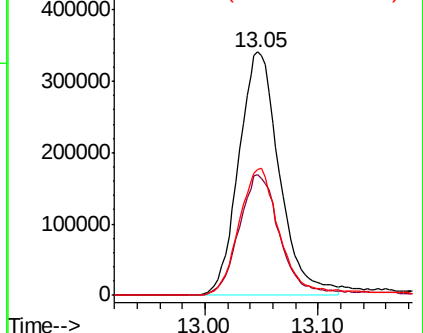
171 55.2 43.4 65.2



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: 10.978 ppbv

RT: 8.75 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VL038231.D

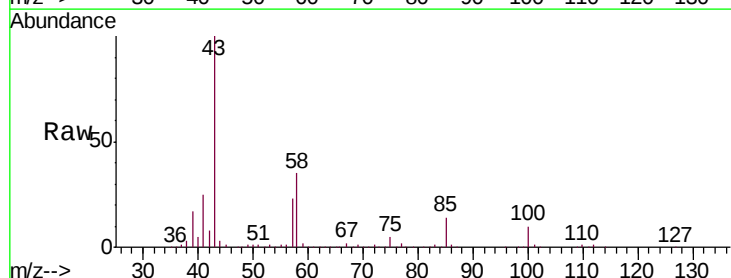
Acq: 29 Dec 2021 13:34

Tgt Ion: 43 Resp: 1208697

Ion Ratio Lower Upper

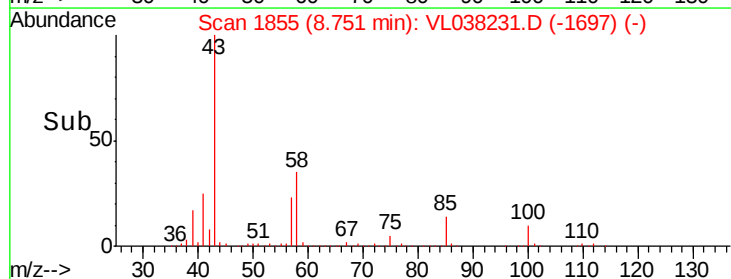
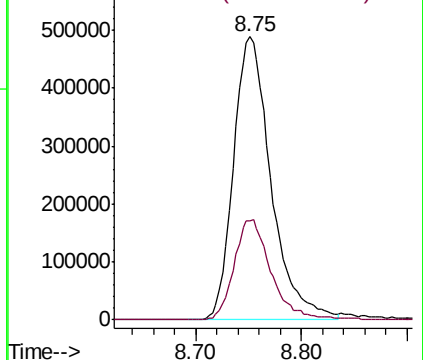
43 100

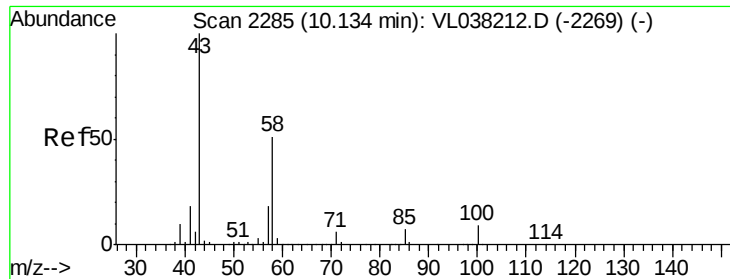
58 35.3 29.4 44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

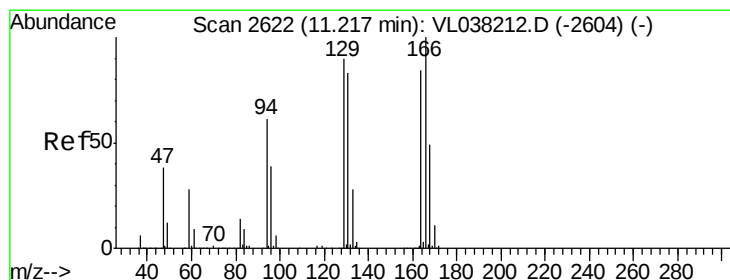
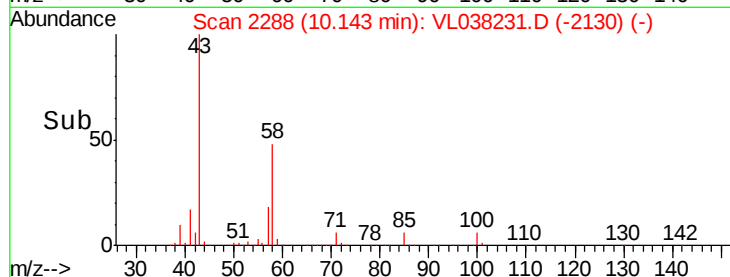
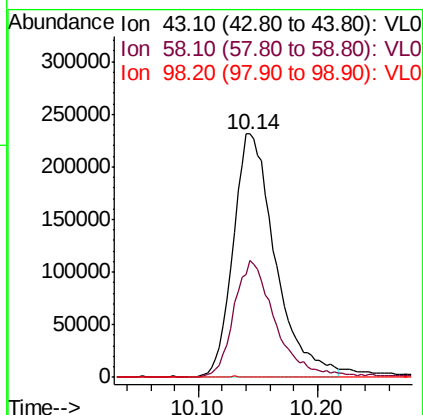
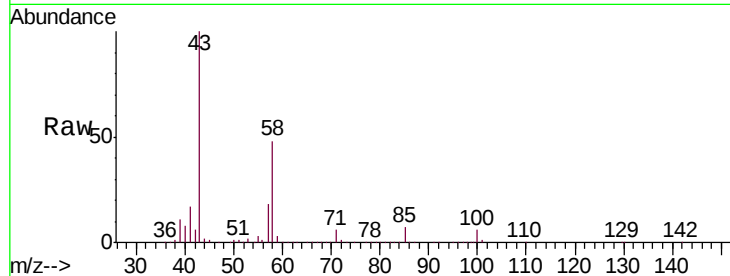
Ion 58.10 (57.80 to 58.80): VL0





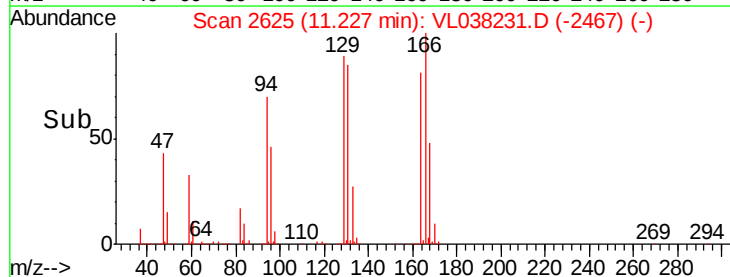
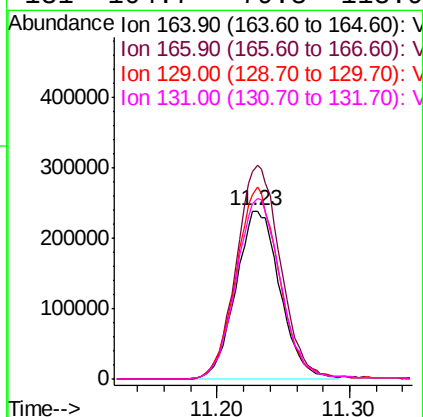
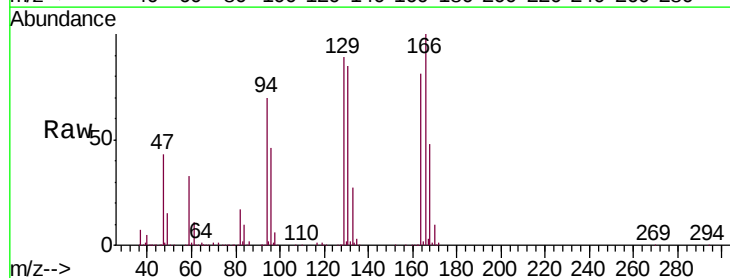
#51
2-Hexanone
Concen: 10.734 ppbv
RT: 10.14 min
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 29 Dec 2021 13:34

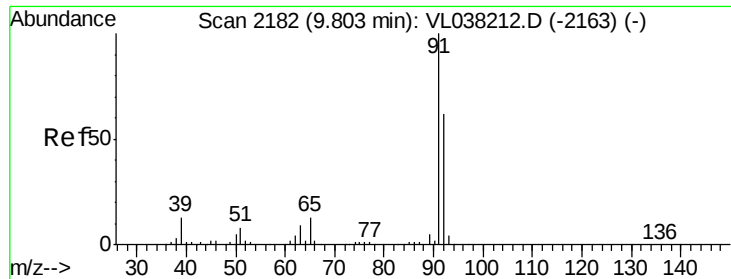
Tot Ion: 43 Resp: 565645
Ion Ratio Lower Upper
43 100
58 48.7 40.8 61.2
98 0.5 0.0 0.0#



#52
Tetrachloroethene
Concen: 7.865 ppbv
RT: 11.23 min Scan# 2625
Delta R.T. 0.01 min
Lab File: VL038231.D
Acq: 29 Dec 2021 13:34

Tgt Ion:164 Resp: 545611
Ion Ratio Lower Upper
164 100
166 123.4 95.6 143.4
129 109.7 85.8 128.8
131 104.7 79.3 118.9





#53

Toluene

Concen: 8.932 ppbv

RT: 9.82

Delta R.T. MSVOA_L

Lab File:

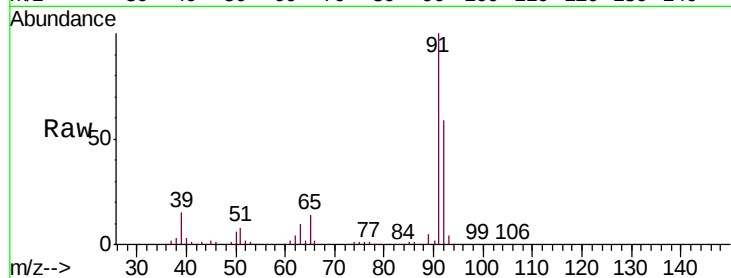
Acq: 29 Dec 2021 13:34

Tot Ion: 91 Resp: 1936753

Ion Ratio Lower Upper

91 100

92 60.2 48.9 73.3



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

800000

600000

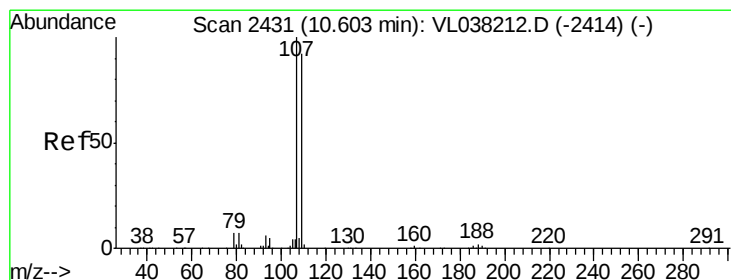
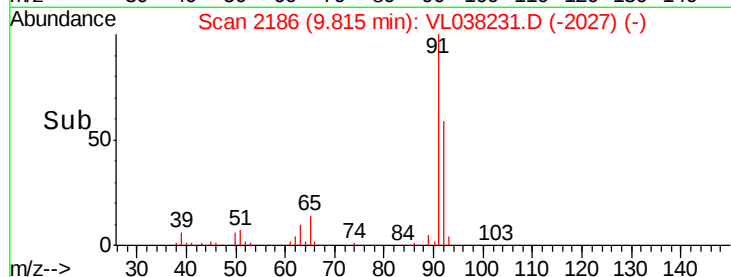
400000

