

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL122921\
 Data File : VL038233.D
 Acq On : 29 Dec 2021 15:14
 Operator : SY/AP
 Sample : VL1221ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 29 18:40:02 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	721435	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	1943044	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2189904	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1440608	8.54	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	85.40%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.06	85	1157390	8.514	ppbv	97
3) Chlorodifluoromethane	3.00	51	1325032	8.741	ppbv	97
4) Chloromethane	3.15	50	444693	8.460	ppbv	99
5) Vinyl Chloride	3.27	62	466617	8.832	ppbv	99
6) Bromomethane	3.48	94	259818	9.651	ppbv	96
7) Chloroethane	3.57	64	160322	9.011	ppbv	96
8) Dichlorotetrafluoroethane	3.20	85	1108011	8.588	ppbv	94
9) Propene	3.02	41	423383	8.043	ppbv	97
10) Heptane	8.13	43	1131847	8.477	ppbv	99
11) Trichlorofluoromethane	3.96	101	1136198	9.101	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.50	101	788907	8.366	ppbv	99
13) Ethanol	3.62	45	35363	3.963	ppbv #	100
14) Bromoethene	3.75	108	350120	9.320	ppbv	97
15) Acetone	3.86	43	569420	7.864	ppbv	100
16) 1,3-Butadiene	3.34	39	440355	8.928	ppbv	100
17) tert-Butyl alcohol	4.30	59	685553	8.621	ppbv	99
18) 1,1-Dichloroethene	4.30	96	349490	8.463	ppbv	100
19) Isopropyl Alcohol	3.98	45	378086	8.372	ppbv #	39
20) Methylene Chloride	4.36	84	293647	7.183	ppbv	93
21) Allyl Chloride	4.42	41	543500	8.874	ppbv	98
22) trans-1,2-Dichloroethene	4.90	96	385354	9.146	ppbv	96
23) Vinyl Acetate	5.08	43	865527	8.829	ppbv	99
24) 1,1-Dichloroethane	5.02	63	747493	8.526	ppbv	99
25) Ethyl Acetate	5.69	43	1769939	9.023	ppbv	99
26) Hexane	5.70	57	810315	8.233	ppbv	96
27) Carbon Disulfide	4.56	76	973672	11.239	ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	787460	7.962	ppbv	100
29) Chloroform	5.76	83	1311560	8.980	ppbv	98
30) Cyclohexane	7.14	84	680740	7.809	ppbv	89
31) cis-1,2-Dichloroethene	5.56	61	803047	10.404	ppbv	91
32) 1,1,1-Trichloroethane	6.52	97	1329562	9.175	ppbv	97
34) 2-Butanone	5.25	43	618009	10.582	ppbv	98
35) Carbon Tetrachloride	7.03	117	1395274	11.633	ppbv	99
36) Benzene	6.90	78	1698878	9.374	ppbv	98
37) 1,2-Dichloroethane	6.32	62	995223	10.944	ppbv	97
38) Trichloroethene	7.84	130	611792	8.870	ppbv	96
39) 1,2-Dichloropropane	7.62	63	664944	9.533	ppbv	96
40) 1,4-Dioxane	7.84	88	83526	4.116	ppbv #	1
41) Tetrahydrofuran	6.06	42	434806	10.165	ppbv	96
42) Bromodichloromethane	7.80	83	1470854	11.367	ppbv	99
43) Methyl Methacrylate	8.02	69	645553	10.350	ppbv	95

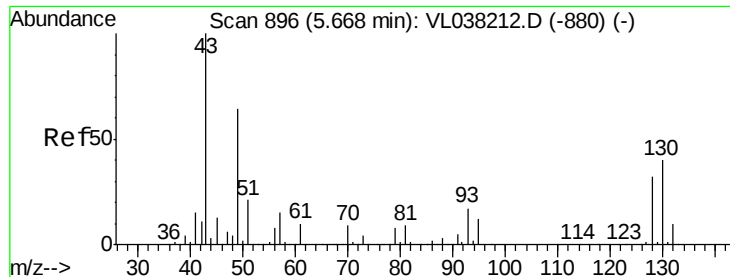
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL122921\
 Data File : VL038233.D
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL122121AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Dec 21 17:47:08 2021
 QLast Update : Tue Dec 21 17:47:08 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	2848990	9.254	ppbv	98
45) t-1,3-Dichloropropene	9.28	75	598337	12.962	ppbv	97
46) cis-1,3-Dichloropropene	8.71	75	737351	11.540	ppbv	95
47) 1,1,2-Trichloroethane	9.48	97	659912	9.115	ppbv	96
48) Dibromochloromethane	10.31	129	1165128	11.445	ppbv	99
49) Bromoform	13.05	173	834526	11.537	ppbv	98
50) 4-Methyl-2-Pentanone	8.75	43	1183927	11.150	ppbv	97
51) 2-Hexanone	10.15	43	540744	10.640	ppbv #	96
52) Tetrachloroethene	11.23	164	530356	7.928	ppbv	92
53) Toluene	9.81	91	1881659	8.998	ppbv	98
54) 1,2-Dibromoethane	10.62	107	960548	9.353	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.13	131	722350	7.931	ppbv #	57
57) Chlorobenzene	12.15	112	1271490	6.695	ppbv	98
58) Ethyl Benzene	12.72	91	2423178	7.131	ppbv	97
59) m/p-Xylene	13.00	91	2085974	7.180	ppbv #	43
60) o-Xylene	13.70	91	1867717	6.934	ppbv	97
61) Styrene	13.53	104	986318	7.229	ppbv	97
62) Isopropylbenzene	14.67	105	2517569	6.657	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	1323070	6.388	ppbv	99
64) n-propylbenzene	15.56	120	618897	6.583	ppbv	87
65) tert-Butylbenzene	16.75	119	2132424	6.406	ppbv	95
66) Benzyl Chloride	16.99	91	139320	11.230	ppbv	95
67) sec-Butylbenzene	17.30	105	2995794	6.550	ppbv	100
69) p-Isopropyltoluene	17.66	119	2378730	6.466	ppbv	98
70) n-Butylbenzene	18.55	91	2446841	6.996	ppbv	98
71) 2-Chlorotoluene	15.46	91	1892478	6.723	ppbv	97
72) 4-Ethyltoluene	15.84	105	2090261	6.739	ppbv	98
73) 1,3,5-Trimethylbenzene	16.00	105	1862075	6.708	ppbv	99
74) 1,2,4-Trimethylbenzene	16.77	105	1943141	6.665	ppbv	94
75) 1,3-Dichlorobenzene	17.00	146	1061574	6.741	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	1025935	6.566	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	995746	6.604	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	304791	3.276	ppbv #	21
79) Naphthalene	22.20	128	1172991	7.788	ppbv	99
80) Naphthalene, 2-methyl-	24.97	142	186342	6.236	ppbv	92
81) 1,2,4-Trichlorobenzene	21.93	180	621087	7.211	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 15:14

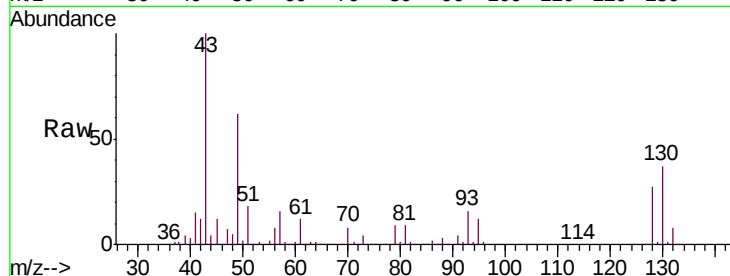
Tot Ion: 49 Resp: 721435

Ion Ratio Lower Upper

49 100

128 49.1 26.9 80.6

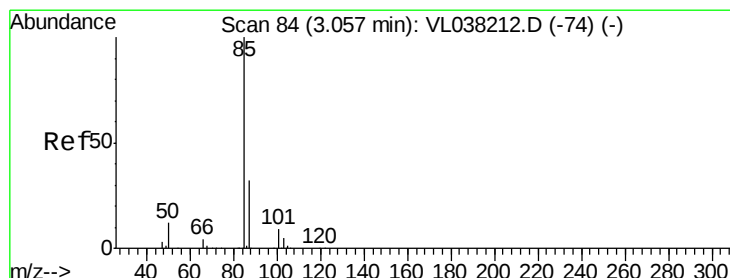
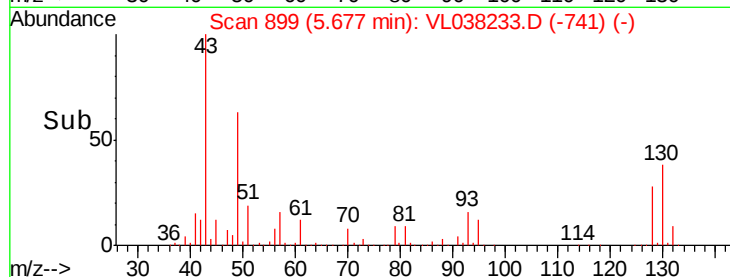
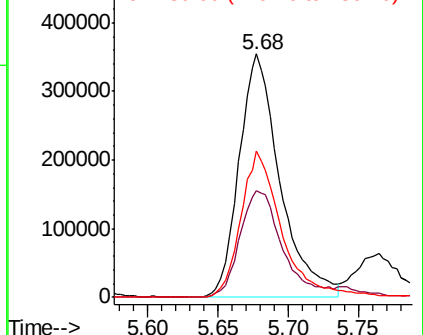
130 61.2 32.3 96.9



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: 8.514 ppbv

RT: 3.06 min Scan# 86

Delta R.T. 0.01 min

Lab File: VL038233.D

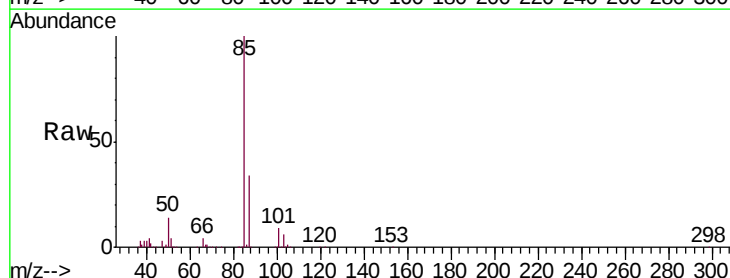
Acq: 29 Dec 2021 15:14

Tgt Ion: 85 Resp: 1157390

Ion Ratio Lower Upper

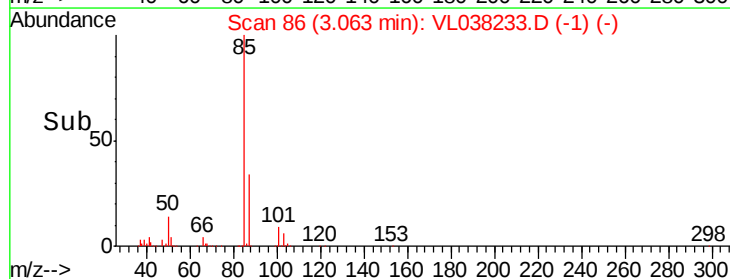
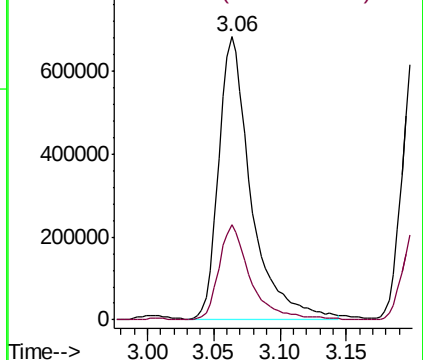
85 100

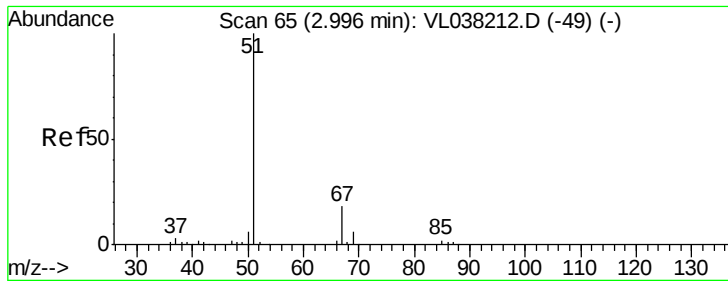
87 33.7 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

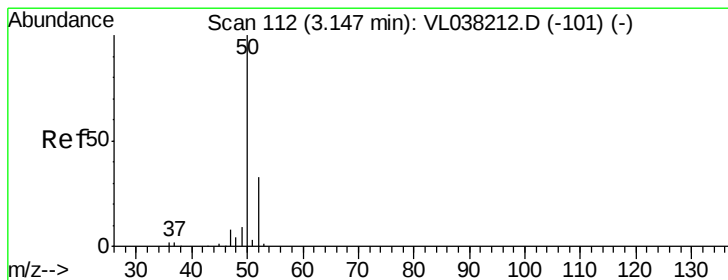
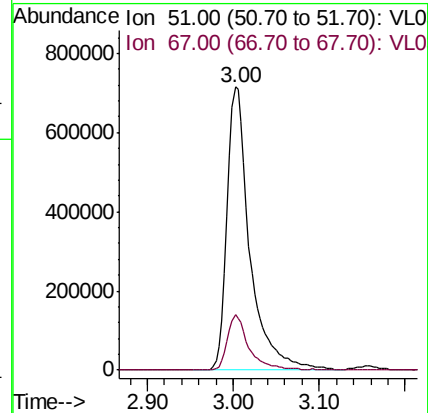
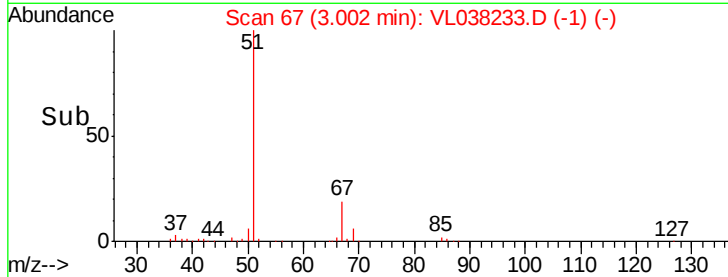
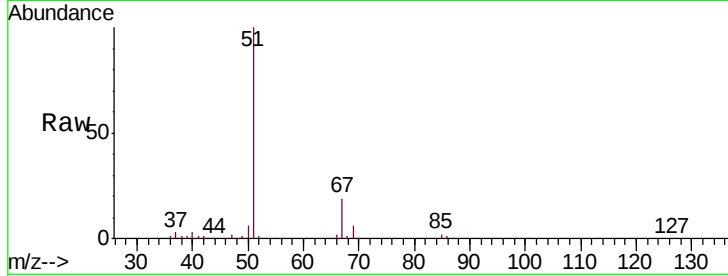
Ion 87.00 (86.70 to 87.70): VL0





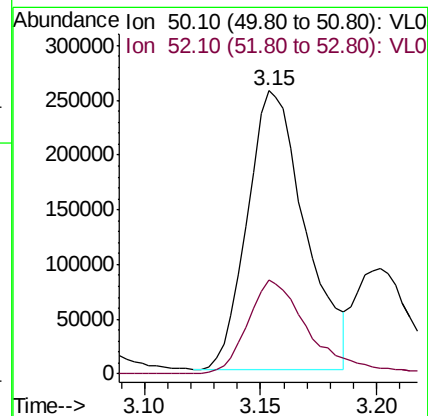
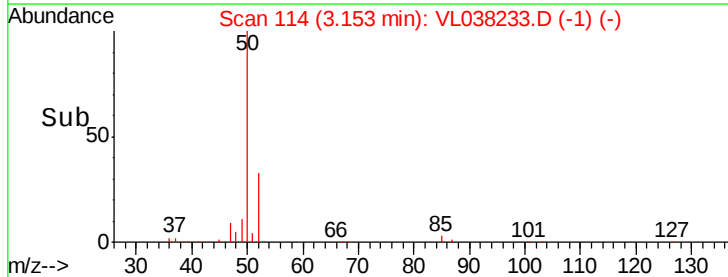
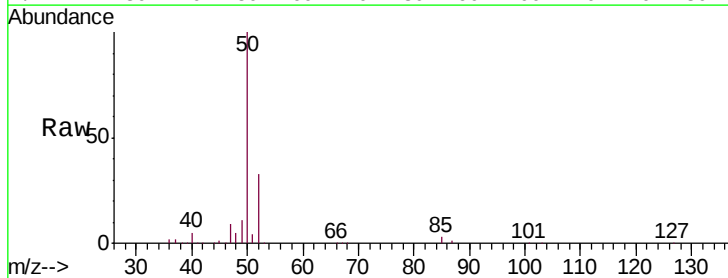
#3
 Chlorodifluoromethane
 Concen: 8.741 ppbv
 RT: 3.00
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 29 Dec 2021 15:14