200000

0

9.70 9.80 9.90

Time-->



#54

1,2-Dibromoethane

Concen: 9.285 ppbv

RT: 10.62 min Scan# 2436

Delta R.T. 0.02 min

Lab File: VL038231.D

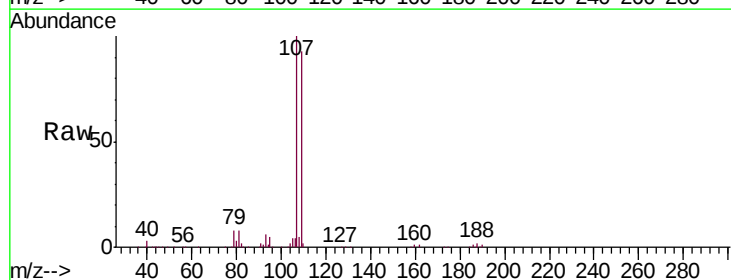
Acq: 29 Dec 2021 13:34

Tgt Ion: 107 Resp: 988789

Ion Ratio Lower Upper

107 100

109 92.7 73.3 109.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

500000

400000

300000

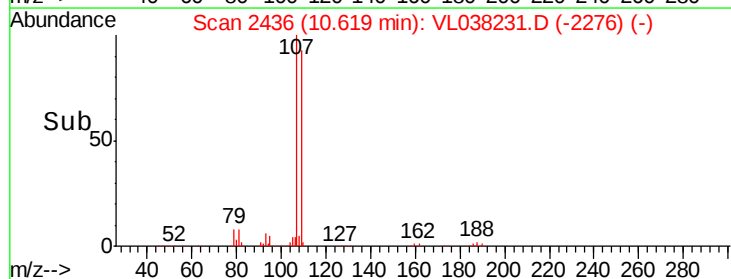
200000

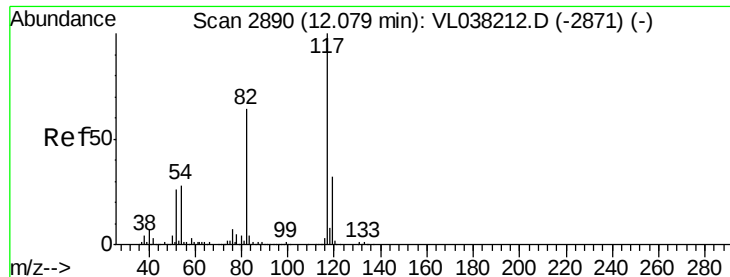
100000

0

10.50 10.60 10.70

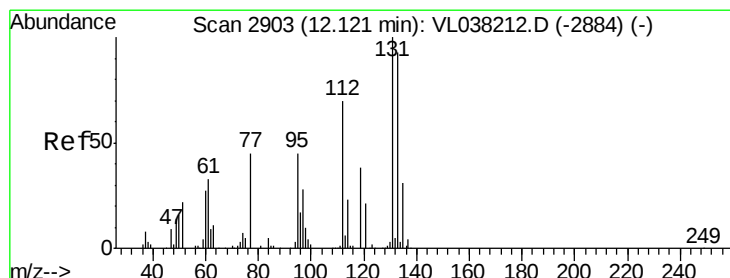
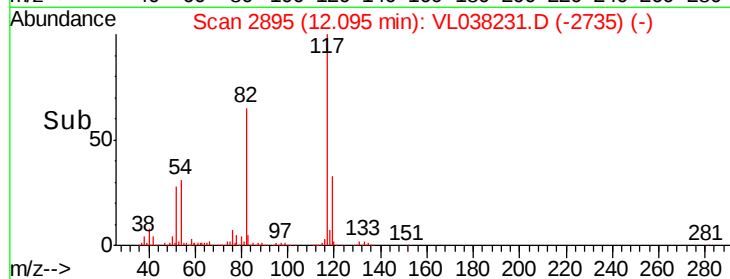
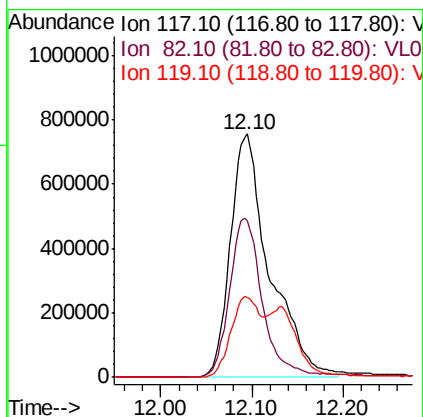
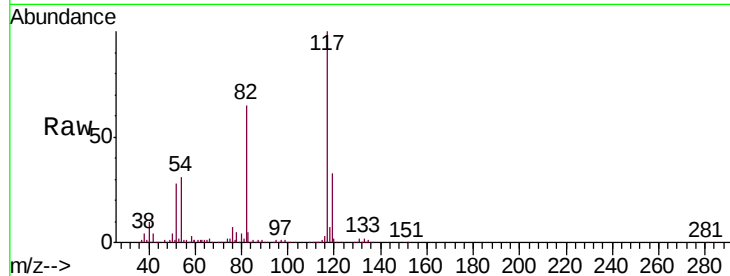
Time-->





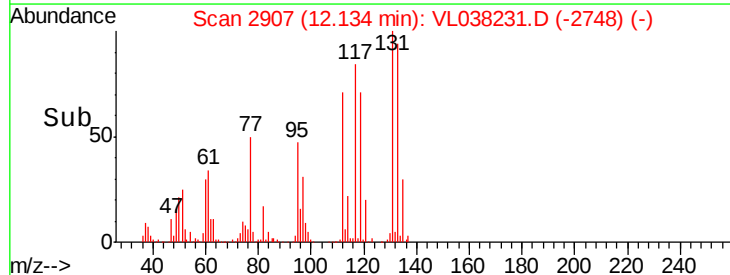
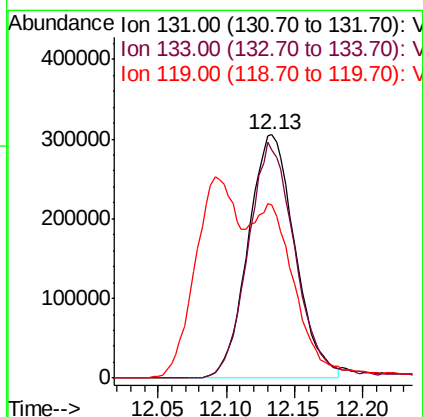
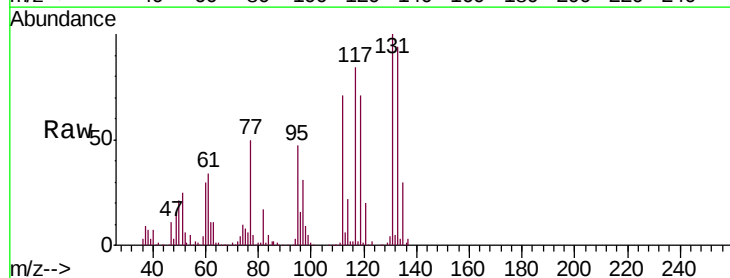
#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.10 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 29 Dec 2021 13:34

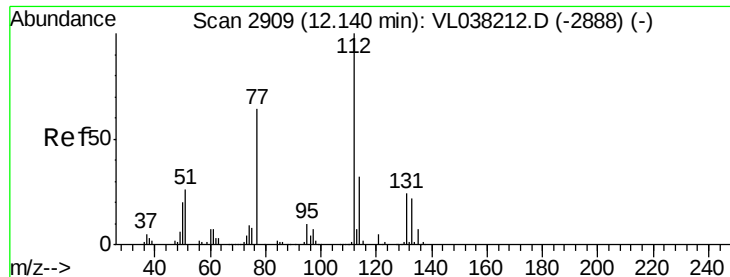
Tot Ion:117 Resp: 2265416
 Ion Ratio Lower Upper
 117 100
 82 57.0 53.3 79.9
 119 48.2 25.5 38.3#



#56
 1,1,1,2-Tetrachloroethane
 Concen: 7.726 ppbv
 RT: 12.13 min Scan# 2907
 Delta R.T.: 0.01 min
 Lab File: VL038231.D
 Acq: 29 Dec 2021 13:34

Tgt Ion:131 Resp: 727982
 Ion Ratio Lower Upper
 131 100
 133 99.5 77.6 116.4
 119 149.3 124.8 187.2





#57

Chlorobenzene

Concen: 6.578 ppbv

RT: 12.15

Delta R.T. MSVOA_L

Lab File:

Acq: 29 Dec 2021 13:34

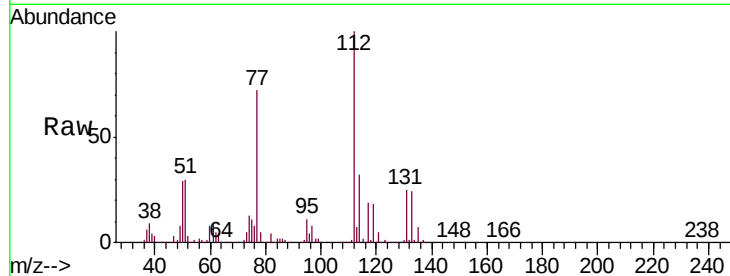
Tot Ion: 112 Resp: 1292461

Ion Ratio Lower Upper

112 100

77 70.6 50.9 76.3

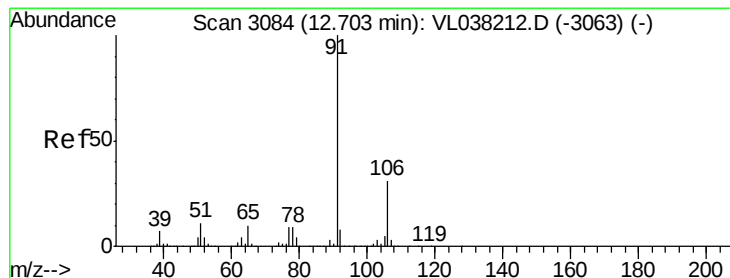
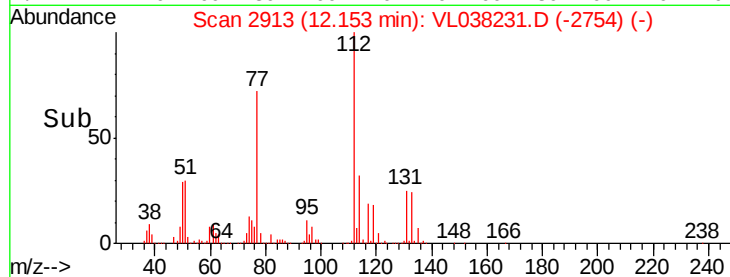
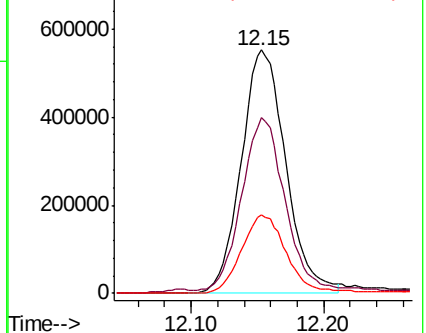
114 32.4 28.4 34.7