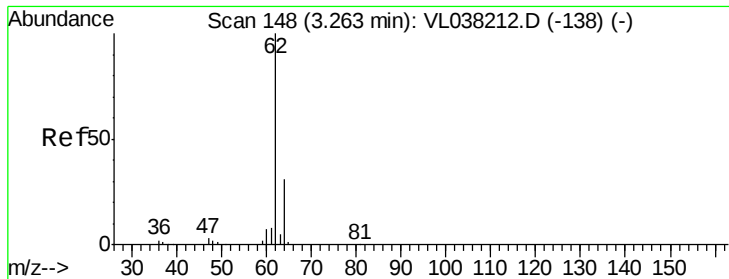
Tot Ion: 51 Resp: 1325032
 Ion Ratio Lower Upper
 51 100
 67 18.7 14.0 21.0



#4
 Chloromethane
 Concen: 8.460 ppbv
 RT: 3.15 min Scan# 114
 Delta R.T. 0.01 min
 Lab File: VL038233.D
 Acq: 29 Dec 2021 15:14

Tgt Ion: 50 Resp: 444693
 Ion Ratio Lower Upper
 50 100
 52 33.5 26.2 39.2





#5

Vinyl Chloride

Concen: 8.832 ppbv

RT: 3.27 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

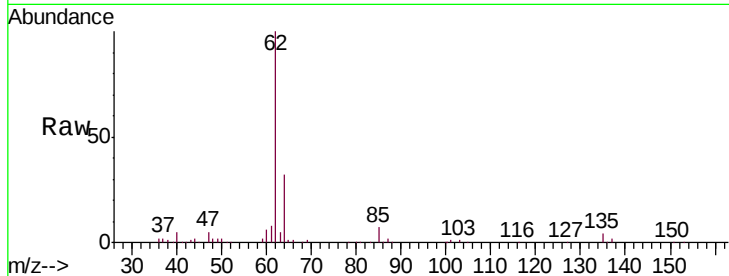
Acq: 29 Dec 2021 15:14

Tot Ion: 62 Resp: 466617

Ion Ratio Lower Upper

62 100

64 31.9 25.1 37.7



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

300000

250000

200000

150000

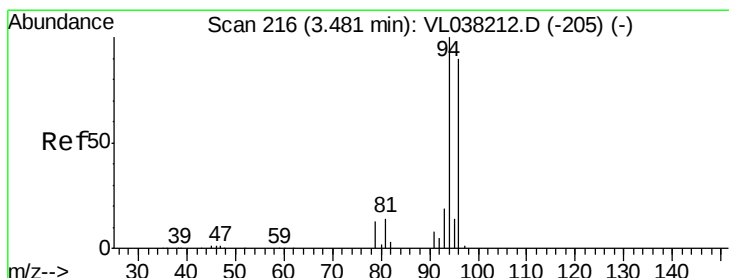
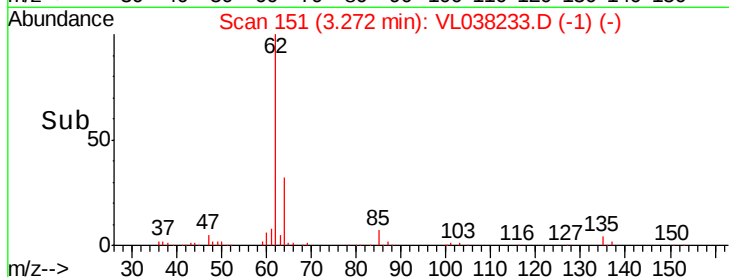
100000

50000

0

3.20 3.27 3.30 3.40

Time-->



#6

Bromomethane

Concen: 9.651 ppbv

RT: 3.48 min Scan# 217

Delta R.T. 0.00 min

Lab File: VL038233.D

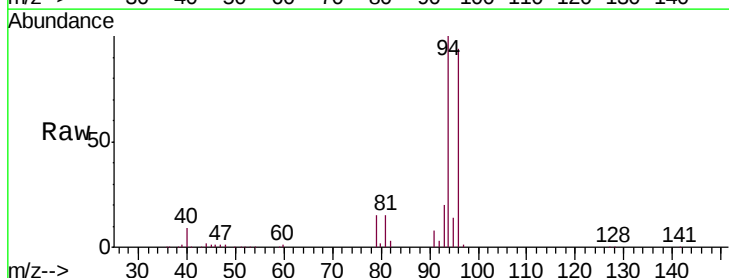
Acq: 29 Dec 2021 15:14

Tgt Ion: 94 Resp: 259818

Ion Ratio Lower Upper

94 100

96 93.7 72.2 108.2



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

150000

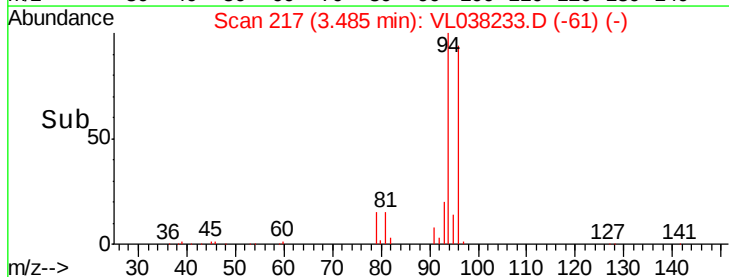
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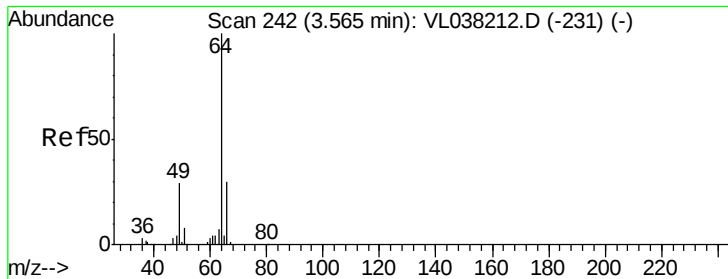
50000

0

3.45 3.48 3.50 3.55

Time-->





#7

Chloroethane

Concen: 9.011 ppbv

RT: 3.57 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

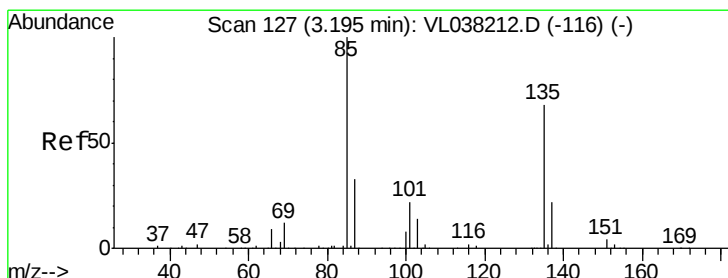
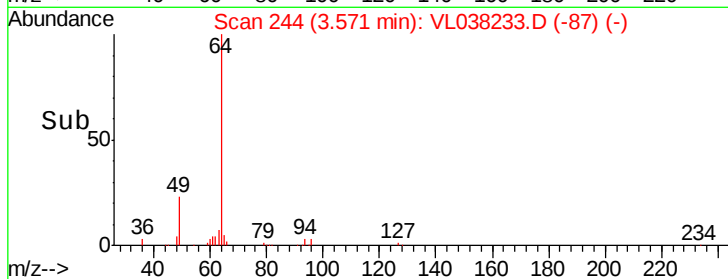
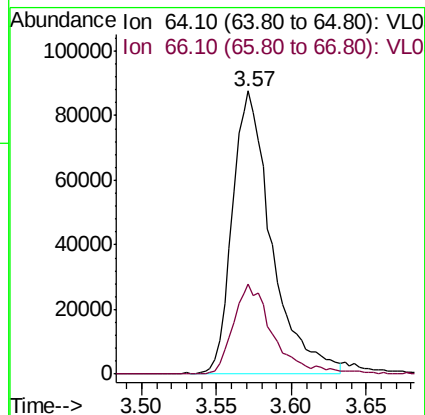
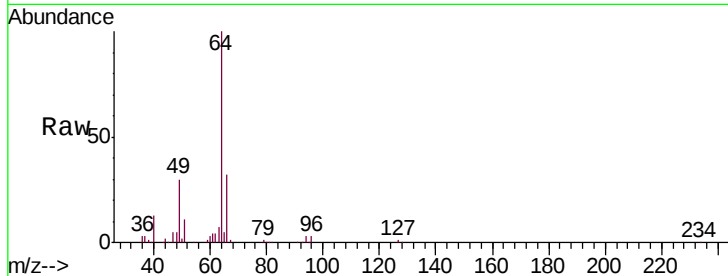
Acq: 29 Dec 2021 15:14

Tot Ion: 64 Resp: 160322

Ion Ratio Lower Upper

64 100

66 31.8 23.6 35.4



#8

Dichlorotetrafluoroethane

Concen: 8.588 ppbv

RT: 3.20 min Scan# 129

Delta R.T. 0.01 min

Lab File: VL038233.D

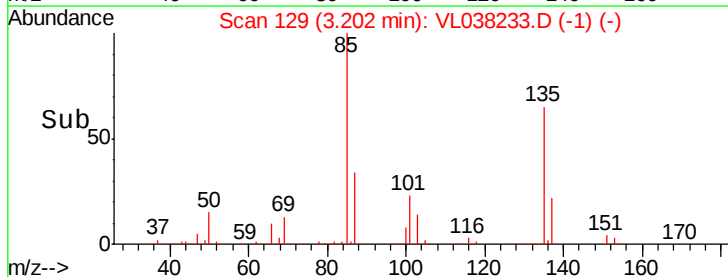
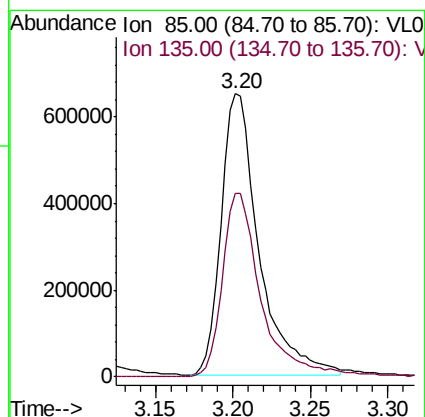
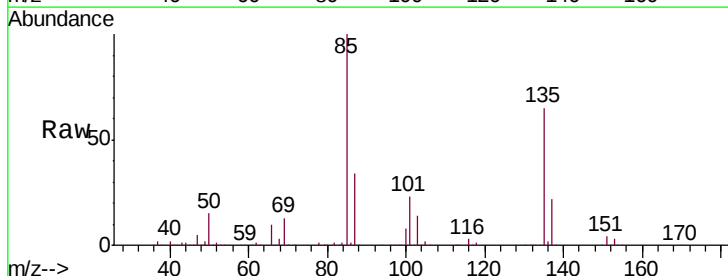
Acq: 29 Dec 2021 15:14

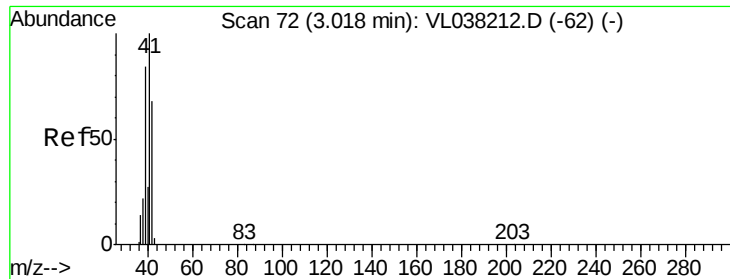
Tgt Ion: 85 Resp: 1108011

Ion Ratio Lower Upper

85 100

135 67.5 57.7 86.5





#9

Propene

Concen: 8.043 ppbv

RT: 3.02 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

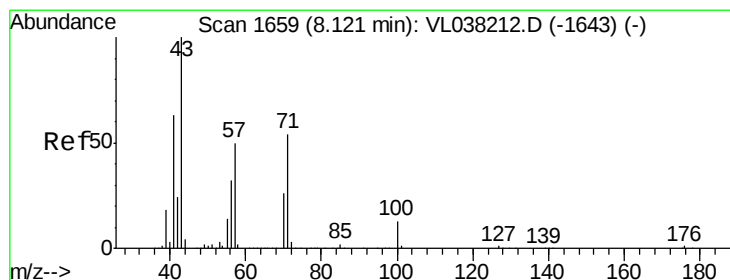
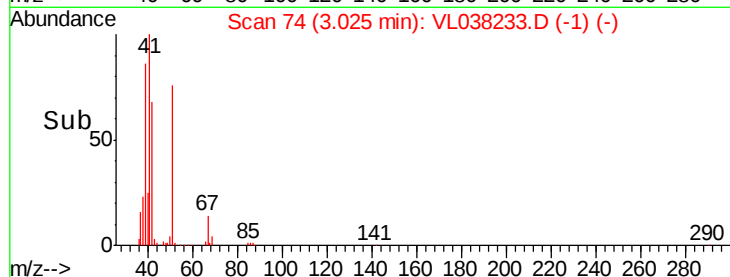
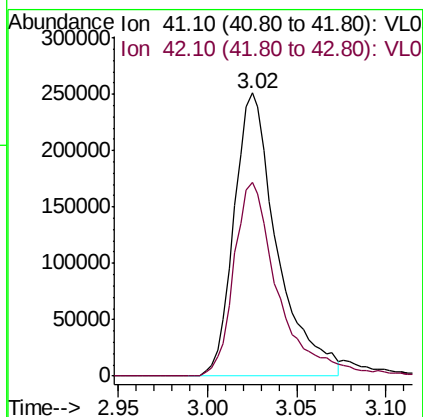
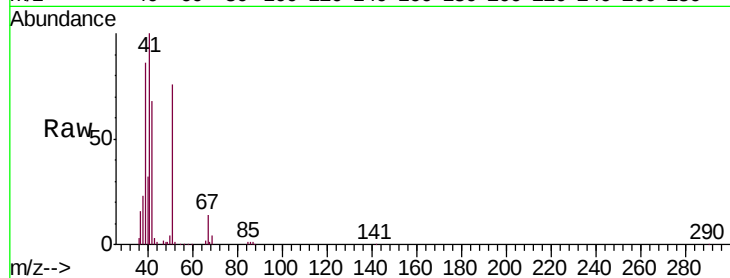
Acq: 29 Dec 2021 15:14

Tot Ion: 41 Resp: 423383

Ion Ratio Lower Upper

41 100

42 71.9 55.5 83.3



#10

Heptane

Concen: 8.477 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. 0.01 min

Lab File: VL038233.D

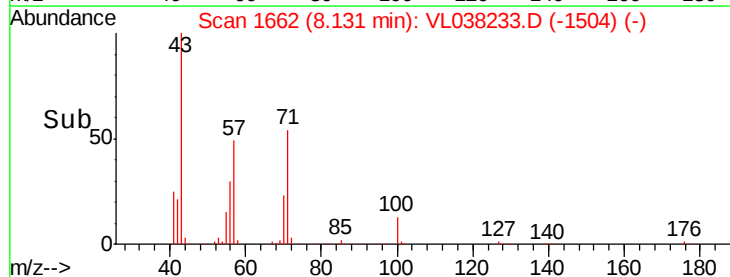
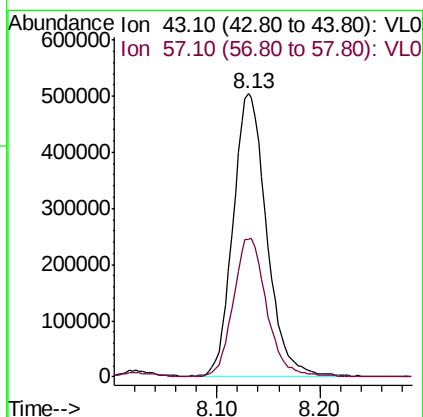
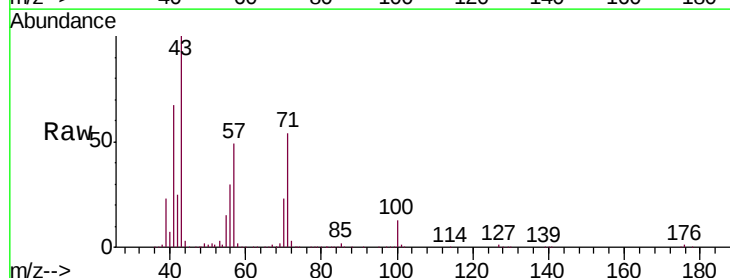
Acq: 29 Dec 2021 15:14

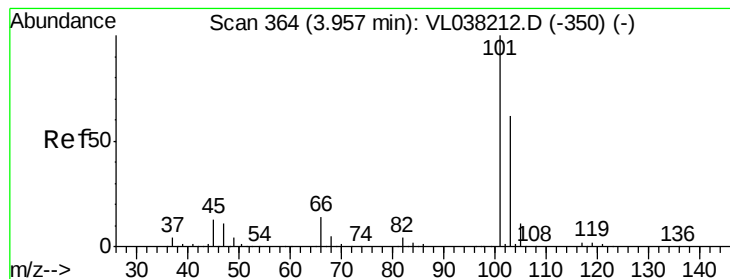
Tgt Ion: 43 Resp: 1131847

Ion Ratio Lower Upper

43 100

57 49.6 40.3 60.5





#11

Trichlorofluoromethane

Concen: 9.101 ppbv

RT: 3.96 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

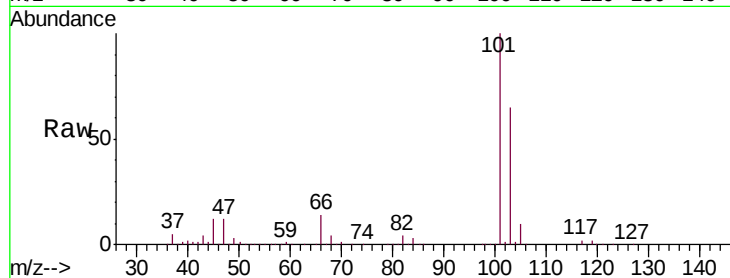
Acq: 29 Dec 2021 15:14

Tot Ion:101 Resp: 1136198

Ion Ratio Lower Upper

101 100

103 64.6 49.9 74.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

600000

400000

200000

0

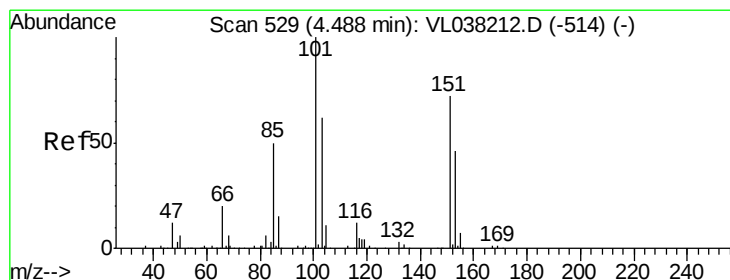
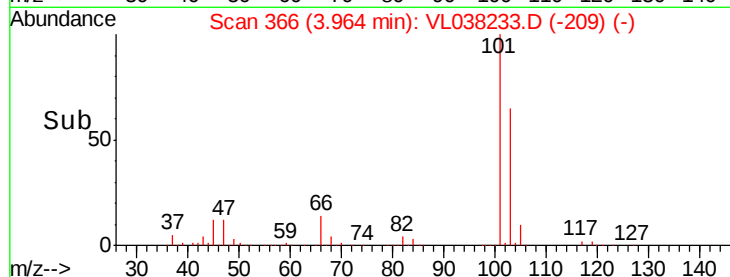
3.96

3.90

4.00

4.10

Time-->



#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.366 ppbv

RT: 4.50 min Scan# 532

Delta R.T. 0.01 min

Lab File: VL038233.D

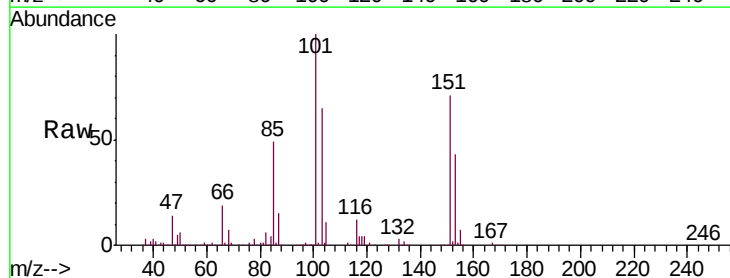
Acq: 29 Dec 2021 15:14

Tgt Ion:101 Resp: 788907

Ion Ratio Lower Upper

101 100

151 72.3 58.6 87.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

400000

300000

200000

100000

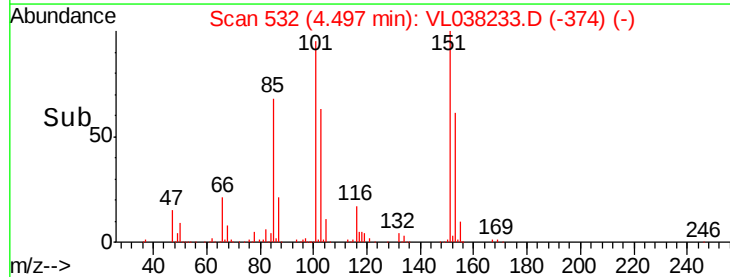
0

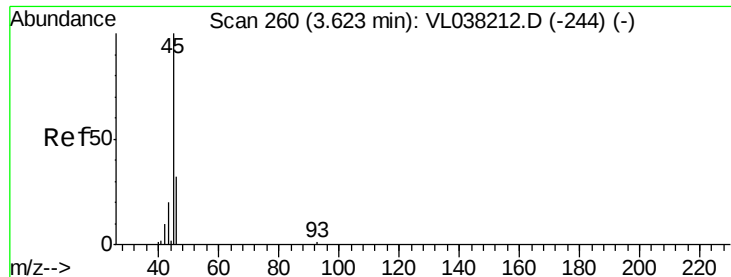
4.50

4.45

4.55

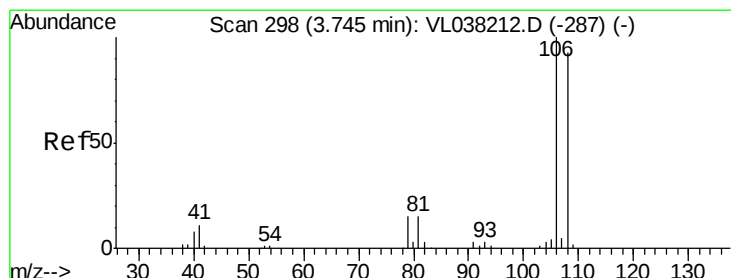
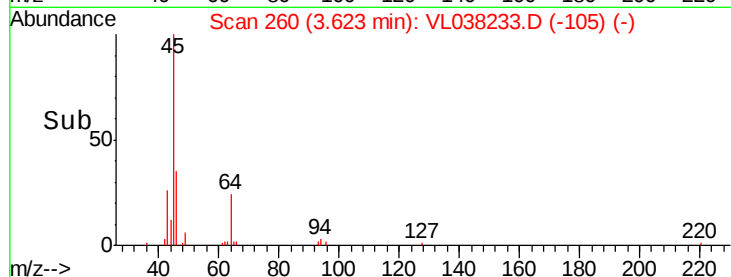
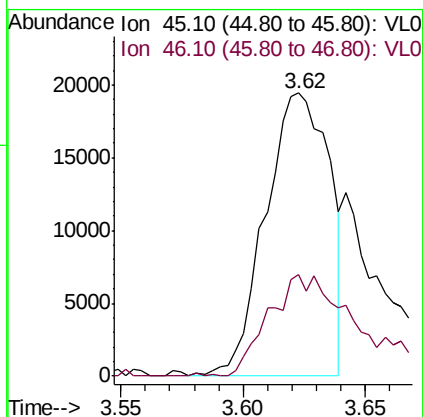
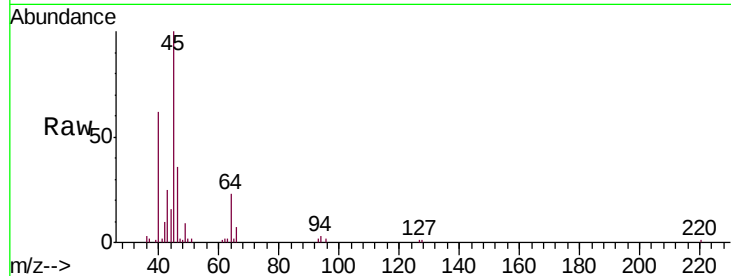
Time-->





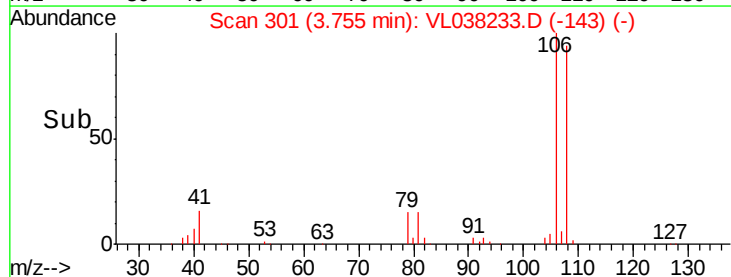
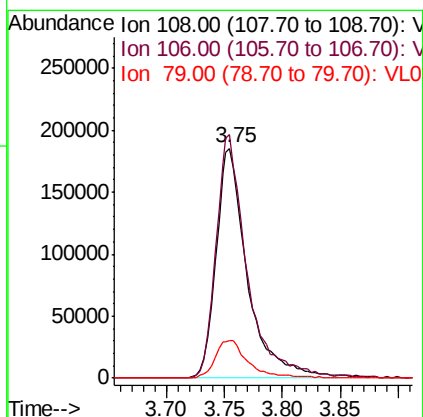
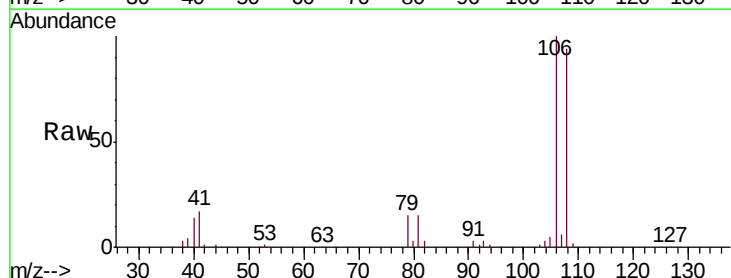
#13
 Ethanol
 Concen: 3.963 ppbv
 RT: 3.62
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 29 Dec 2021 15:14

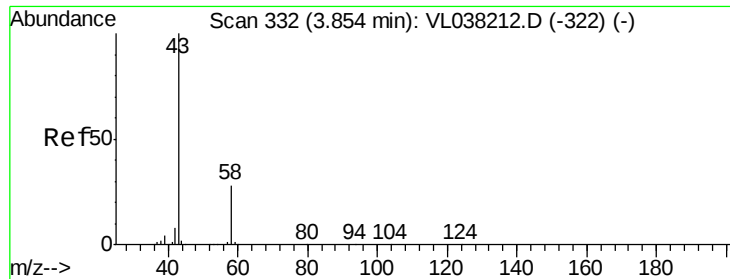
Tot Ion: 45 Resp: 35363
 Ion Ratio Lower Upper
 45 100
 46 56.0 0.0 0.0#



#14
 Bromoethene
 Concen: 9.320 ppbv
 RT: 3.75 min Scan# 301
 Delta R.T.: 0.01 min
 Lab File: VL038233.D
 Acq: 29 Dec 2021 15:14

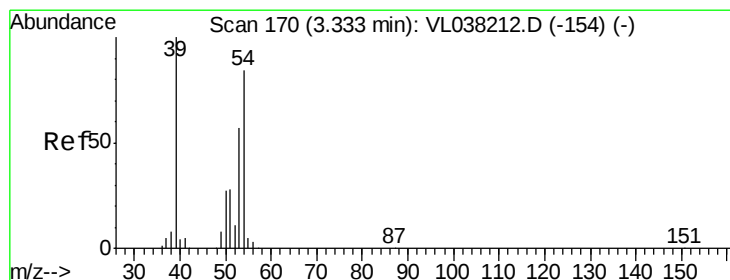
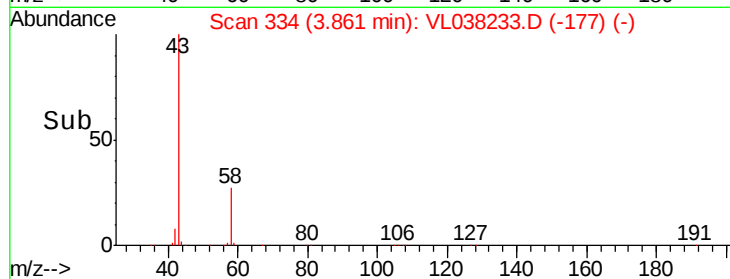
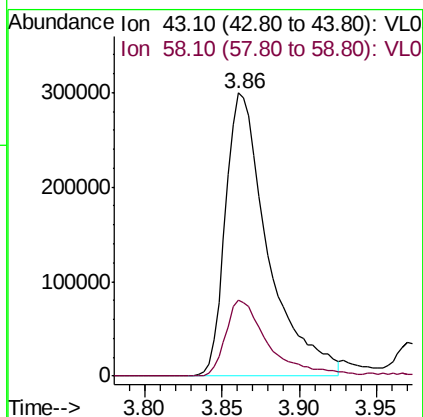
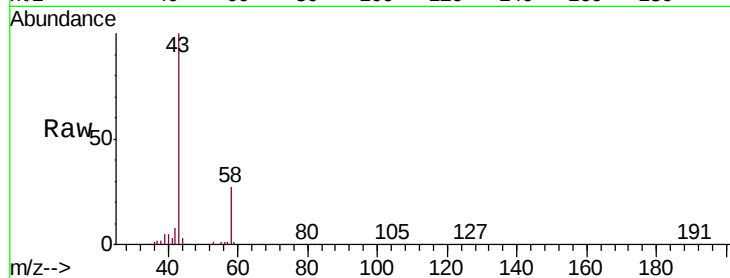
Tgt Ion: 108 Resp: 350120
 Ion Ratio Lower Upper
 108 100
 106 106.4 88.2 132.2
 79 18.0 13.7 20.5





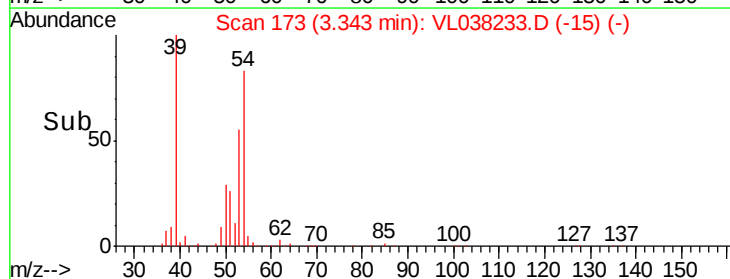
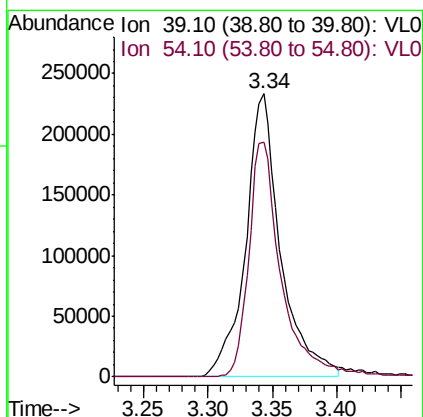
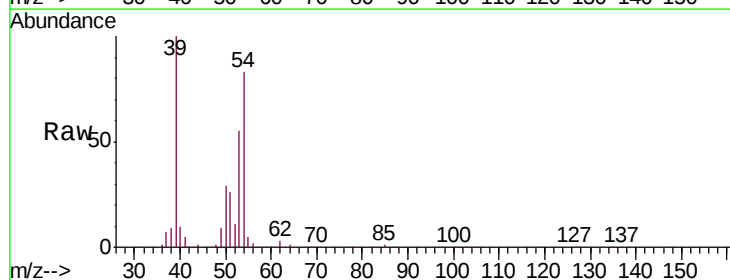
#15
Acetone
Concen: 7.864 ppbv
RT: 3.86
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 29 Dec 2021 15:14