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: 7.159 ppbv

RT: 12.72 min Scan# 3088

Delta R.T. 0.01 min

Lab File: VL038231.D

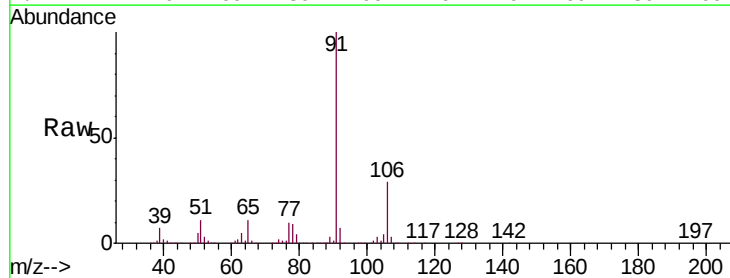
Acq: 29 Dec 2021 13:34

Tgt Ion: 91 Resp: 2516658

Ion Ratio Lower Upper

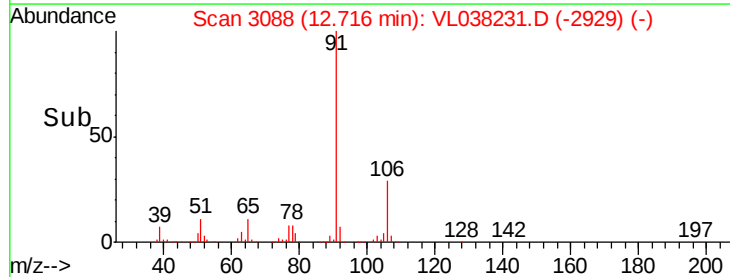
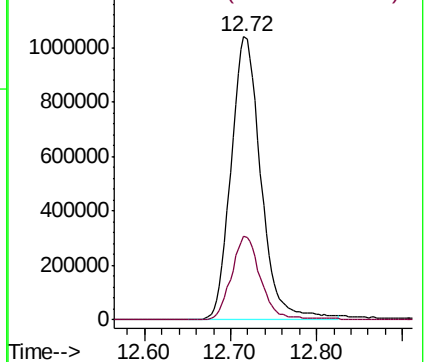
91 100

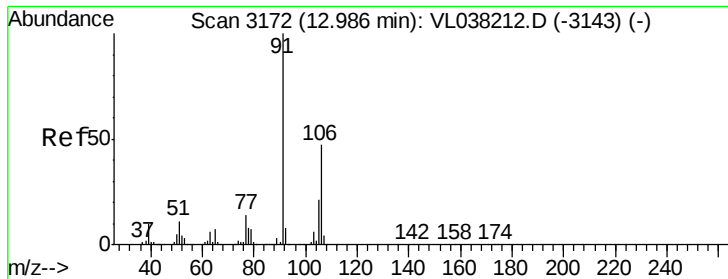
106 29.4 25.0 37.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

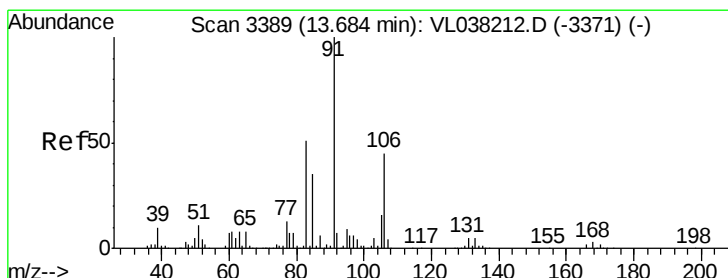
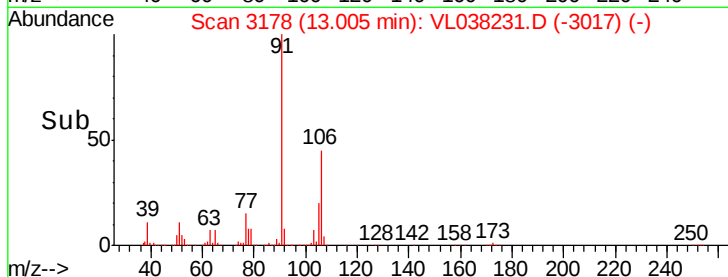
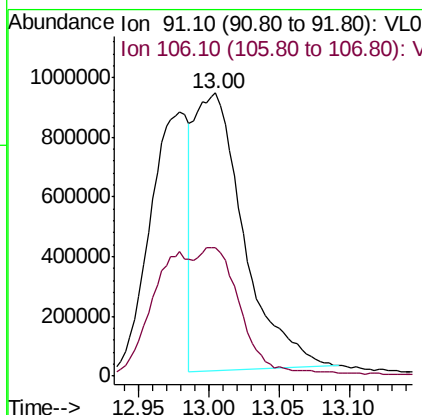
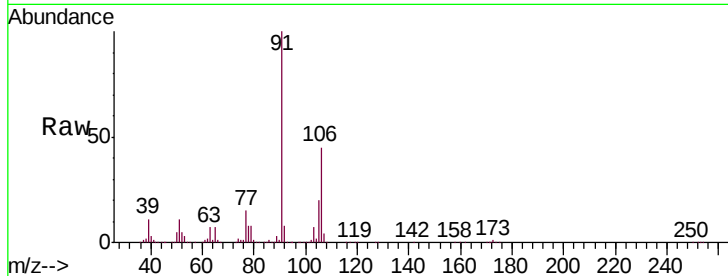
Ion 106.10 (105.80 to 106.80): V





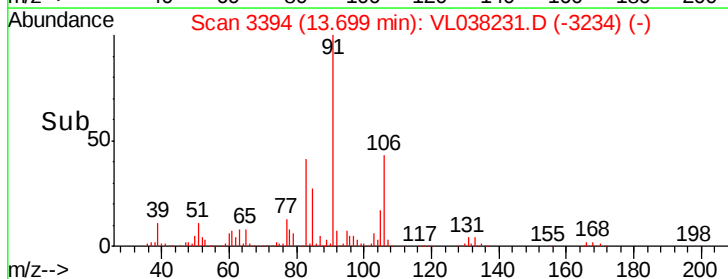
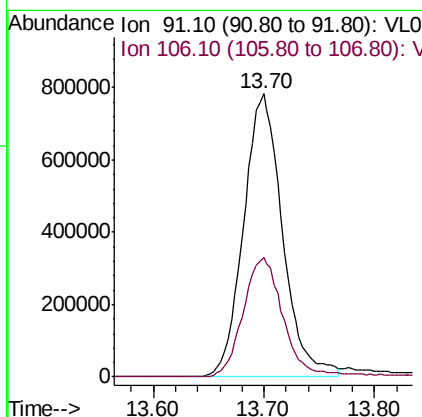
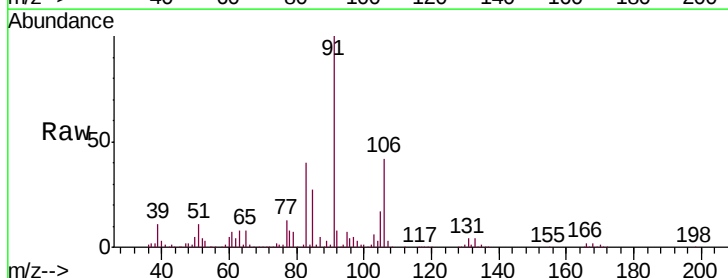
#59
m/p-Xylene
Concen: 7.529 ppbv
RT: 13.00 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 29 Dec 2021 13:34

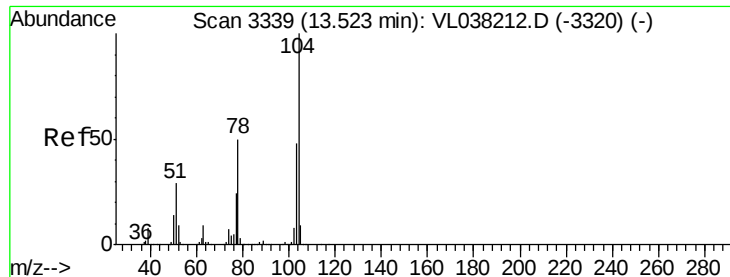
Tot Ion: 91 Resp: 2262743
Ion Ratio Lower Upper
91 100
106 80.0 36.9 55.3#



#60
o-Xylene
Concen: 6.853 ppbv
RT: 13.70 min Scan# 3394
Delta R.T. 0.02 min
Lab File: VL038231.D
Acq: 29 Dec 2021 13:34

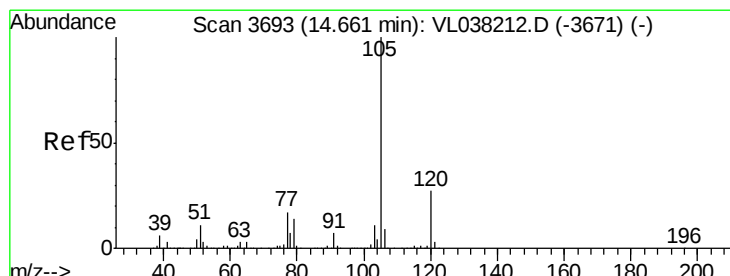
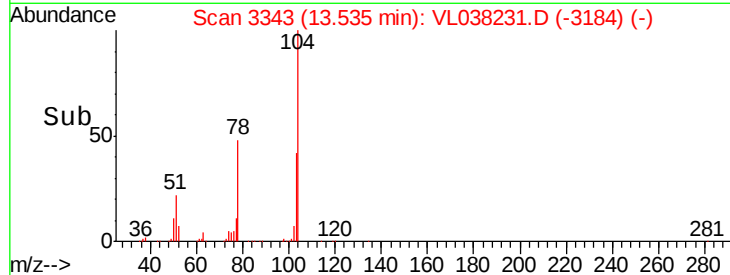
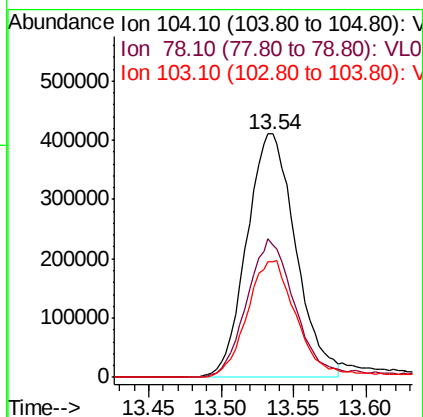
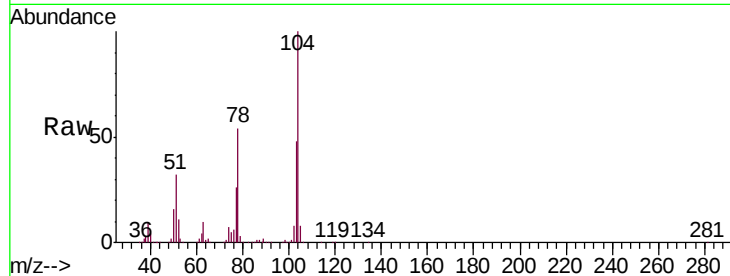
Tgt Ion: 91 Resp: 1909429
Ion Ratio Lower Upper
91 100
106 44.8 23.5 70.5