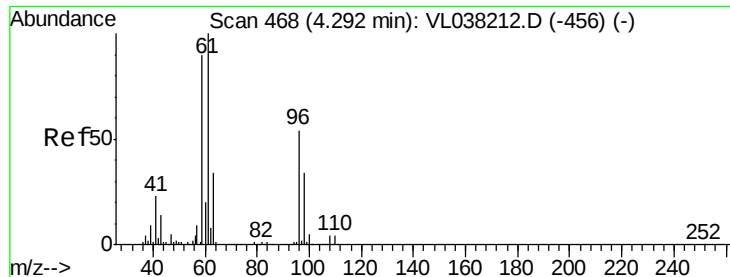
Tot Ion: 43 Resp: 569420
Ion Ratio Lower Upper
43 100
58 29.3 23.3 34.9



#16
1,3-Butadiene
Concen: 8.928 ppbv
RT: 3.34 min Scan# 173
Delta R.T. 0.01 min
Lab File: VL038233.D
Acq: 29 Dec 2021 15:14

Tgt Ion: 39 Resp: 440355
Ion Ratio Lower Upper
39 100
54 78.2 62.9 94.3





#17

tert-Butyl alcohol

Concen: 8.621 ppbv

RT: 4.30 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

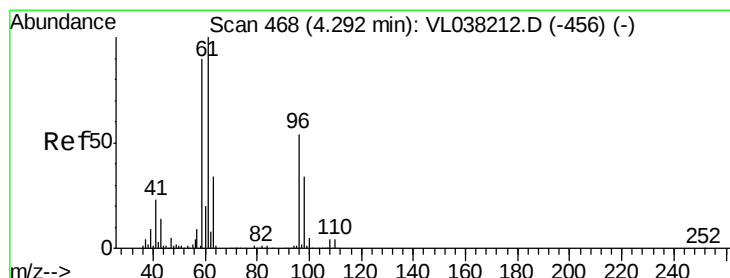
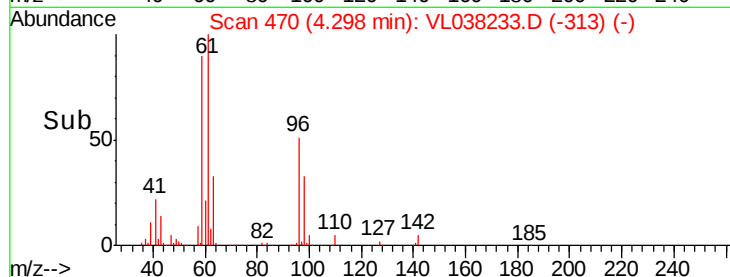
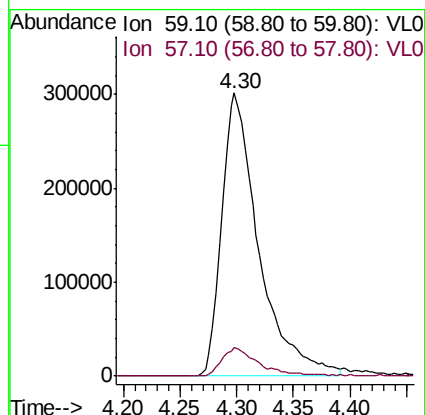
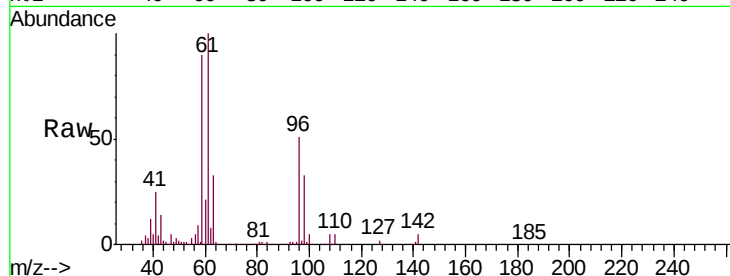
Acq: 29 Dec 2021 15:14

Tot Ion: 59 Resp: 685553

Ion Ratio Lower Upper

59 100

57 10.4 8.7 13.1



#18

1,1-Dichloroethene

Concen: 8.463 ppbv

RT: 4.30 min Scan# 471

Delta R.T. 0.01 min

Lab File: VL038233.D

Acq: 29 Dec 2021 15:14

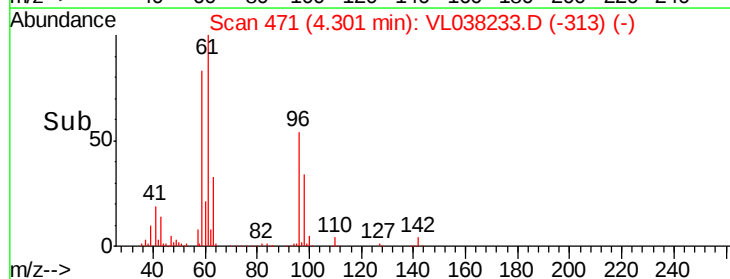
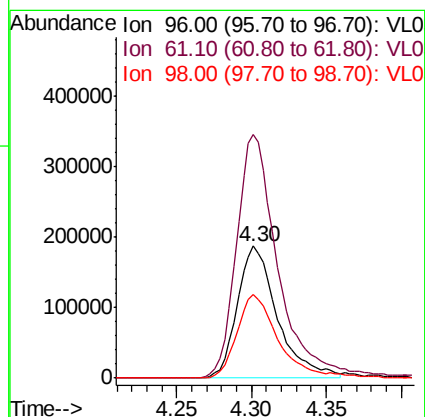
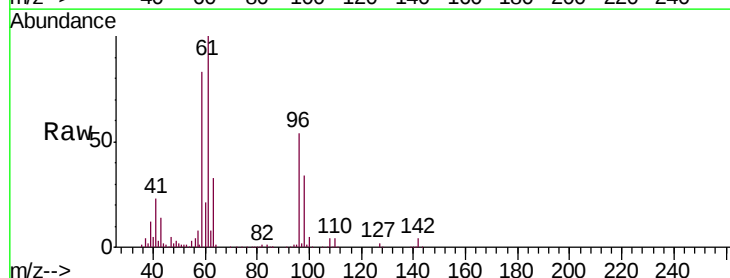
Tgt Ion: 96 Resp: 349490

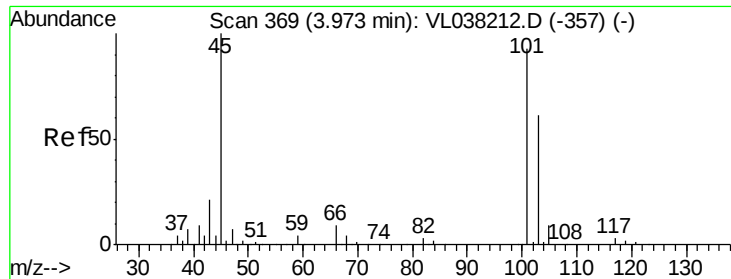
Ion Ratio Lower Upper

96 100

61 184.3 147.4 221.0

98 63.5 50.7 76.1





#19

Isopropyl Alcohol

Concen: 8.372 ppbv

RT: 3.98 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

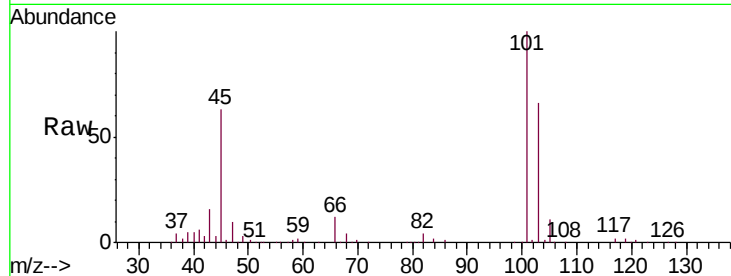
Acq: 29 Dec 2021 15:14

Tot Ion: 45 Resp: 378086

Ion Ratio Lower Upper

45 100

58 2.3 32.4 48.6#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.98

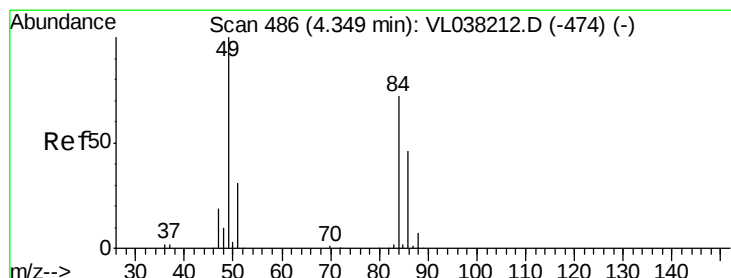
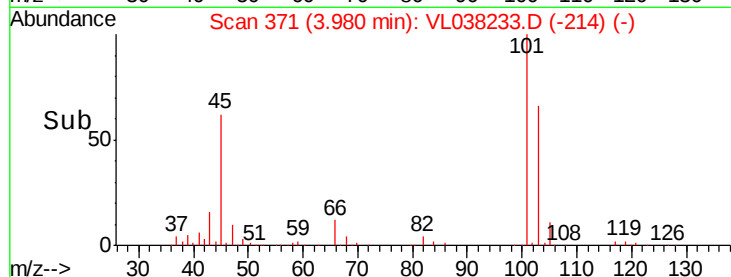
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 7.183 ppbv

RT: 4.36 min Scan# 488

Delta R.T. 0.01 min

Lab File: VL038233.D

Acq: 29 Dec 2021 15:14

Tgt Ion: 84 Resp: 293647

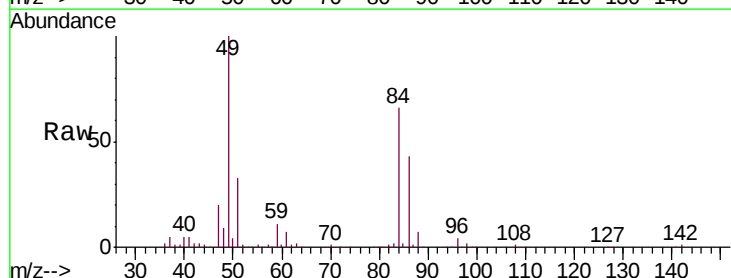
Ion Ratio Lower Upper

84 100

49 148.4 110.6 166.0

51 48.5 34.2 51.2

86 65.6 50.5 75.7



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

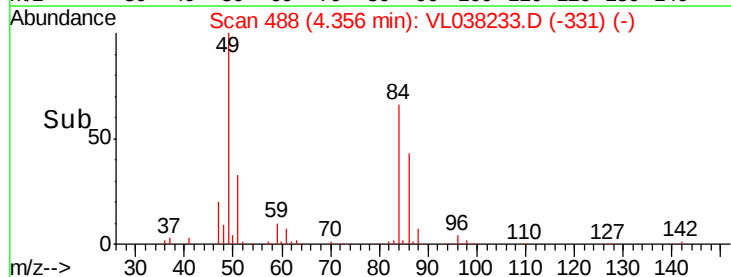
300000

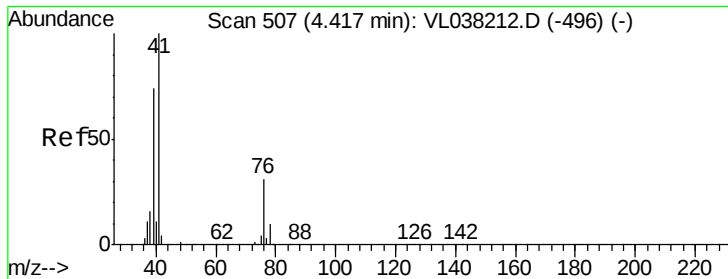
200000

100000

0

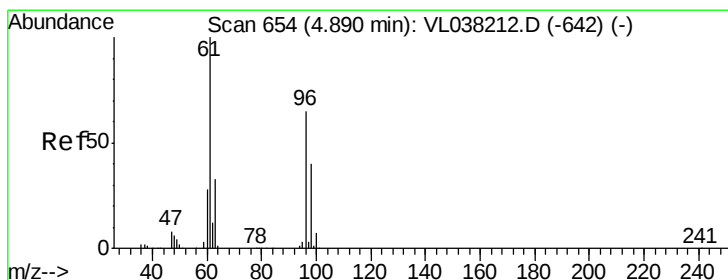
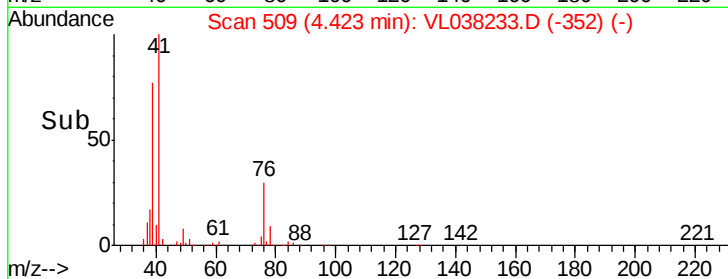
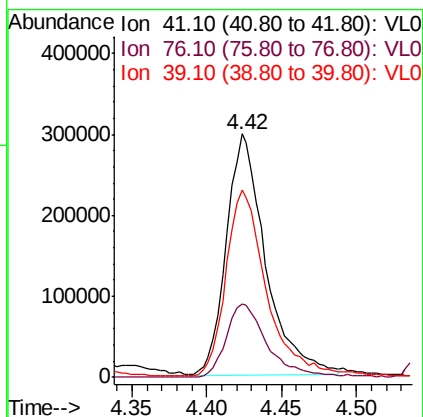
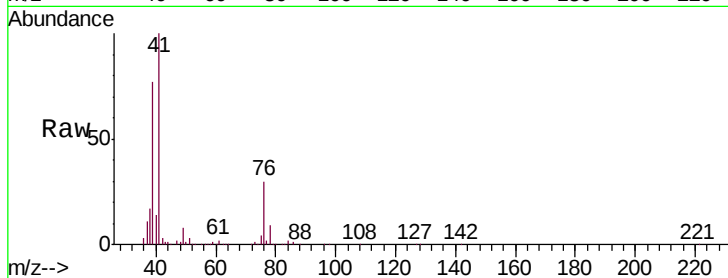
Time-->





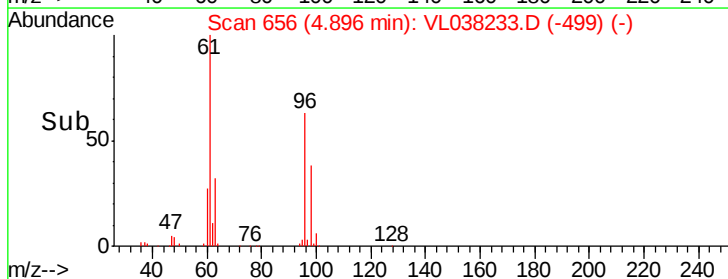
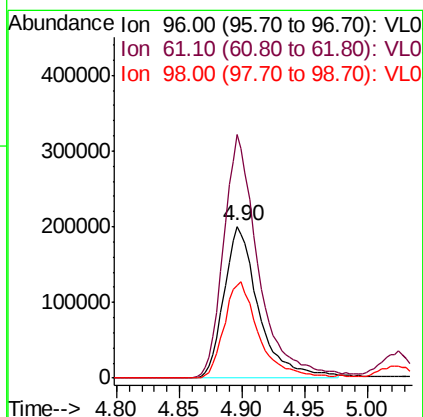
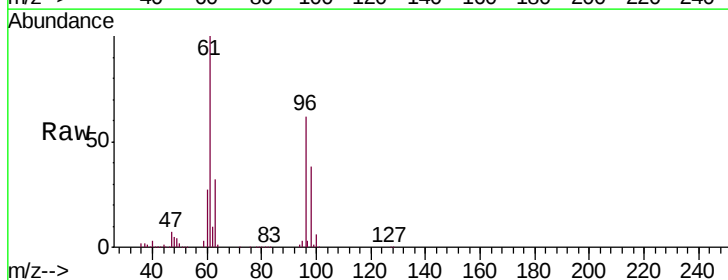
#21
Allvl Chloride
Concen: 8.874 ppbv
RT: 4.42
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 29 Dec 2021 15:14

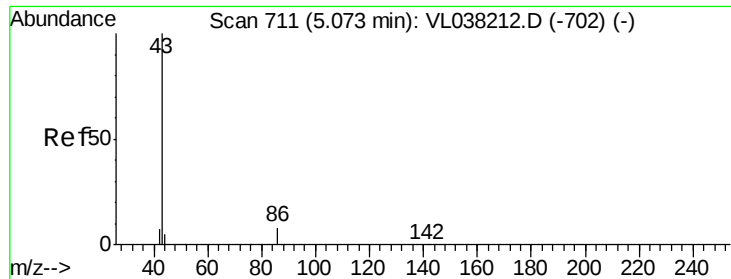
Tot Ion	Ratio	Lower	Upper
41	100		
76	32.2	25.2	37.8
39	81.2	66.1	99.1



#22
trans-1,2-Dichloroethene
Concen: 9.146 ppbv
RT: 4.90 min Scan# 656
Delta R.T. 0.01 min
Lab File: VL038233.D
Acq: 29 Dec 2021 15:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.6	123.5	185.3
98	61.2	50.0	75.0





#23

Vinyl Acetate

Concen: 8.829 ppbv

RT: 5.08 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 29 Dec 2021 15:14

Tot Ion: 43 Resp: 865527

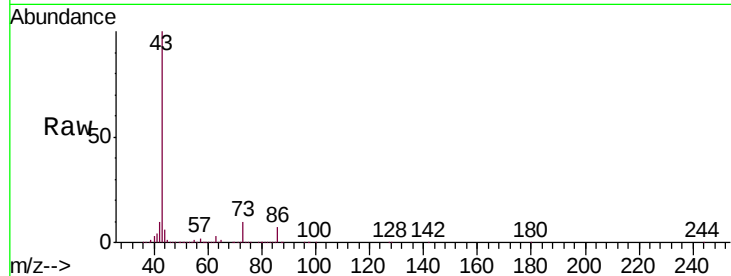
Ion Ratio Lower Upper

43 100

86 7.0 5.6 8.4

42 9.6 7.0 10.4

44 5.2 3.9 5.9

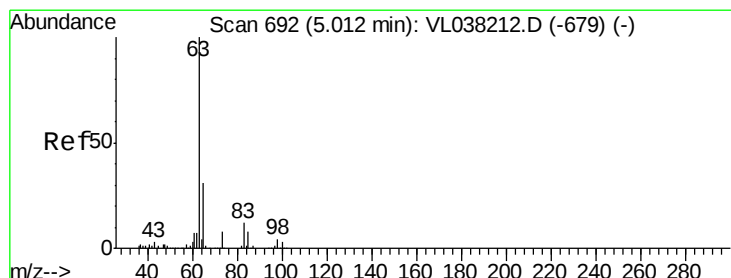
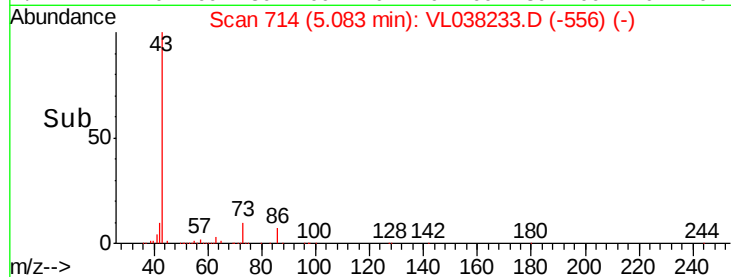
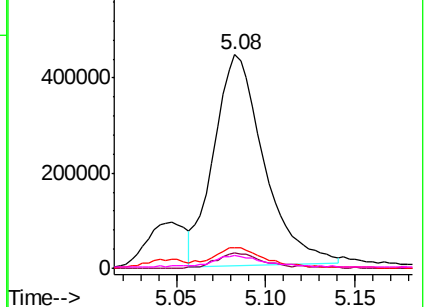


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 8.526 ppbv

RT: 5.02 min Scan# 695

Delta R.T. 0.01 min

Lab File: VL038233.D

Acq: 29 Dec 2021 15:14

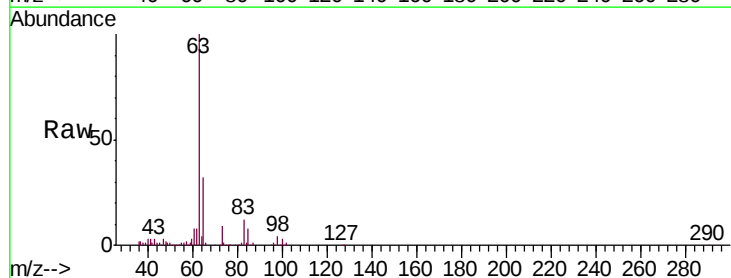
Tgt Ion: 63 Resp: 747493

Ion Ratio Lower Upper

63 100

98 4.1 2.2 6.6

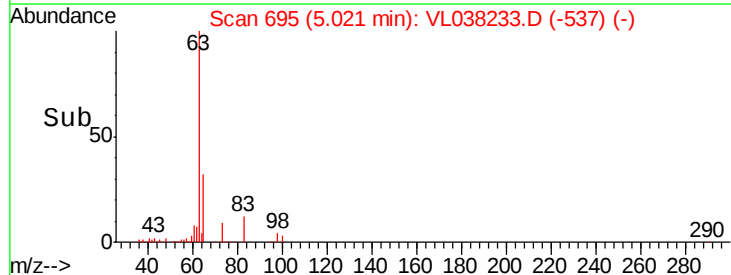
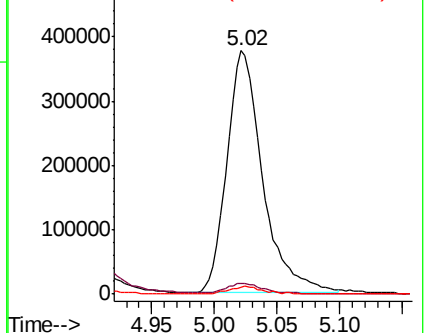
100 2.9 1.5 4.4

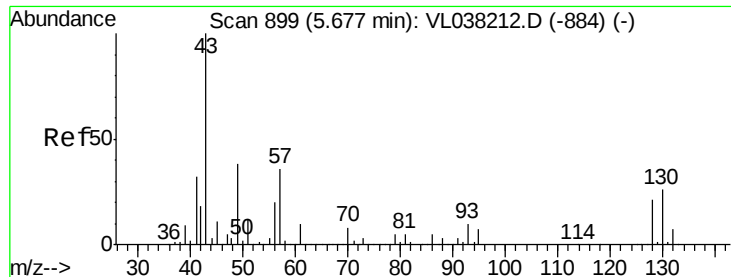


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

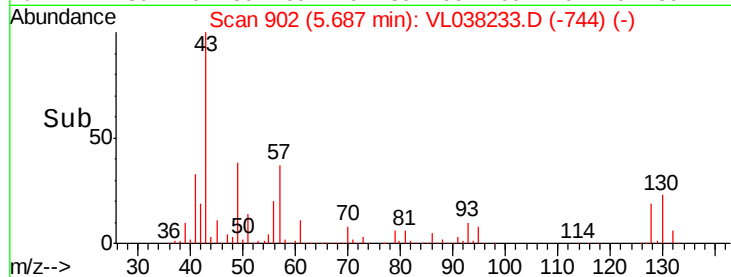
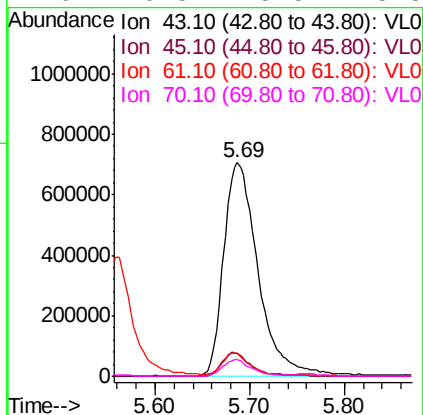
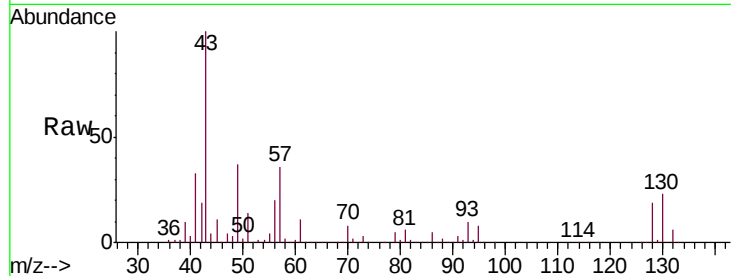
Ion 100.00 (99.70 to 100.70): VL0





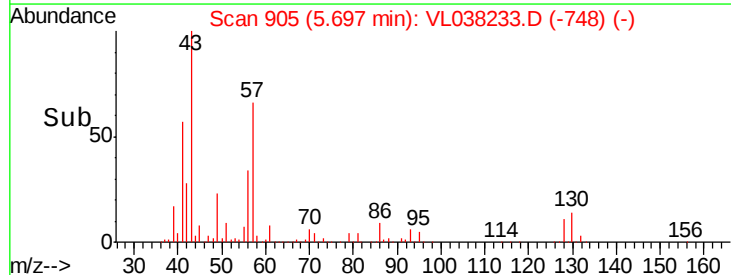
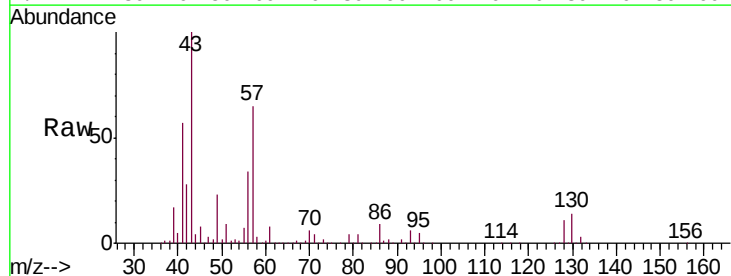
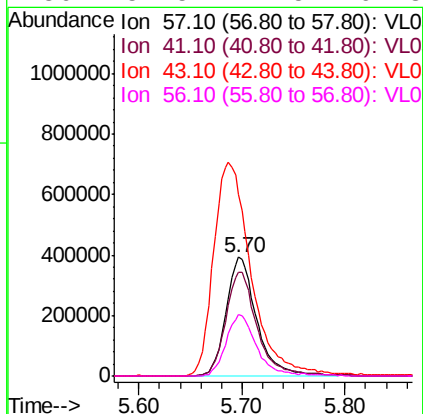
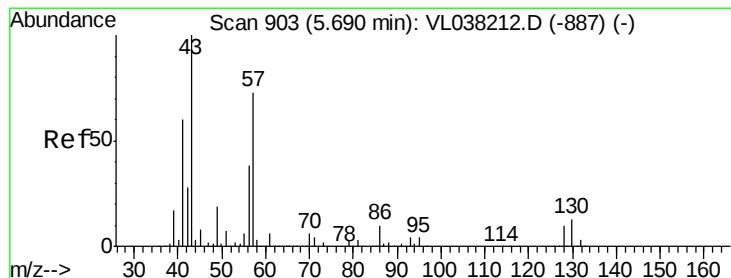
#25
Ethyl Acetate
Concen: 9.023 ppbv
RT: 5.69 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 29 Dec 2021 15:14

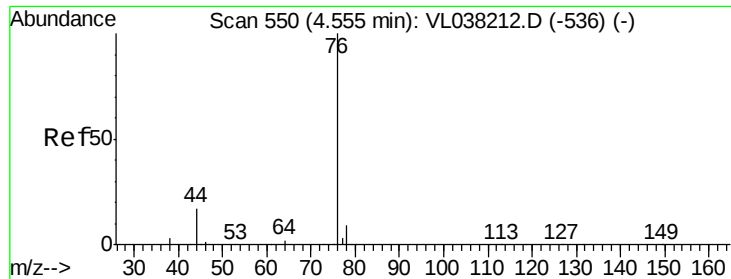
Tot Ion:	43	Resp:	1769939
Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.9	11.9
61	9.3	8.1	12.1
70	6.5	5.5	8.3



#26
Hexane
Concen: 8.233 ppbv
RT: 5.70 min Scan# 905
Delta R.T.: 0.01 min
Lab File: VL038233.D
Acq: 29 Dec 2021 15:14

Tgt Ion:	57	Resp:	810315
Ion	Ratio	Lower	Upper
57	100		
41	90.4	69.0	103.6
43	221.0	171.2	256.8
56	52.5	41.5	62.3





#27

Carbon Disulfide

Concen: 11.239 ppbv

RT: 4.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 29 Dec 2021 15:14

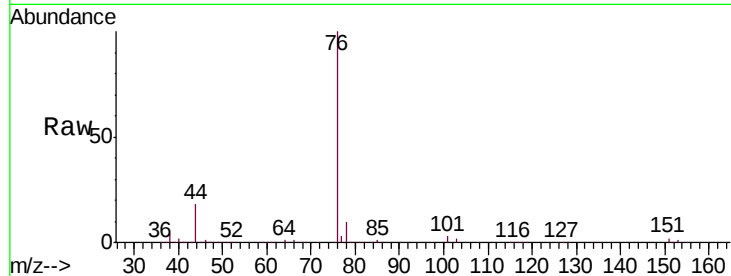
Tot Ion: 76 Resp: 973672

Ion Ratio Lower Upper

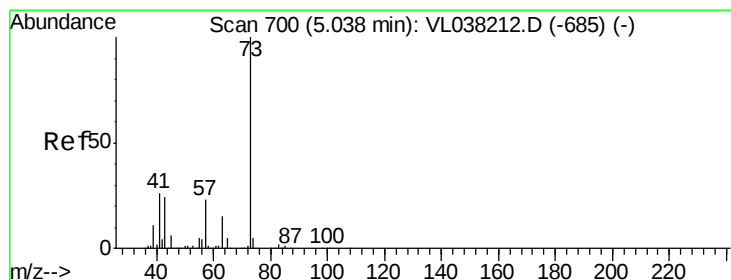
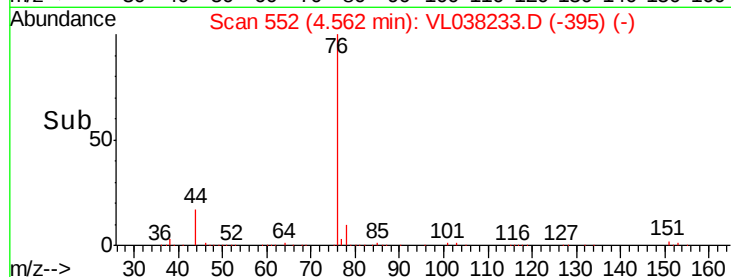
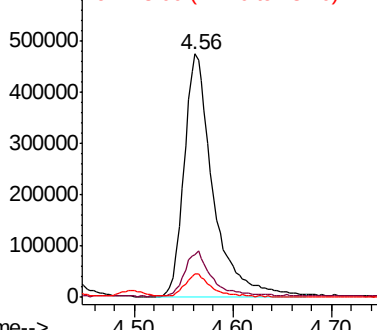
76 100

44 17.4 14.2 21.4

78 9.6 7.7 11.5



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 7.962 ppbv

RT: 5.04 min Scan# 702

Delta R.T. 0.01 min

Lab File: VL038233.D

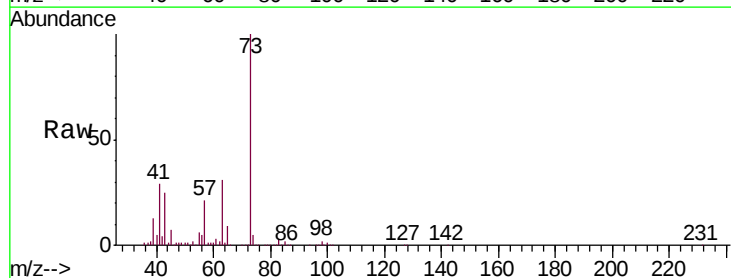
Acq: 29 Dec 2021 15:14

Tgt Ion: 73 Resp: 787460

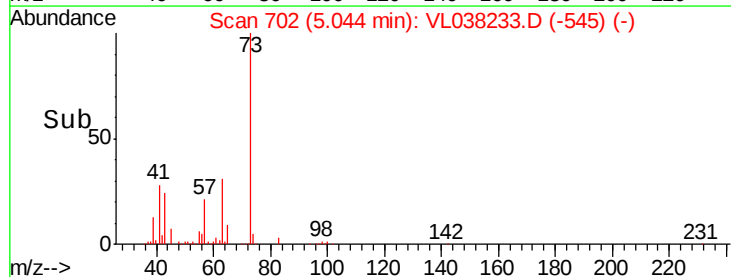
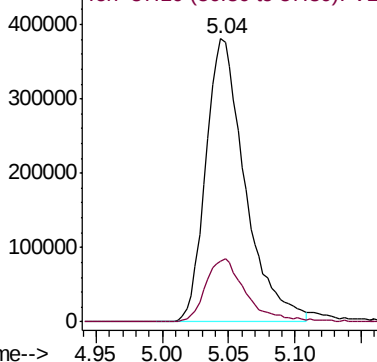
Ion Ratio Lower Upper