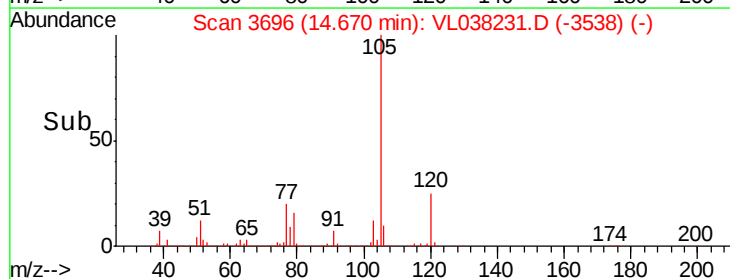
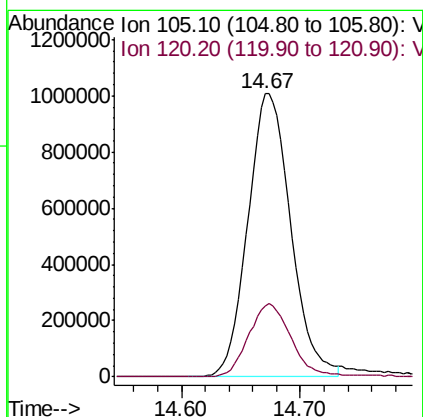
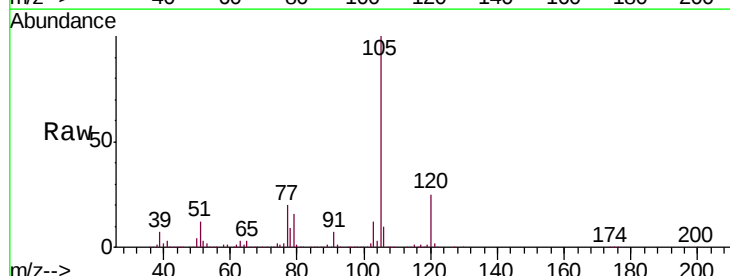
#61
Stvrene
Concen: 6.833 ppbv
RT: 13.54
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 29 Dec 2021 13:34

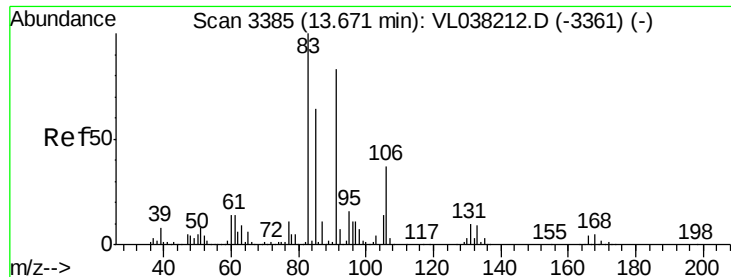
Tot Ion	Ratio	Lower	Upper
104	100		
78	58.0	41.0	61.6
103	49.8	38.0	57.0



#62
Isopropylbenzene
Concen: 6.429 ppbv
RT: 14.67 min Scan# 3696
Delta R.T. 0.01 min
Lab File: VL038231.D
Acq: 29 Dec 2021 13:34

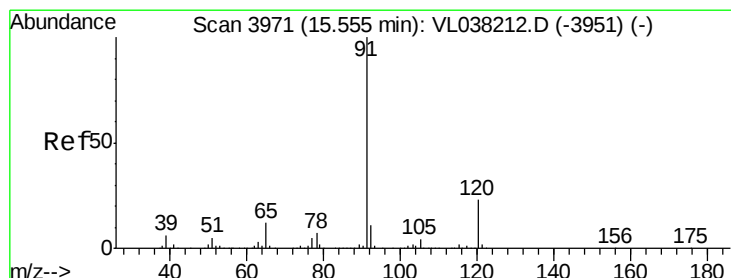
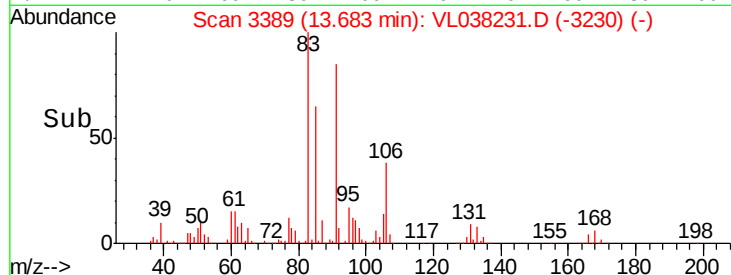
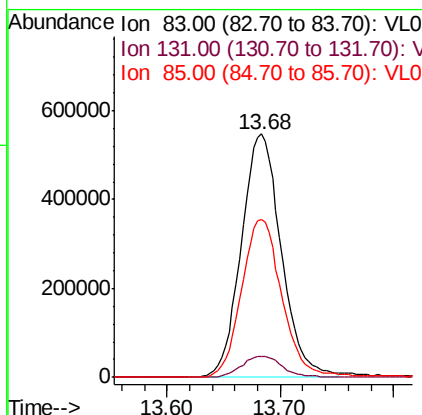
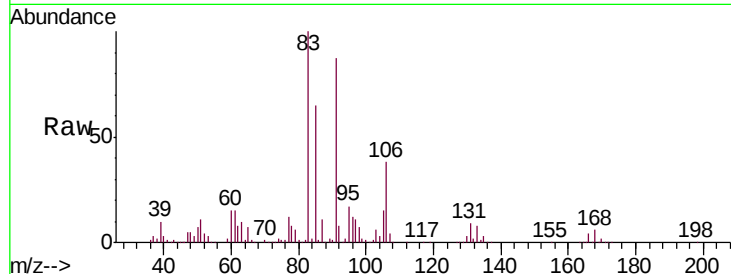
Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.2	21.0	31.6





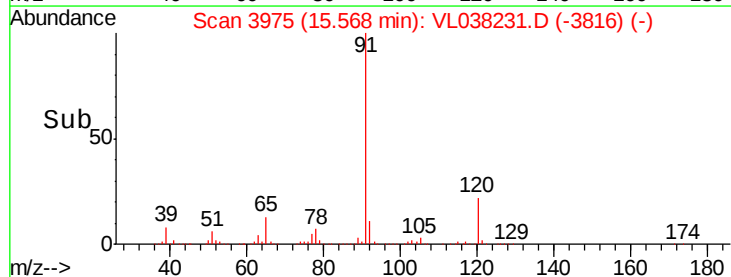
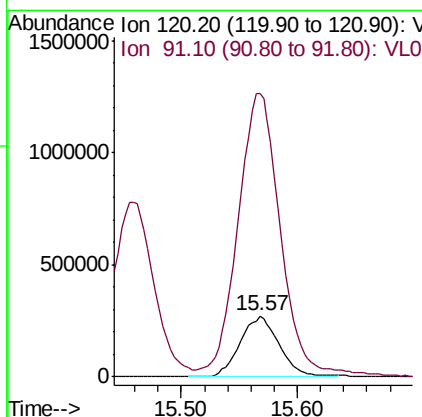
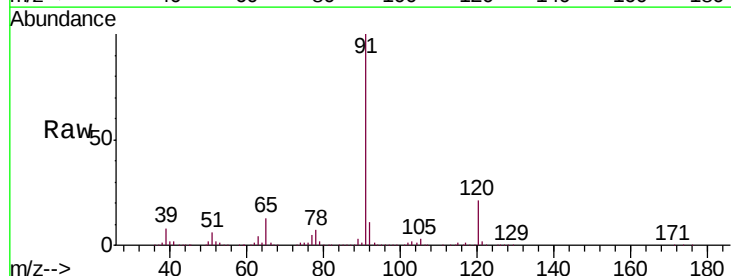
#63
 1,1,2,2-Tetrachloroethane
 Concen: 6.241 ppbv
 RT: 13.68 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 29 Dec 2021 13:34

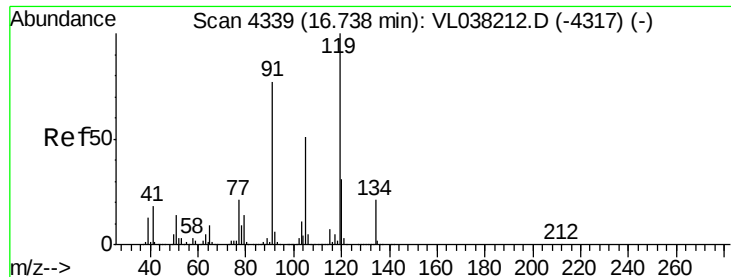
Tot Ion: 83 Resp: 1337338
 Ion Ratio Lower Upper
 83 100
 131 9.0 4.7 14.1
 85 66.6 32.9 98.6



#64
 n-propylbenzene
 Concen: 6.578 ppbv
 RT: 15.57 min Scan# 3975
 Delta R.T.: 0.01 min
 Lab File: VL038231.D
 Acq: 29 Dec 2021 13:34

Tgt Ion: 120 Resp: 639835
 Ion Ratio Lower Upper
 120 100
 91 506.5 381.5 572.3

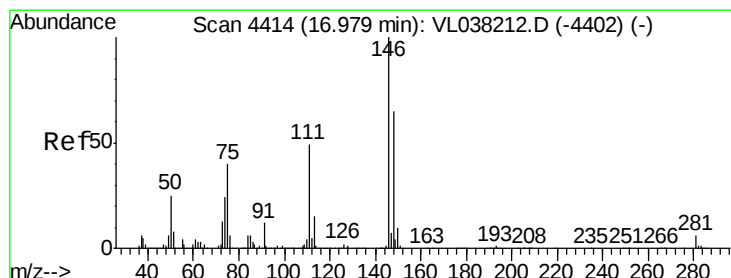
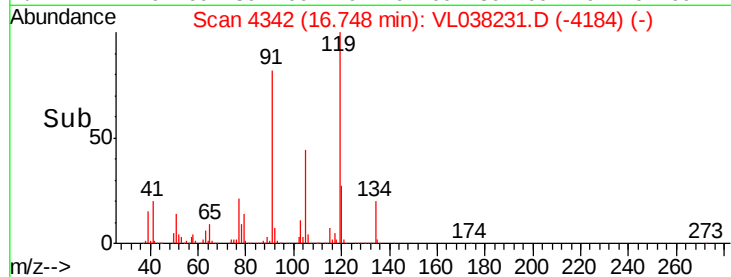
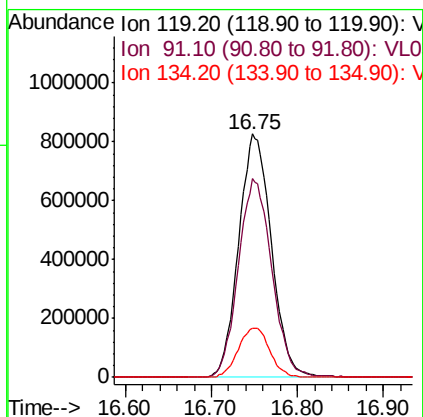
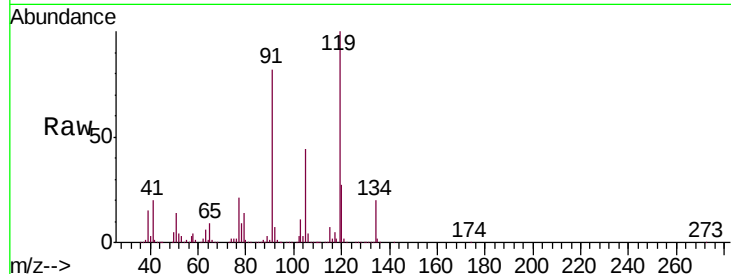