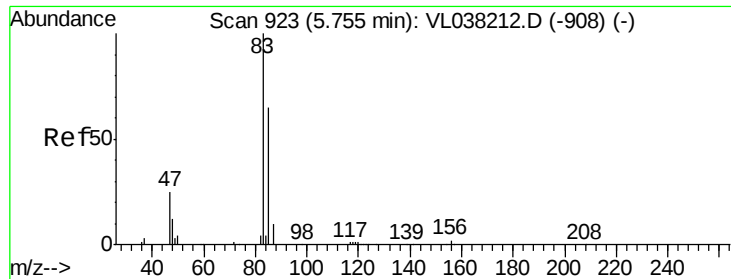
73 100

57 23.5 18.8 28.2



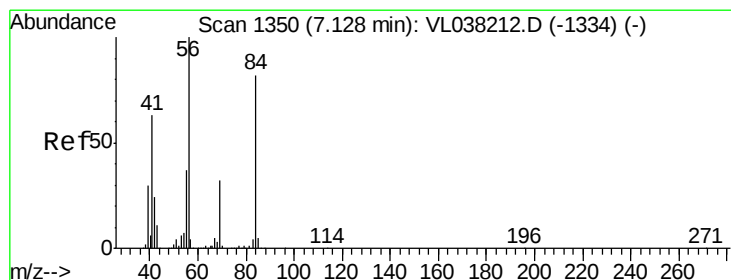
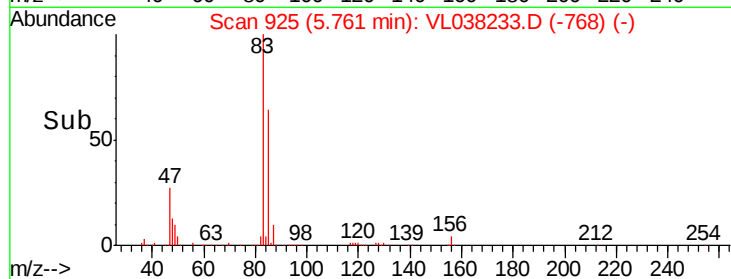
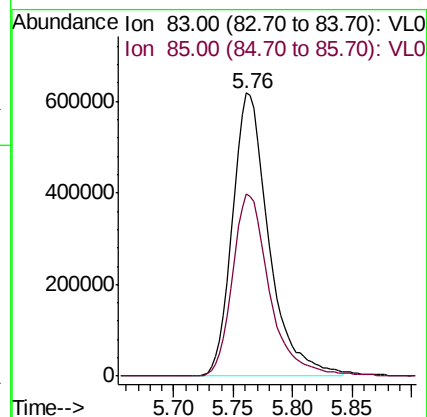
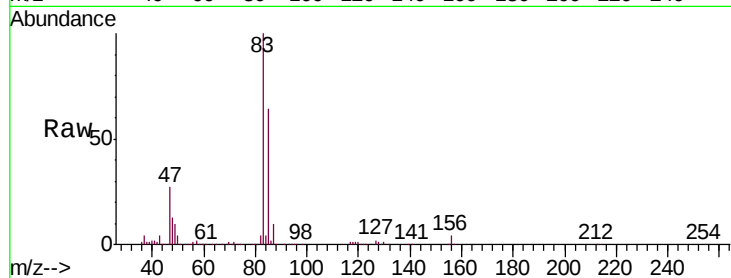
Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





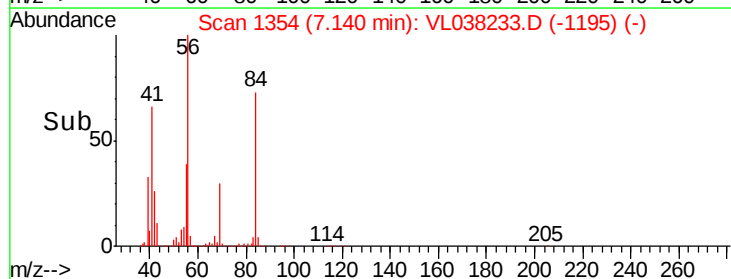
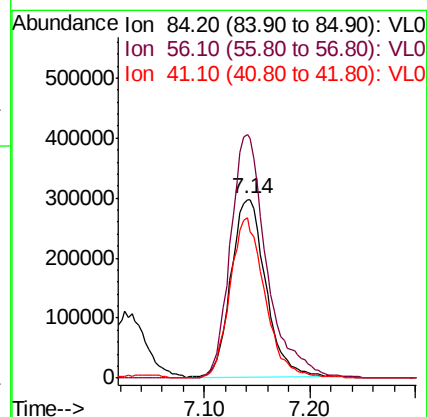
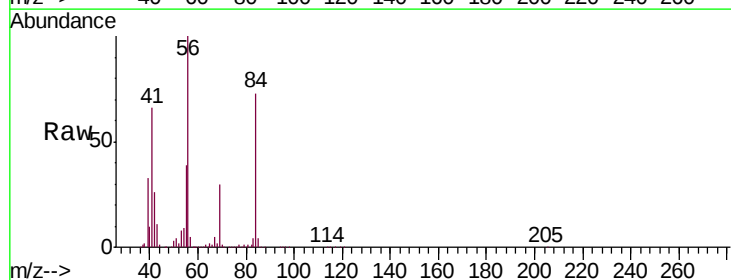
#29
Chloroform
Concen: 8.980 ppbv
RT: 5.76
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
Acq: 29 Dec 2021 15:14

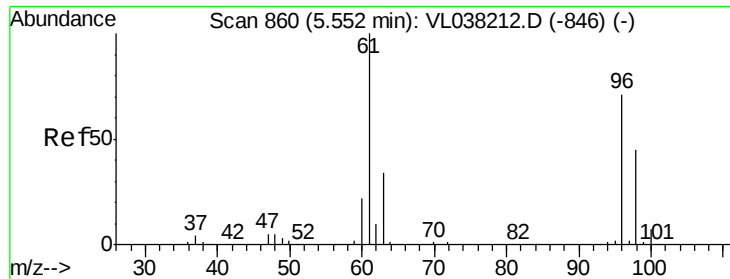
Tot Ion: 83 Resp: 1311560
Ion Ratio Lower Upper
83 100
85 64.1 52.2 78.4



#30
Cyclohexane
Concen: 7.809 ppbv
RT: 7.14 min Scan# 1354
Delta R.T.: 0.01 min
Lab File: VL038233.D
Acq: 29 Dec 2021 15:14

Tgt Ion: 84 Resp: 680740
Ion Ratio Lower Upper
84 100
56 142.7 105.2 157.8
41 90.2 63.2 94.8





#31

cis-1,2-Dichloroethene

Concen: 10.404 ppbv

RT: 5.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 29 Dec 2021 15:14

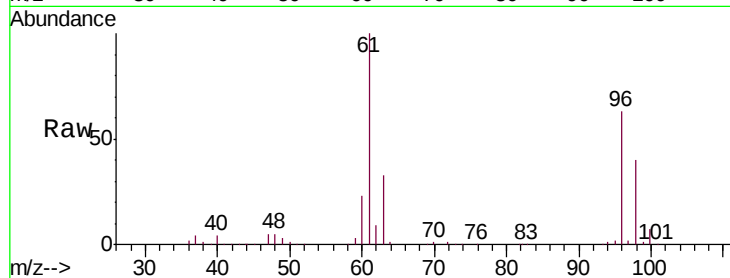
Tot Ion: 61 Resp: 803047

Ion Ratio Lower Upper

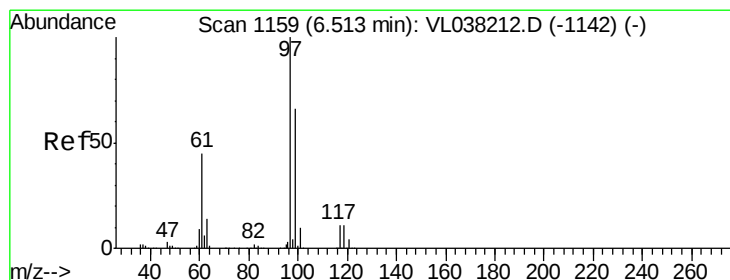
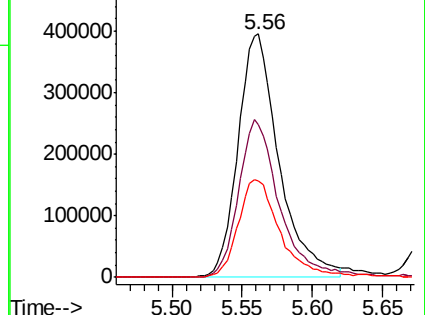
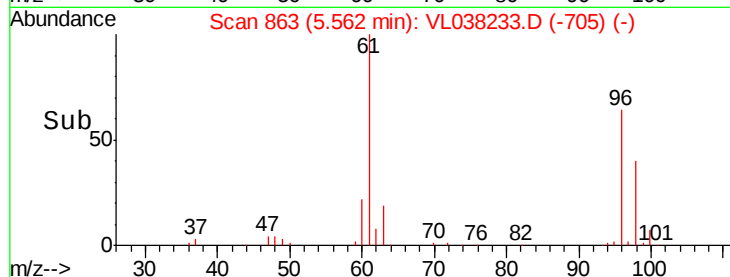
61 100

96 63.1 56.6 84.8

98 39.9 36.3 54.5



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



#32

1,1,1-Trichloroethane

Concen: 9.175 ppbv

RT: 6.52 min Scan# 1162

Delta R.T. 0.01 min

Lab File: VL038233.D

Acq: 29 Dec 2021 15:14

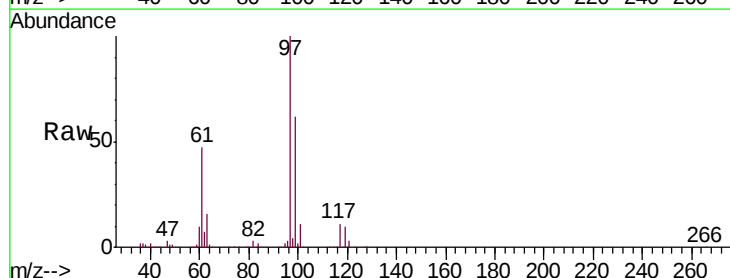
Tgt Ion: 97 Resp: 1329562

Ion Ratio Lower Upper

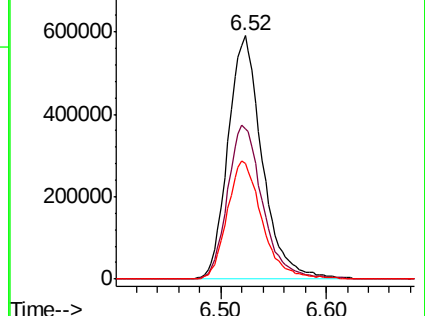
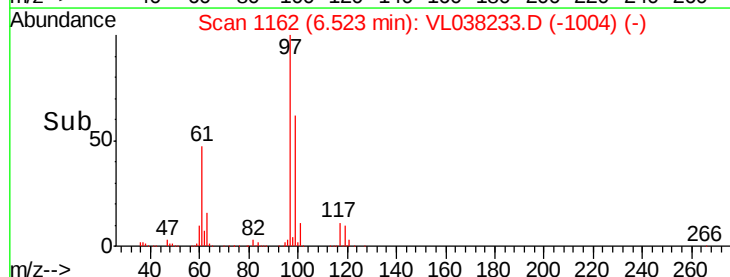
97 100

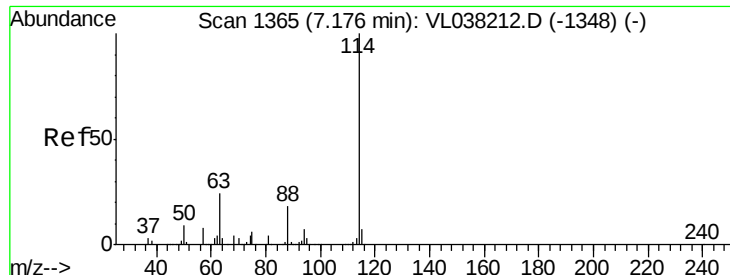
99 65.0 52.4 78.6

61 49.9 37.2 55.8



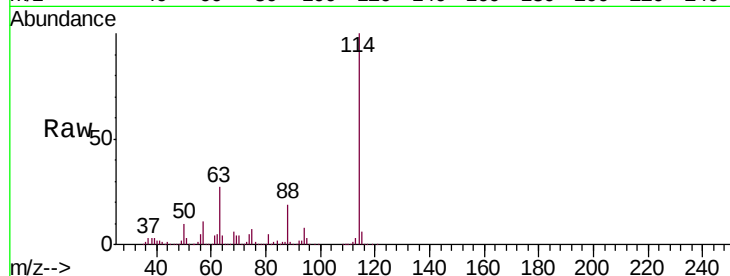
Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0



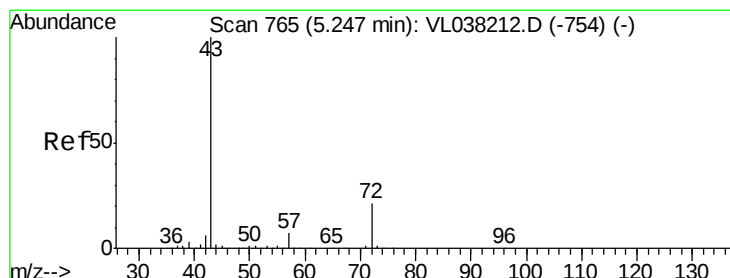
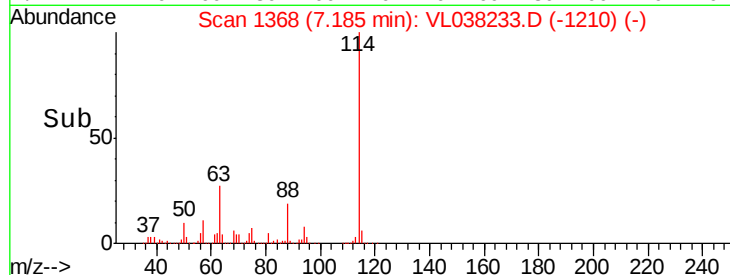
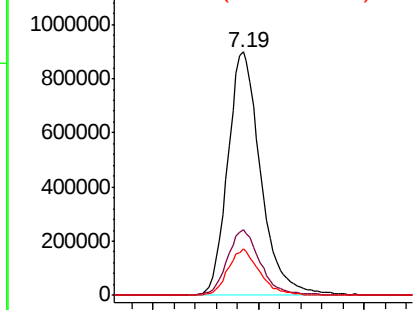


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 29 Dec 2021 15:14

Tot Ion:114 Resp: 1943044
 Ion Ratio Lower Upper
 114 100
 63 27.3 19.7 29.5
 88 18.5 14.3 21.5

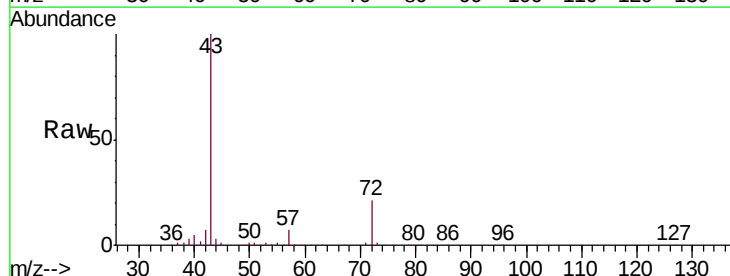


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

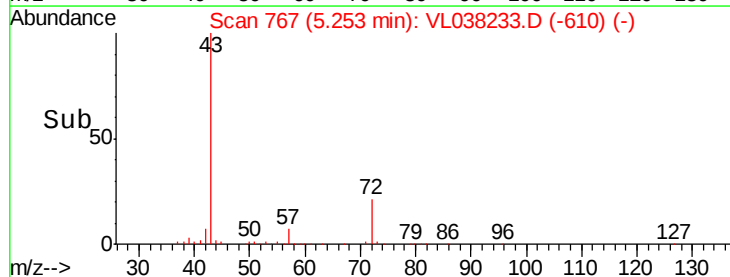
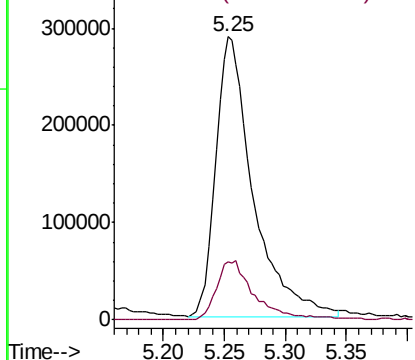


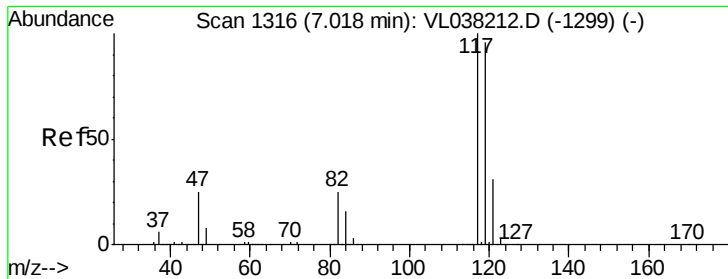
#34
 2-Butanone
 Concen: 10.582 ppbv
 RT: 5.25 min Scan# 767
 Delta R.T. 0.01 min
 Lab File: VL038233.D
 Acq: 29 Dec 2021 15:14

Tgt Ion: 43 Resp: 618009
 Ion Ratio Lower Upper
 43 100
 72 21.8 18.3 27.5



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





#35

Carbon Tetrachloride

Concen: 11.633 ppbv

RT: 7.03 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 29 Dec 2021 15:14

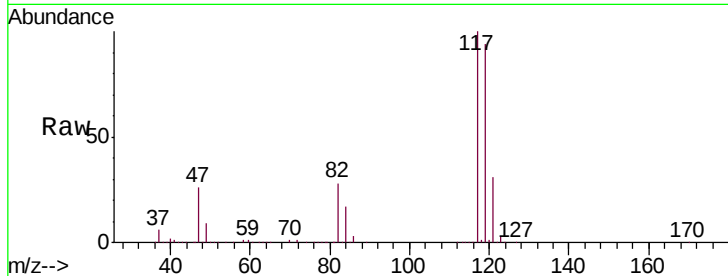
Tot Ion:117 Resp: 1395274

Ion Ratio Lower Upper

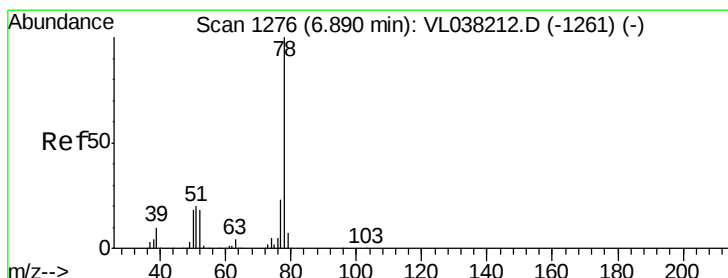
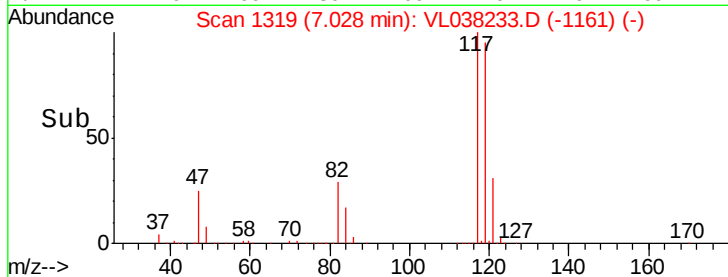
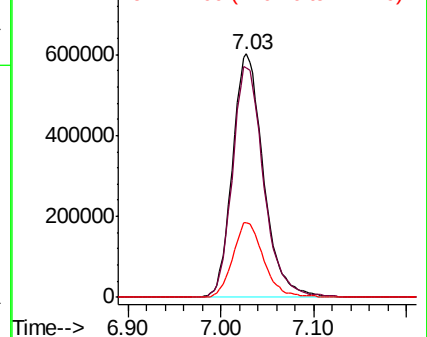
117 100

119 94.5 76.7 115.1

121 30.7 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: 9.374 ppbv

RT: 6.90 min Scan# 1280

Delta R.T. 0.01 min

Lab File: VL038233.D

Acq: 29 Dec 2021 15:14

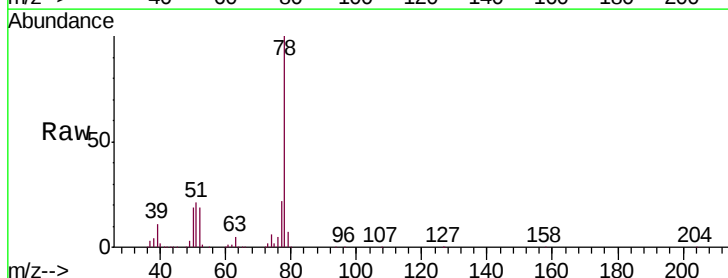
Tgt Ion: 78 Resp: 1698878

Ion Ratio Lower Upper

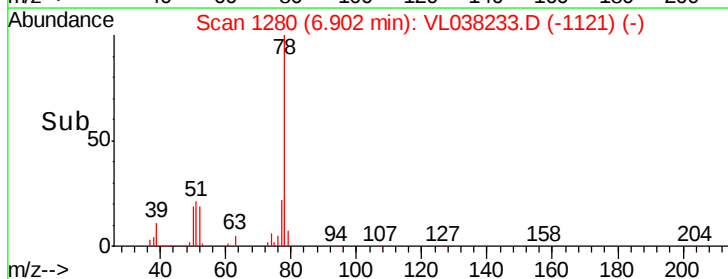
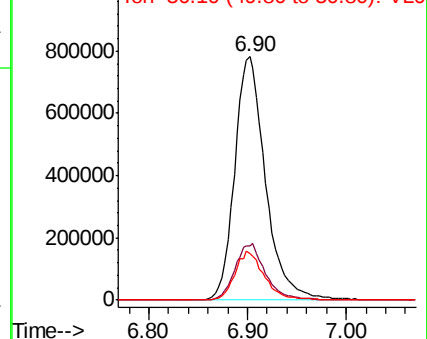
78 100

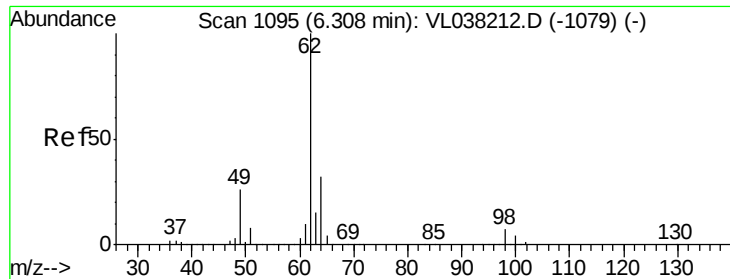
77 22.4 18.2 27.4

50 19.0 14.3 21.5



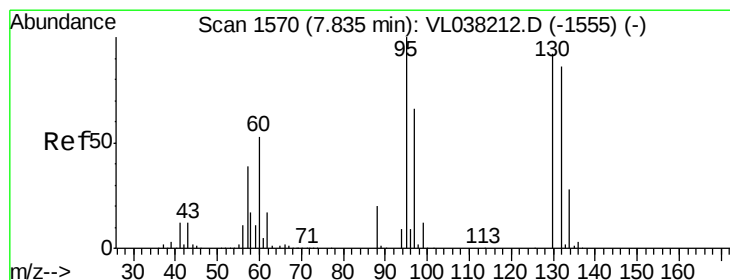
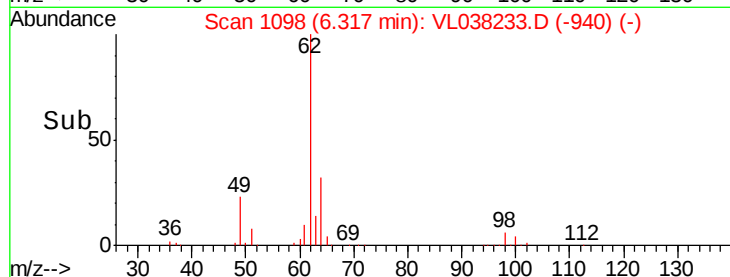
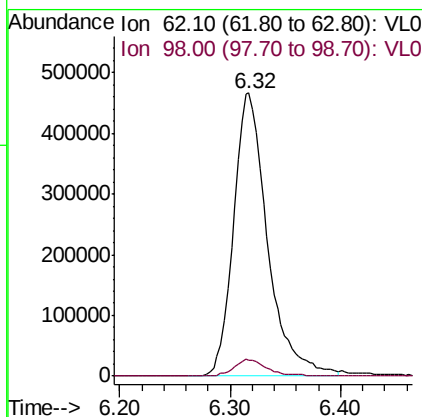
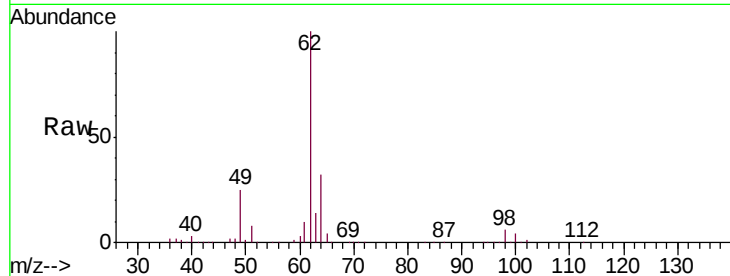
Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





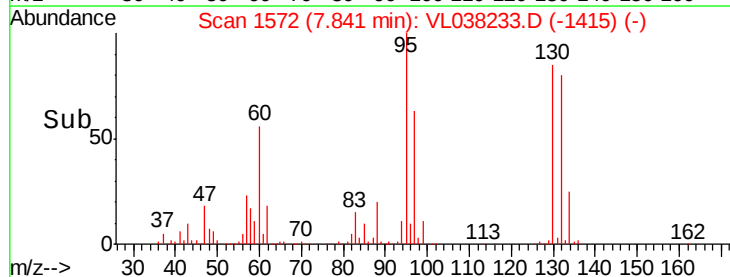
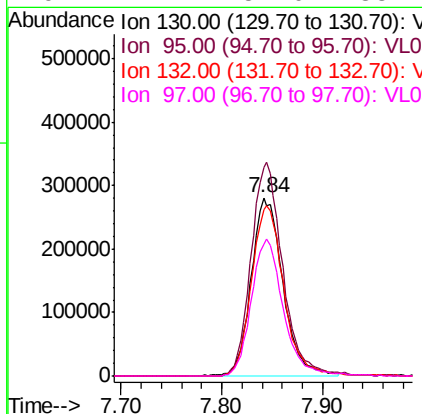
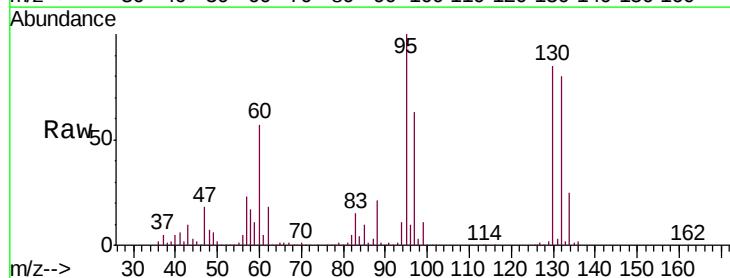
#37
 1,2-Dichloroethane
 Concen: 10.944 ppbv
 RT: 6.32
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 29 Dec 2021 15:14

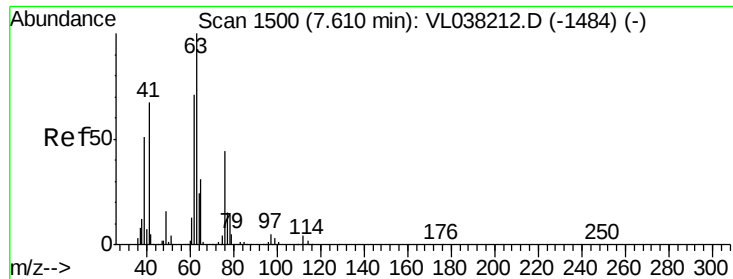
Tot Ion: 62 Resp: 995223
 Ion Ratio Lower Upper
 62 100
 98 6.0 5.5 8.3



#38
 Trichloroethene
 Concen: 8.870 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T.: 0.01 min
 Lab File: VL038233.D
 Acq: 29 Dec 2021 15:14

Tgt Ion: 130 Resp: 611792
 Ion Ratio Lower Upper
 130 100
 95 117.4 87.0 130.4
 132 93.9 75.1 112.7
 97 74.4 57.0 85.4





#39

1,2-Dichloropropane

Concen: 9.533 ppbv

RT: 7.62 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 29 Dec 2021 15:14

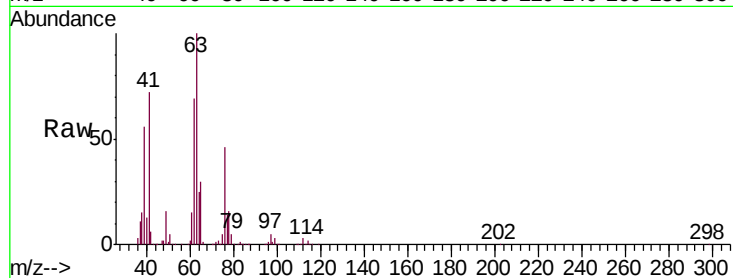
Tot Ion: 63 Resp: 664944

Ion Ratio Lower Upper

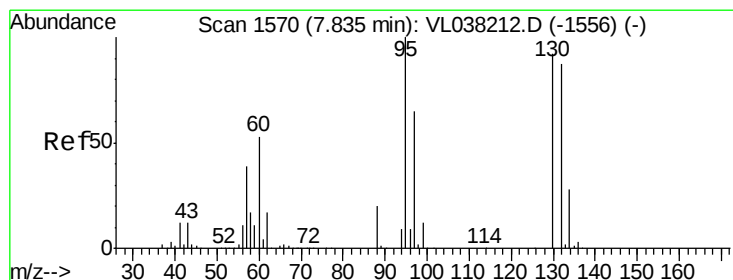
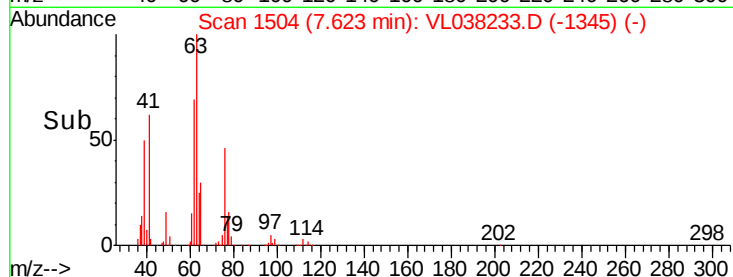
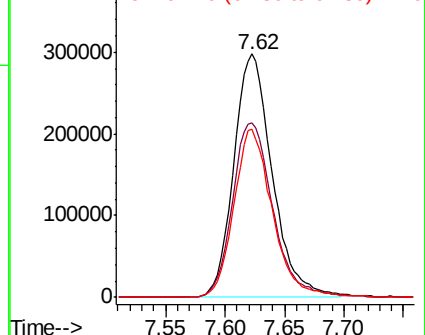
63 100