#65
 tert-Butylbenzene
 Concen: 6.340 ppbv
 RT: 16.75 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 29 Dec 2021 13:34

Tot Ion: 119 Resp: 2183189

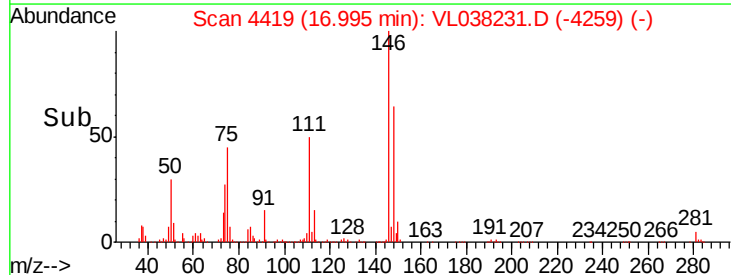
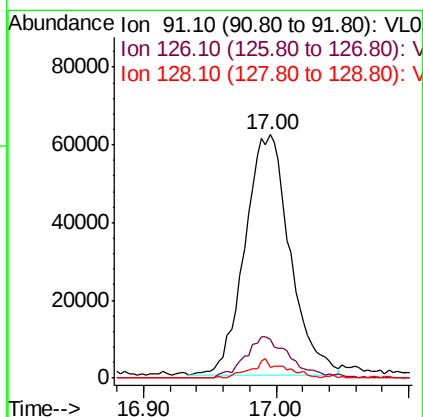
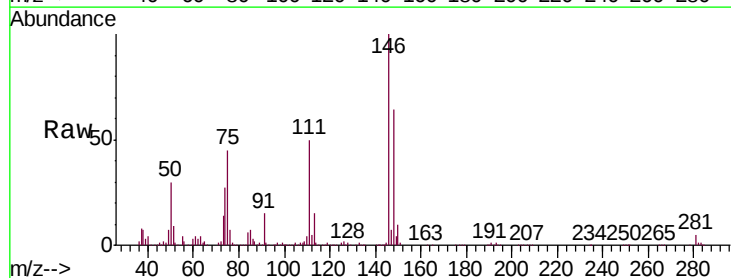
Ion	Ratio	Lower	Upper
119	100		
91	83.6	63.0	94.4
134	19.7	15.8	23.6

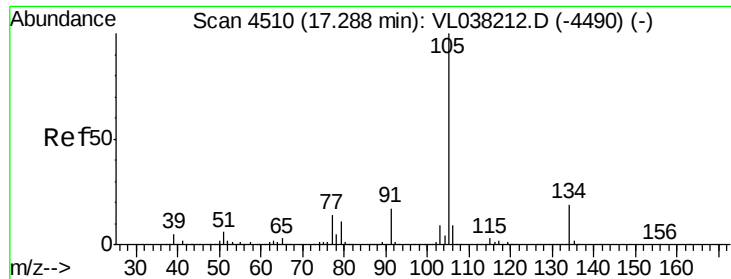


#66
 Benzyl Chloride
 Concen: 11.323 ppbv
 RT: 17.00 min Scan# 4419
 Delta R.T.: 0.02 min
 Lab File: VL038231.D
 Acq: 29 Dec 2021 13:34

Tgt Ion: 91 Resp: 145315

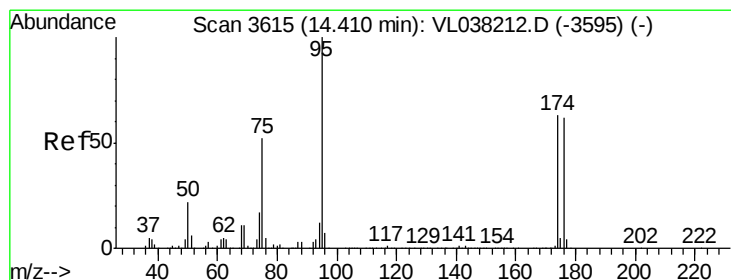
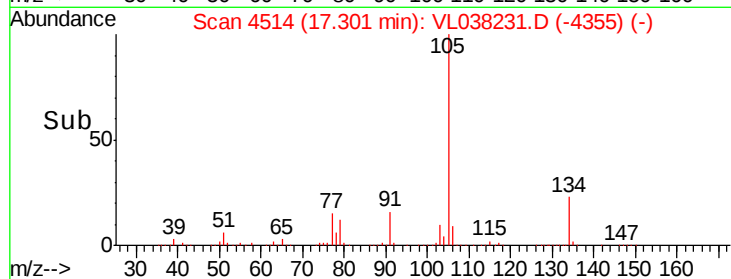
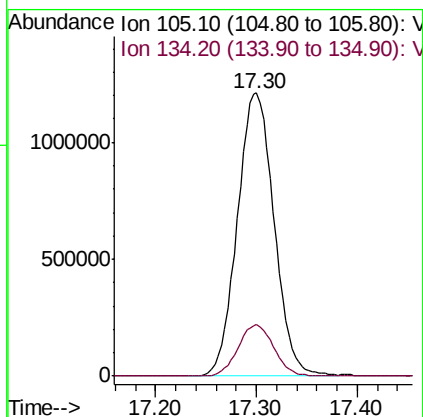
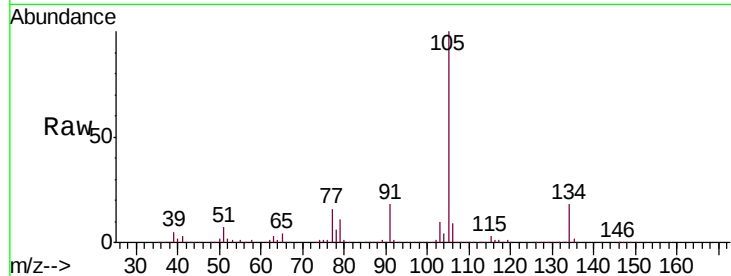
Ion	Ratio	Lower	Upper
91	100		
126	17.6	16.0	24.0
128	6.5	5.0	7.6





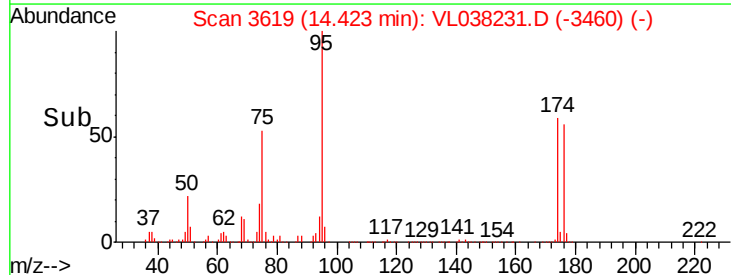
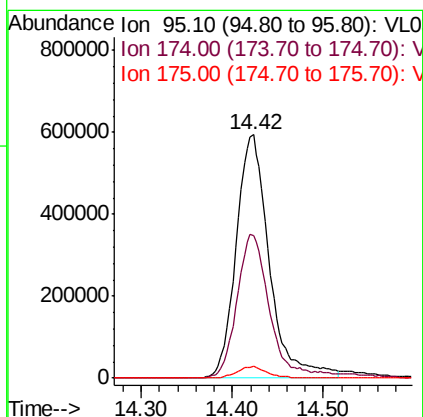
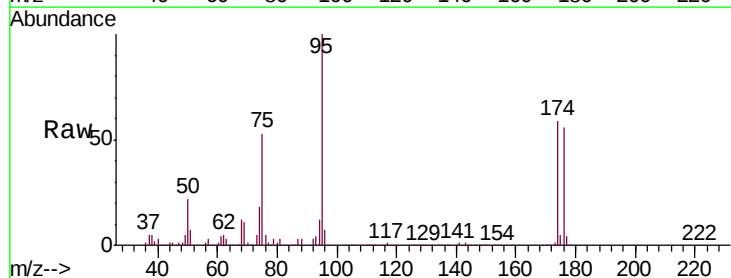
#67
 sec-Butylbenzene
 Concen: 6.443 ppbv
 RT: 17.30 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 29 Dec 2021 13:34

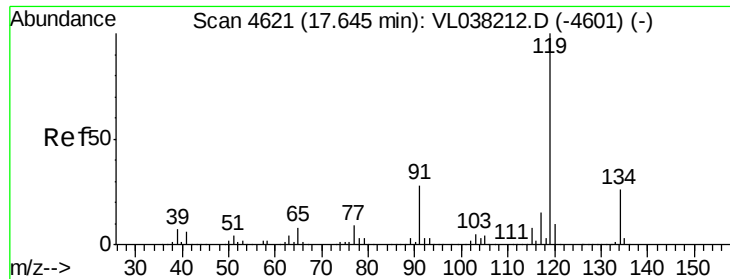
Tot Ion: 105 Resp: 3048609
 Ion Ratio Lower Upper
 105 100
 134 18.0 14.6 22.0



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.622 ppbv
 RT: 14.42 min Scan# 3619
 Delta R.T. 0.01 min
 Lab File: VL038231.D
 Acq: 29 Dec 2021 13:34

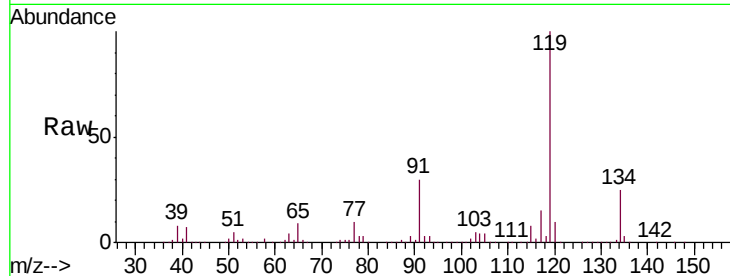
Tgt Ion: 95 Resp: 1505130
 Ion Ratio Lower Upper
 95 100
 174 60.5 54.6 81.8
 175 4.6 4.1 6.1



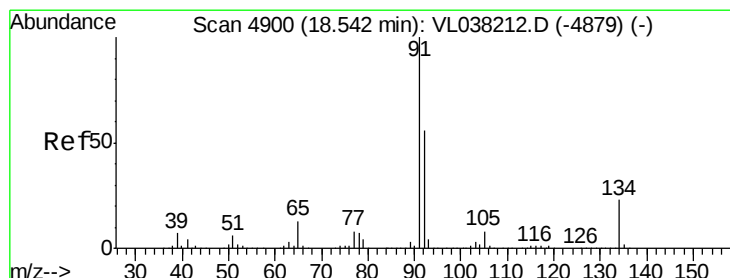
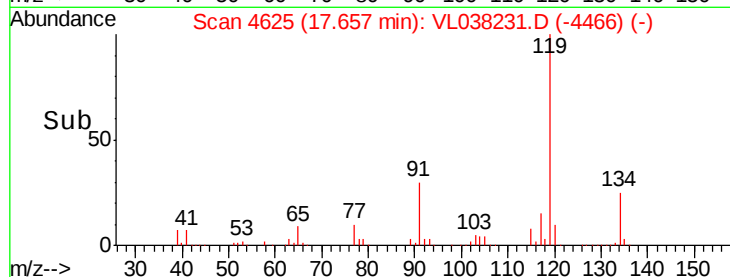
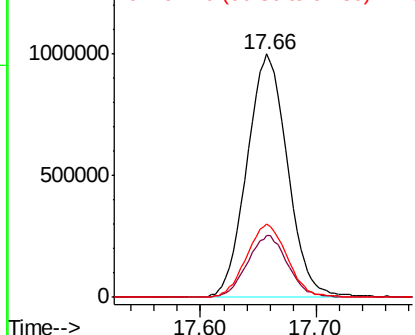


#69
 p-Isopropyltoluene
 Concen: 6.373 ppbv
 RT: 17.66 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 29 Dec 2021 13:34

Tot Ion: 119 Resp: 2425373
 Ion Ratio Lower Upper
 119 100
 134 25.5 20.4 30.6
 91 30.4 22.4 33.6

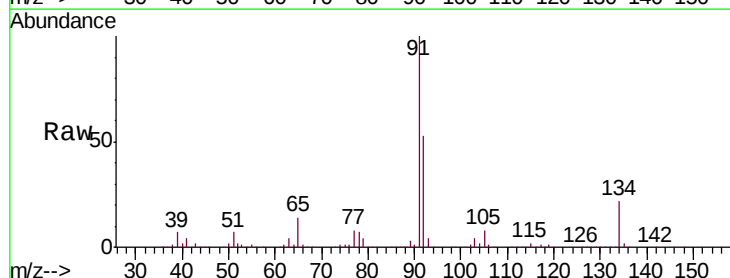


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

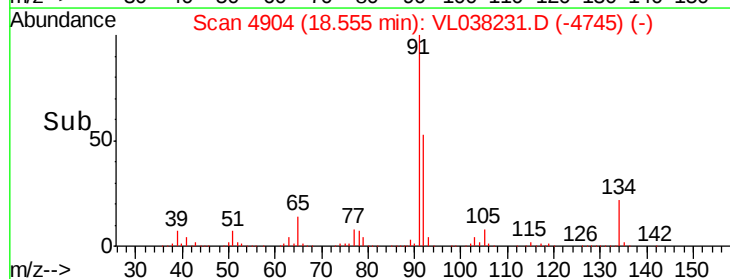
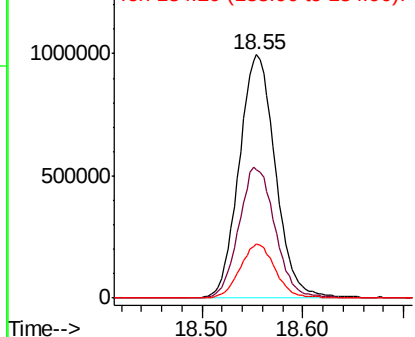


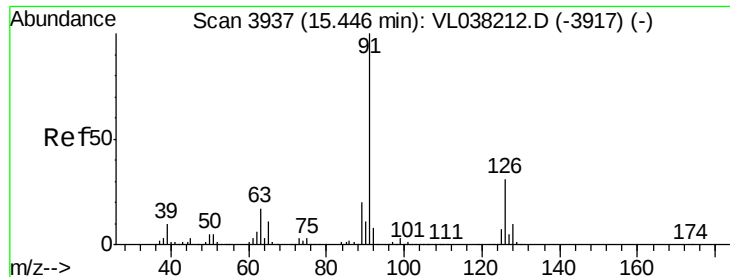
#70
 n-Butylbenzene
 Concen: 6.852 ppbv
 RT: 18.55 min Scan# 4904
 Delta R.T. 0.01 min
 Lab File: VL038231.D
 Acq: 29 Dec 2021 13:34

Tgt Ion: 91 Resp: 2479088
 Ion Ratio Lower Upper
 91 100
 92 54.1 44.0 66.0
 134 21.8 18.5 27.7



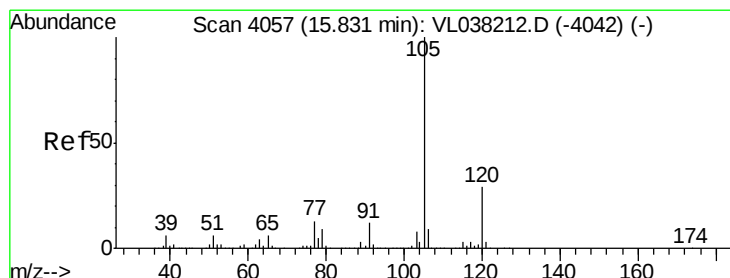
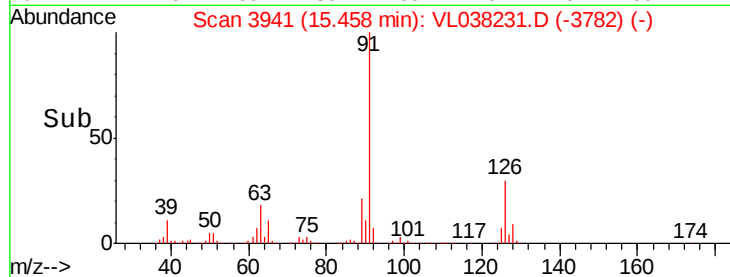
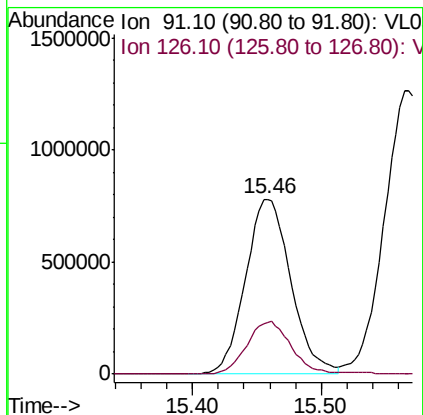
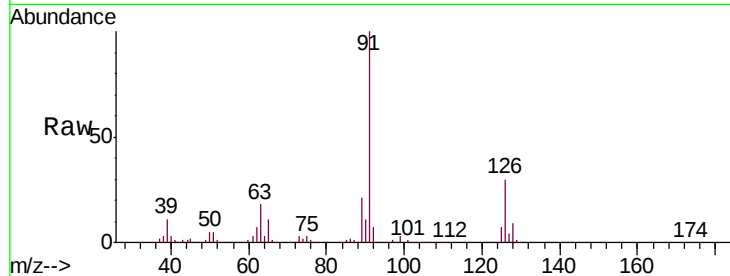
Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





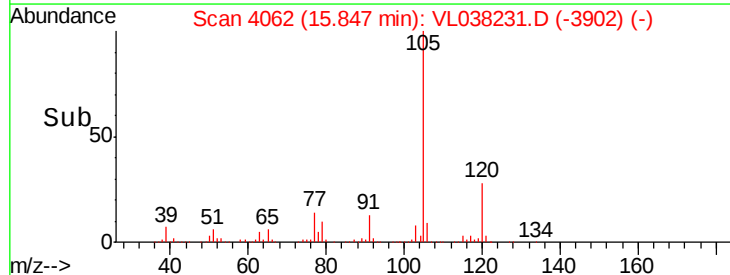
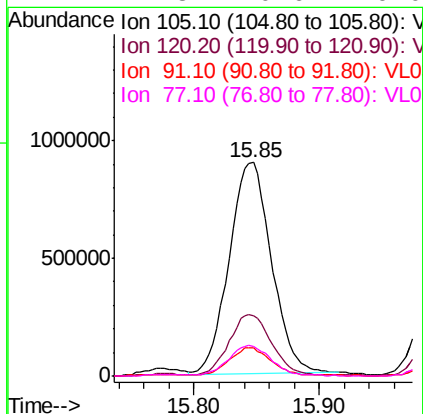
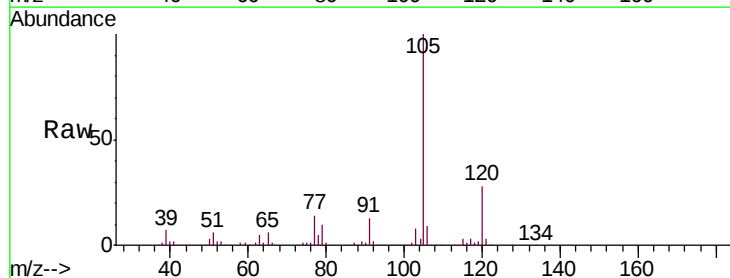
#71
 2-Chlorotoluene
 Concen: 6.569 ppbv
 RT: 15.46
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 29 Dec 2021 13:34

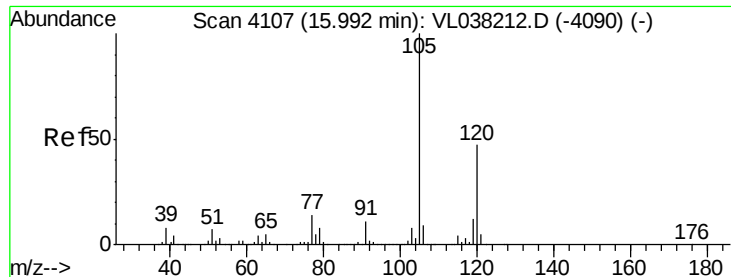
Tot Ion: 91 Resp: 1912890
 Ion Ratio Lower Upper
 91 100
 126 30.6 12.8 51.0



#72
 4-Ethyltoluene
 Concen: 6.586 ppbv
 RT: 15.85 min Scan# 4062
 Delta R.T. 0.02 min
 Lab File: VL038231.D
 Acq: 29 Dec 2021 13:34

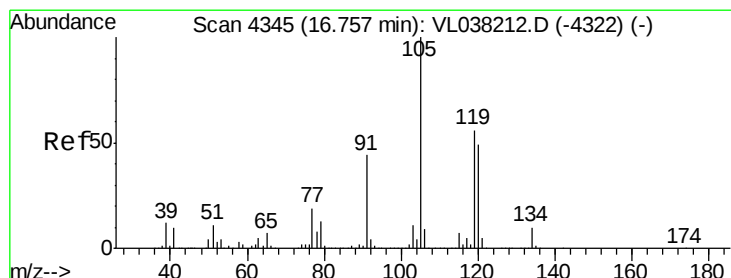
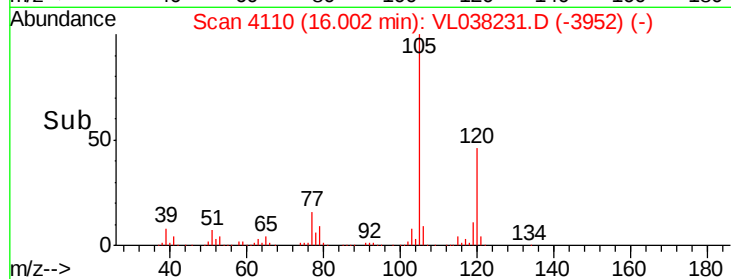
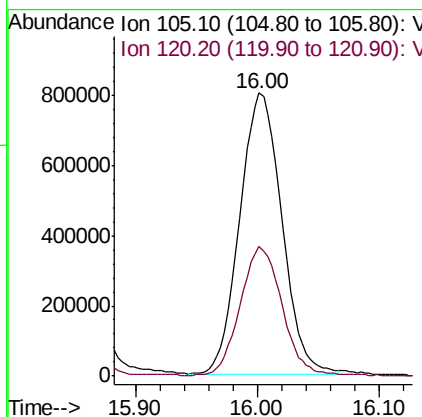
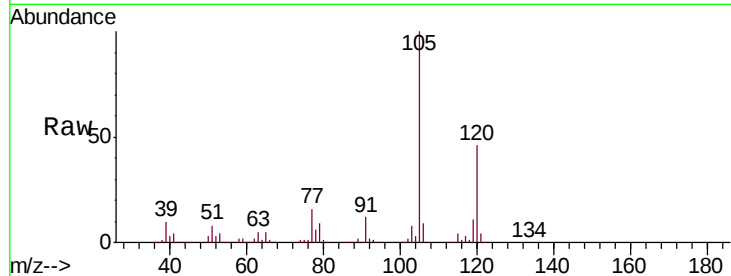
Tgt Ion: 105 Resp: 2113235
 Ion Ratio Lower Upper
 105 100
 120 29.8 24.3 36.5
 91 13.2 9.8 14.6
 77 14.8 10.6 16.0





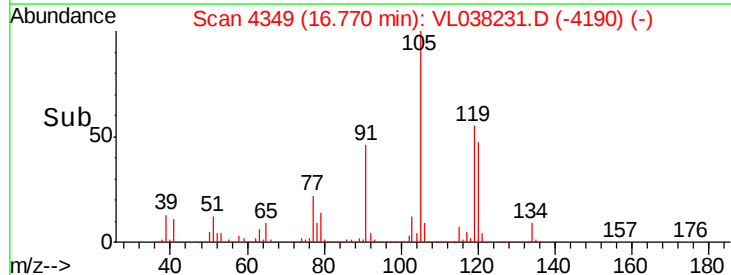
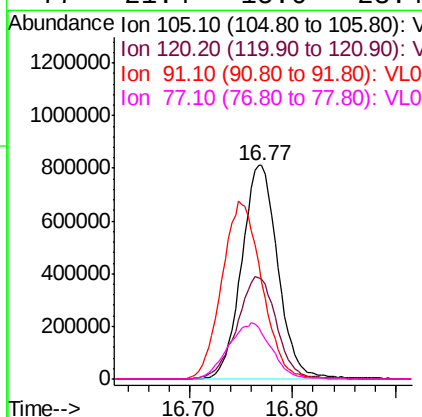
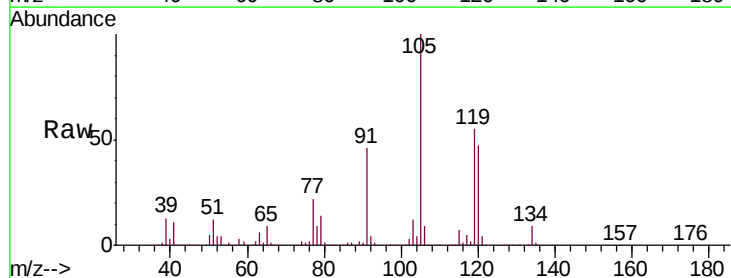
#73
 1,3,5-Trimethylbenzene
 Concen: 6.623 ppbv
 RT: 16.00 min
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 29 Dec 2021 13:34

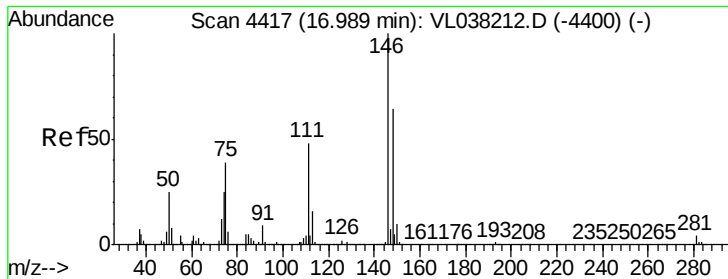
Tot Ion:105 Resp: 1901818
 Ion Ratio Lower Upper
 105 100
 120 46.0 37.3 55.9



#74
 1,2,4-Trimethylbenzene
 Concen: 6.540 ppbv
 RT: 16.77 min Scan# 4349
 Delta R.T. 0.01 min
 Lab File: VL038231.D
 Acq: 29 Dec 2021 13:34

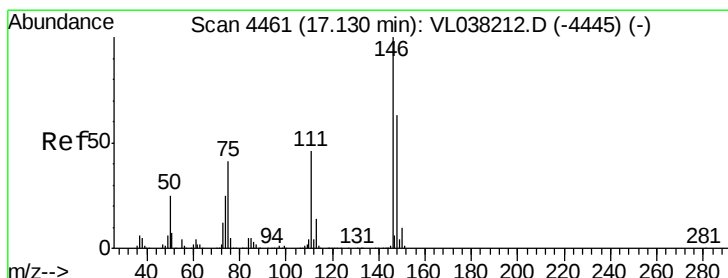
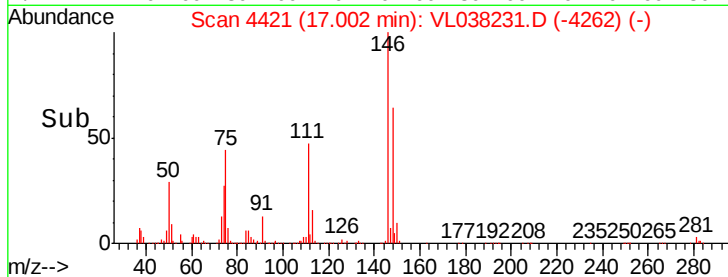
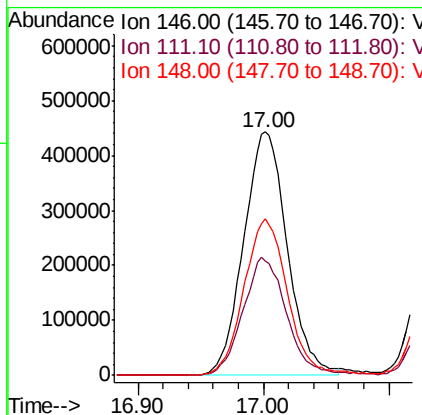
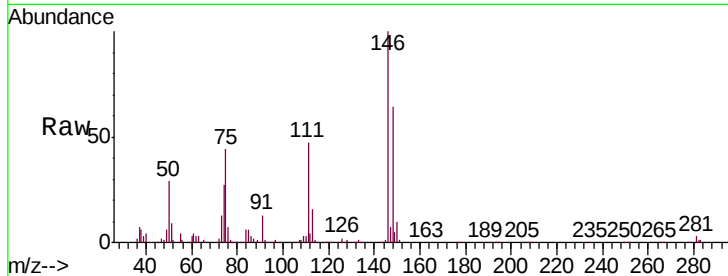
Tgt Ion:105 Resp: 1972496
 Ion Ratio Lower Upper
 105 100
 120 46.6 39.4 59.2
 91 45.2 35.0 52.4
 77 21.4 15.6 23.4





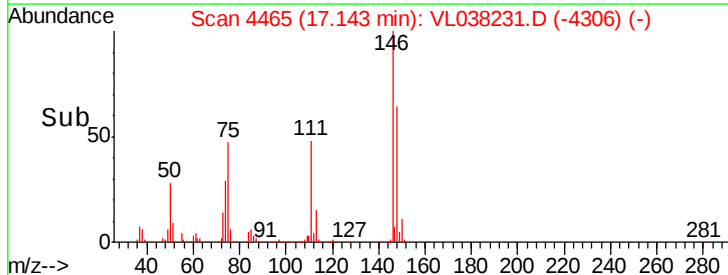
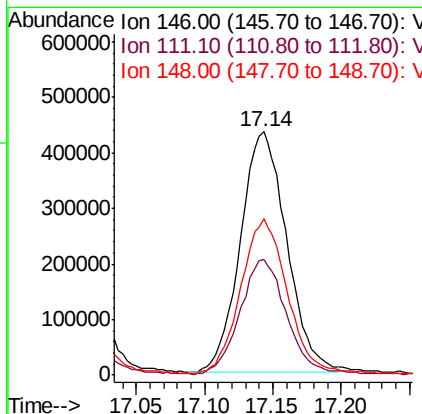
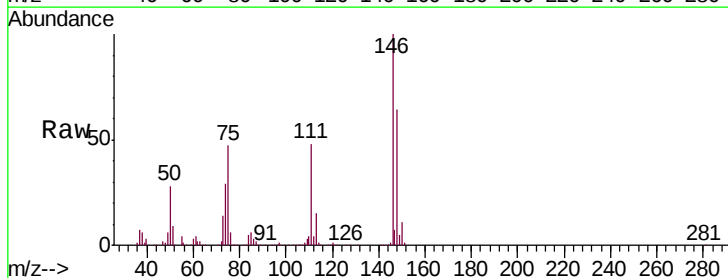
#75
 1,3-Dichlorobenzene
 Concen: 6.566 ppbv
 RT: 17.00
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 29 Dec 2021 13:34

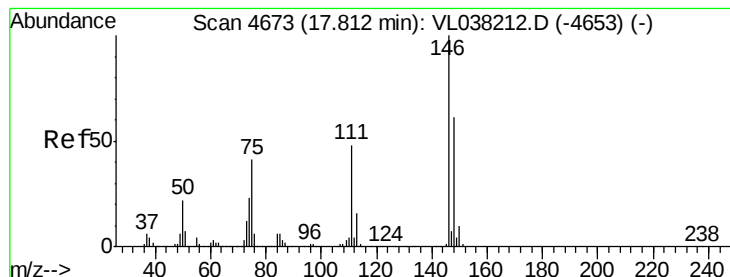
Tot Ion:146 Resp: 1069714
 Ion Ratio Lower Upper
 146 100
 111 48.5 23.8 71.4
 148 64.4 32.3 96.8



#76
 1,4-Dichlorobenzene
 Concen: 6.319 ppbv
 RT: 17.14 min Scan# 4465
 Delta R.T. 0.01 min
 Lab File: VL038231.D
 Acq: 29 Dec 2021 13:34

Tgt Ion:146 Resp: 1021435
 Ion Ratio Lower Upper
 146 100
 111 49.3 23.6 71.0
 148 66.4 33.1 99.5





#77

1,2-Dichlorobenzene

Concen: 6.475 ppbv

RT: 17.82 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 29 Dec 2021 13:34

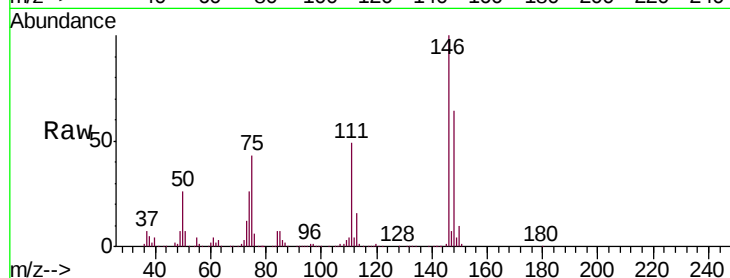
Tot Ion:146 Resp: 1010019

Ion Ratio Lower Upper

146 100

111 49.9 24.9 74.7

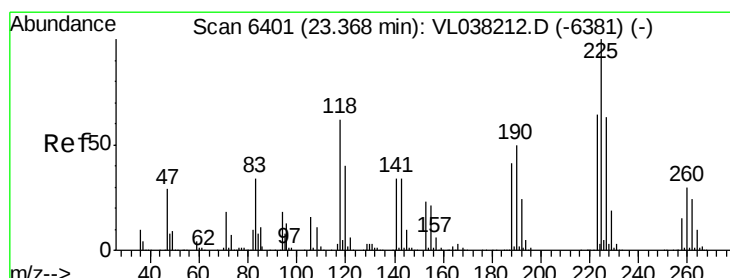
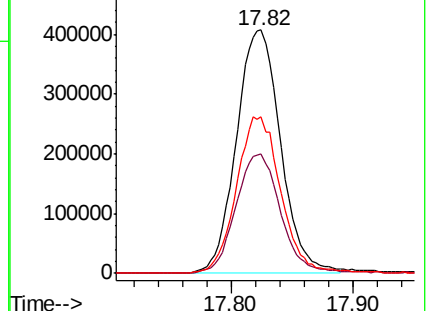
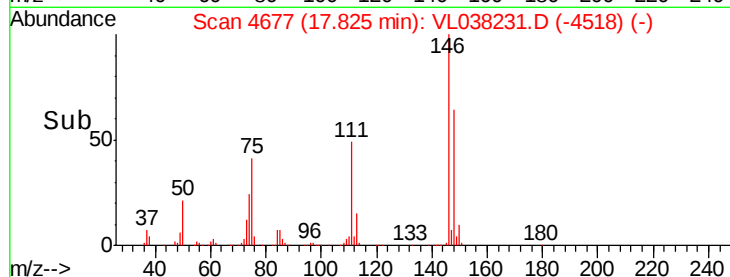
148 65.9 32.1 96.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 6.303 ppbv

RT: 23.38 min Scan# 6404

Delta R.T. 0.01 min

Lab File: VL038231.D

Acq: 29 Dec 2021 13:34

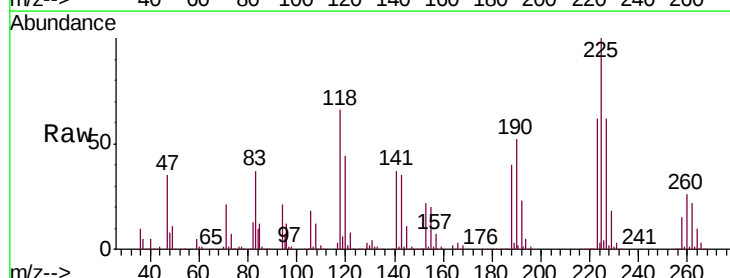
Tgt Ion:225 Resp: 606623

Ion Ratio Lower Upper

225 100

223 65.1 51.5 77.3

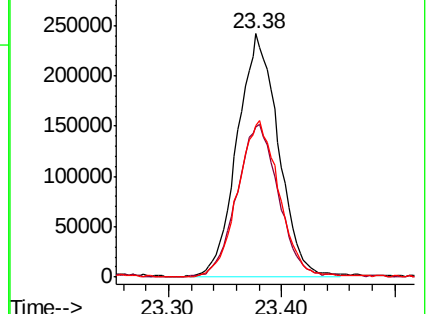
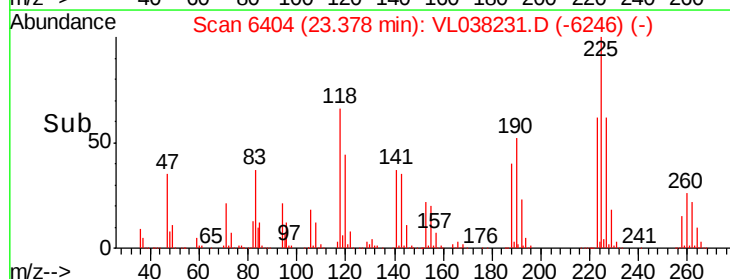
227 65.0 51.9 77.9

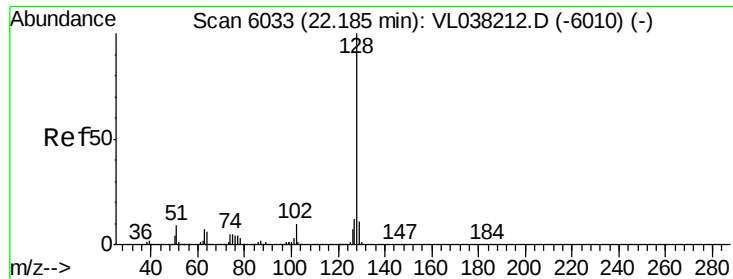


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V

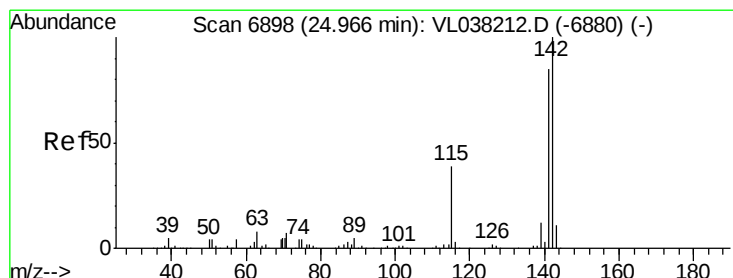
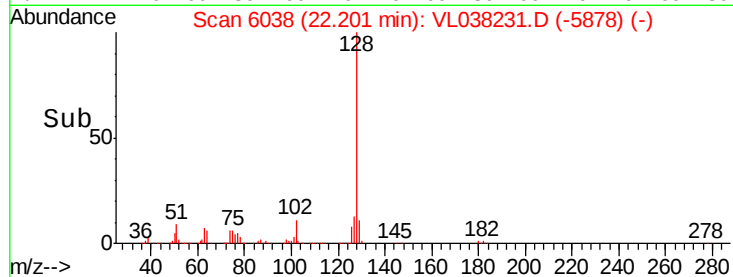
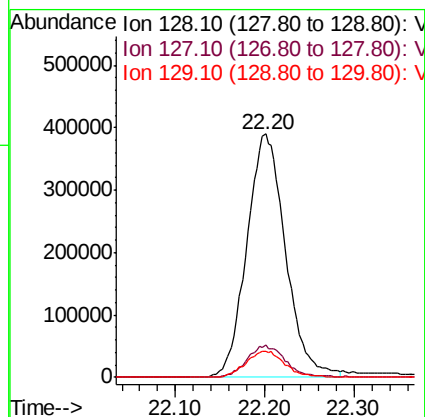
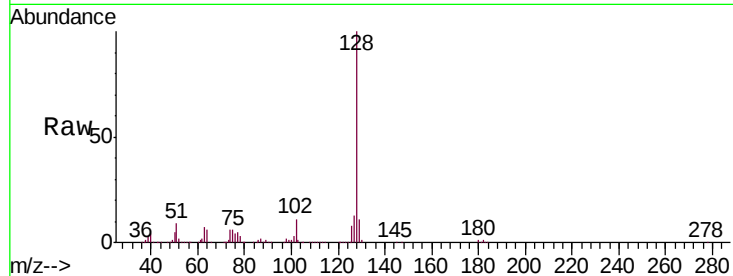




#79
Naphthalene
Concen: 7.544 ppbv
RT: 22.20 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 29 Dec 2021 13:34

Tot Ion:128 Resp: 1175452

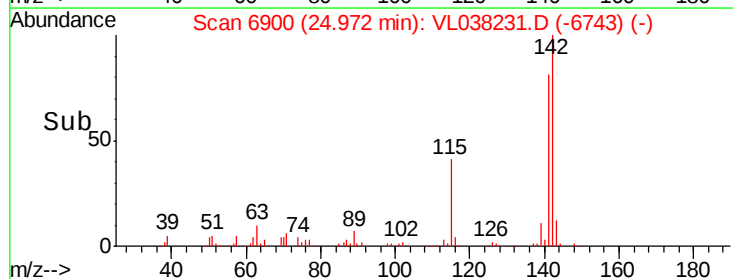
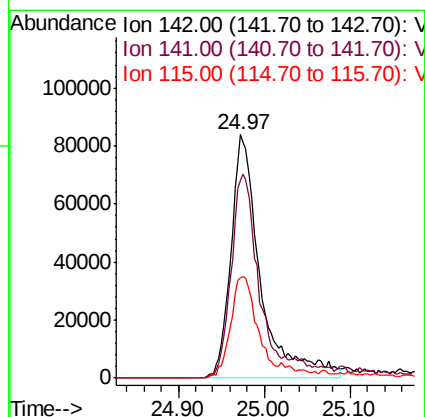
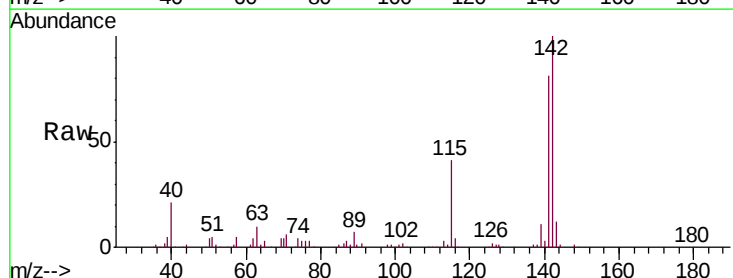
Ion	Ratio	Lower	Upper
128	100		
127	13.1	9.6	14.4
129	10.8	9.2	13.8

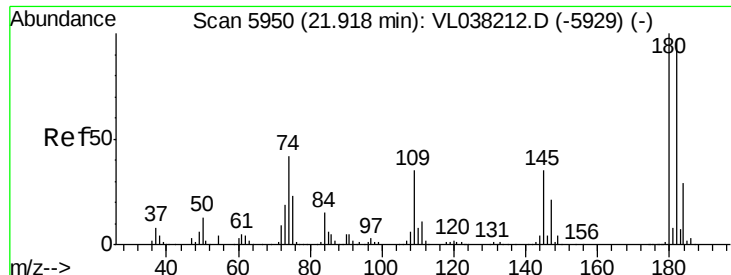


#80
Naphthalene, 2-methyl-
Concen: 6.506 ppbv
RT: 24.97 min Scan# 6900
Delta R.T.: 0.01 min
Lab File: VL038231.D
Acq: 29 Dec 2021 13:34

Tgt Ion:142 Resp: 201120

Ion	Ratio	Lower	Upper
142	100		
141	89.0	66.7	100.1
115	45.9	29.4	44.0#





#81

1,2,4-Trichlorobenzene

Concen: 7.116 ppbv

RT: 21.93 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 29 Dec 2021 13:34

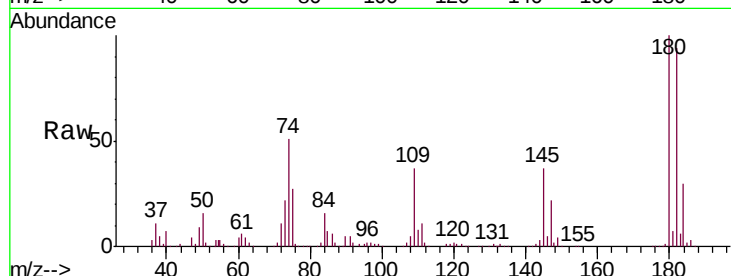
Tot Ion:180 Resp: 633985

Ion Ratio Lower Upper

180 100

182 98.6 78.2 117.2

184 31.0 25.7 38.5



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