41 71.8 53.4 80.2

62 68.7 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: 4.116 ppbv

RT: 7.84 min Scan# 1572

Delta R.T. 0.01 min

Lab File: VL038233.D

Acq: 29 Dec 2021 15:14

Tgt Ion: 88 Resp: 83526

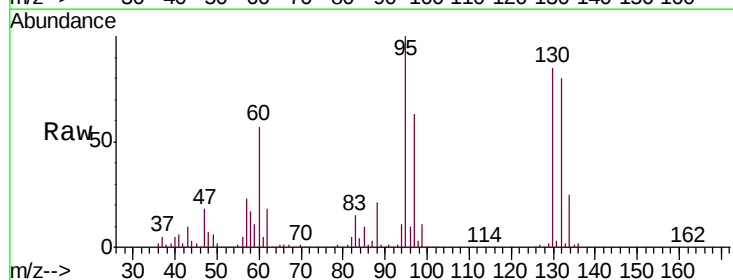
Ion Ratio Lower Upper

88 100

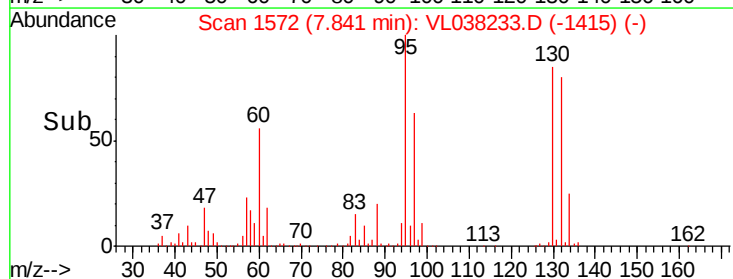
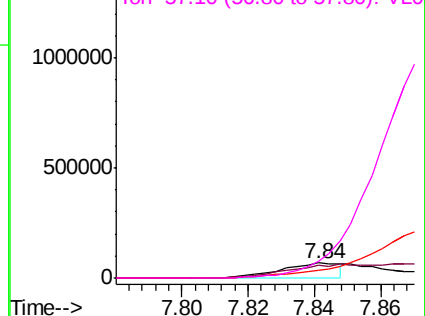
58 0.0 127.8 191.8#

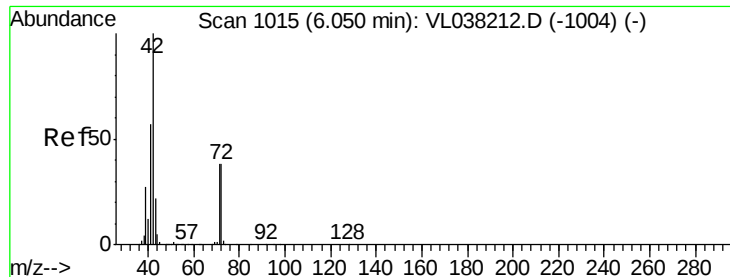
43 0.0 301.0 451.6#

57 0.0 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: 10.165 ppbv

RT: 6.06 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 29 Dec 2021 15:14

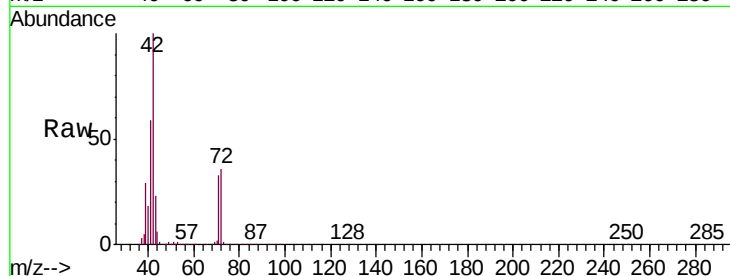
Tot Ion: 42 Resp: 434806

Ion Ratio Lower Upper

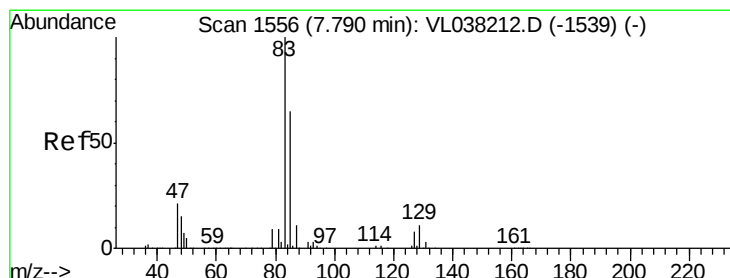
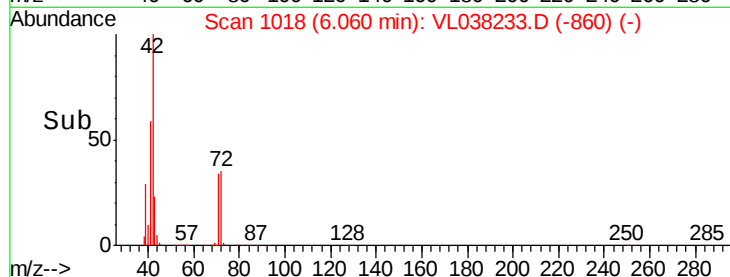
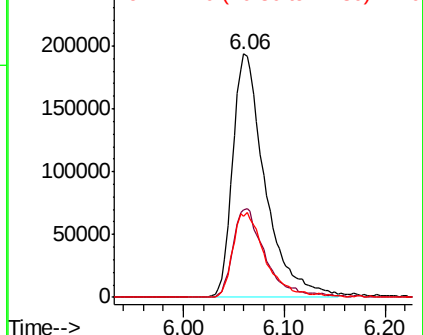
42 100

72 36.8 31.4 47.0

71 35.6 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: 11.367 ppbv

RT: 7.80 min Scan# 1559

Delta R.T. 0.01 min

Lab File: VL038233.D

Acq: 29 Dec 2021 15:14

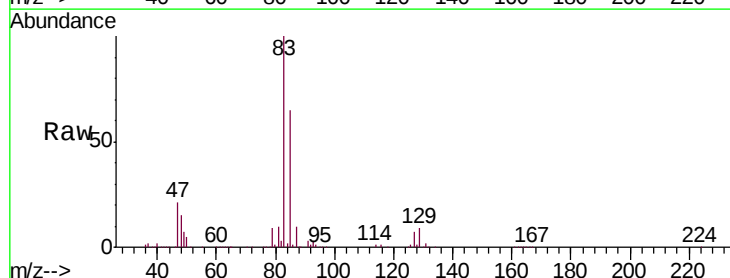
Tgt Ion: 83 Resp: 1470854

Ion Ratio Lower Upper

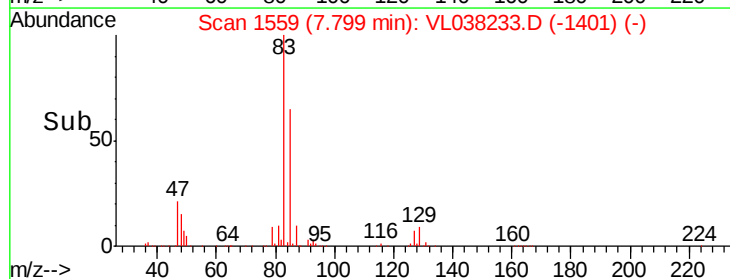
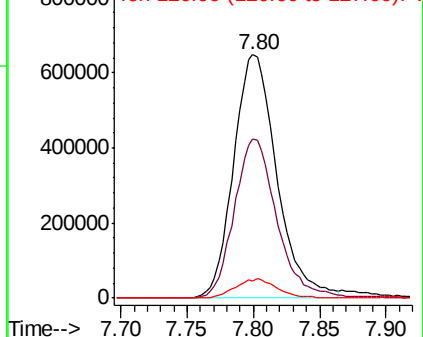
83 100

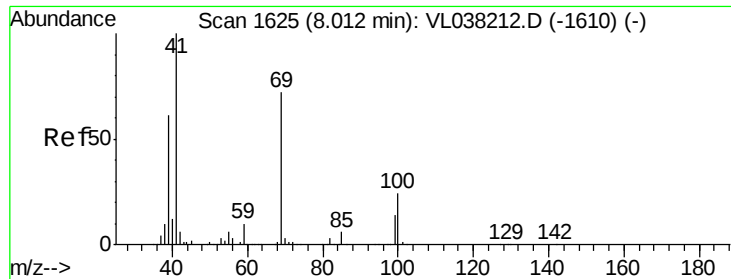
85 65.3 52.0 78.0

127 7.1 6.1 9.1



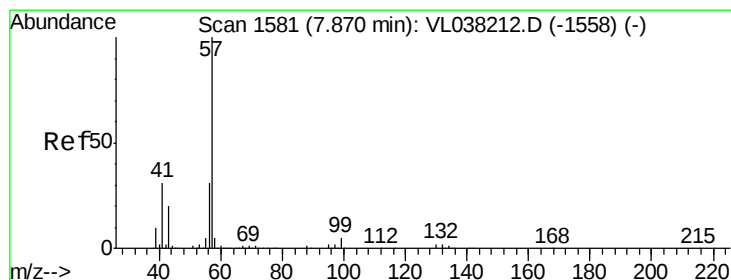
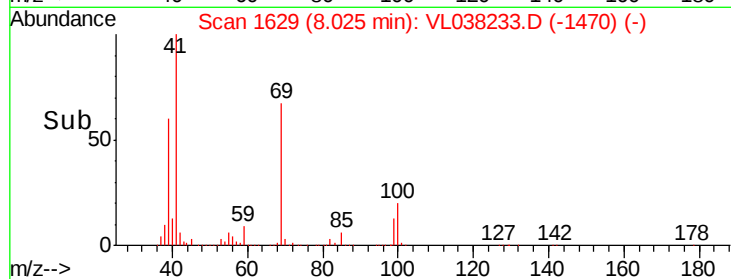
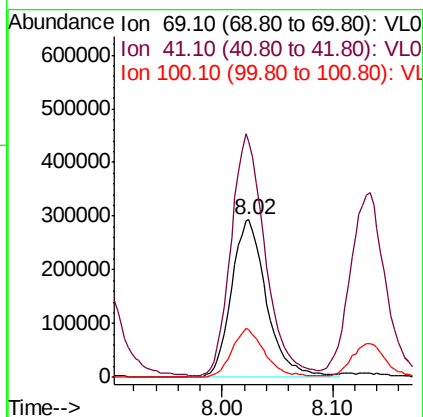
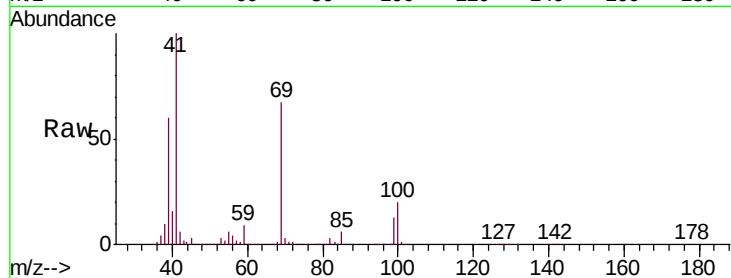
Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V





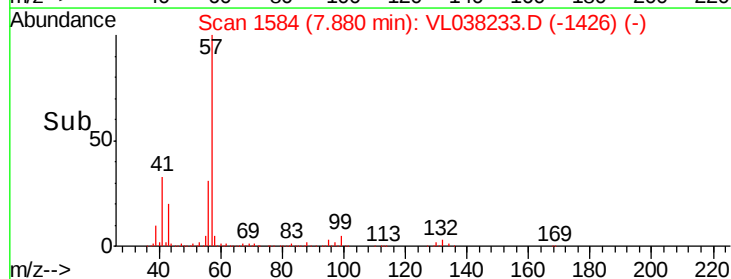
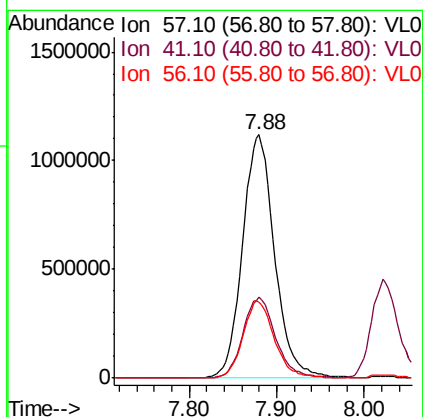
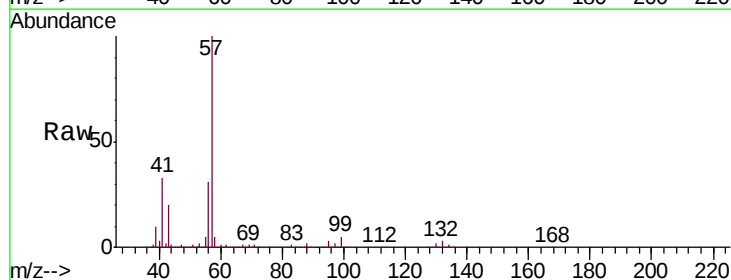
#43
Methyl Methacrylate
Concen: 10.350 ppbv
RT: 8.02
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 29 Dec 2021 15:14

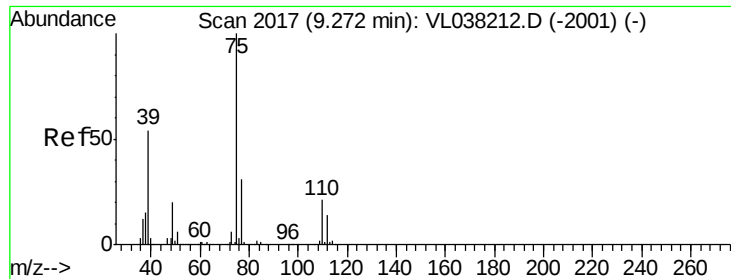
Tot Ion: 69 Resp: 645553
Ion Ratio Lower Upper
69 100
41 150.9 116.0 174.0
100 29.4 26.6 39.8



#44
2,2,4-Trimethylpentane
Concen: 9.254 ppbv
RT: 7.88 min Scan# 1584
Delta R.T. 0.01 min
Lab File: VL038233.D
Acq: 29 Dec 2021 15:14

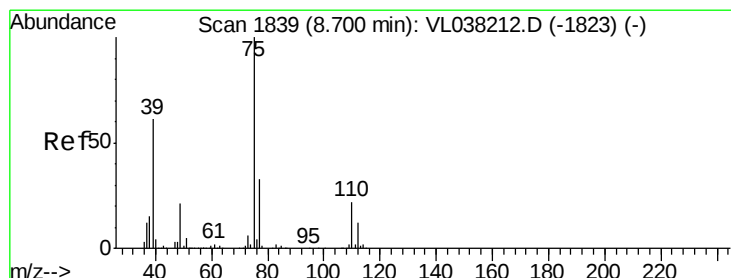
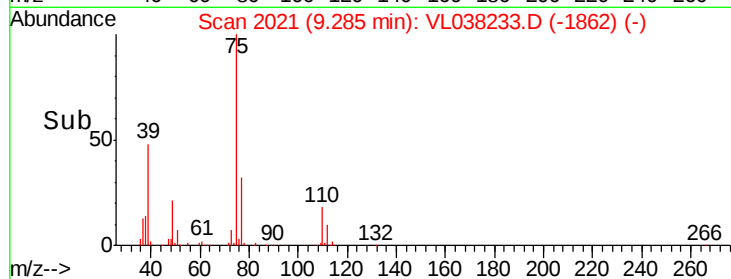
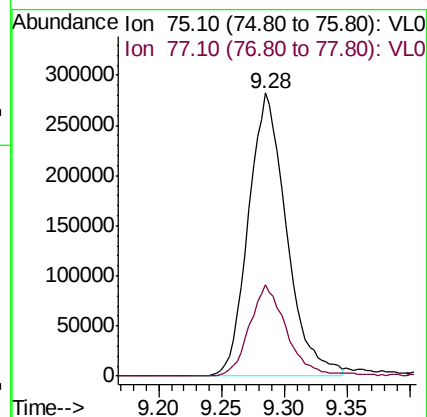
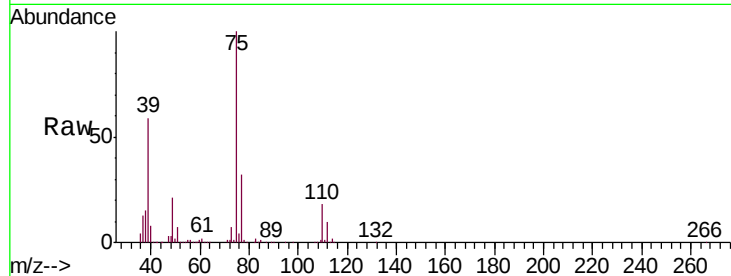
Tgt Ion: 57 Resp: 2848990
Ion Ratio Lower Upper
57 100
41 33.7 24.9 37.3
56 31.1 24.8 37.2





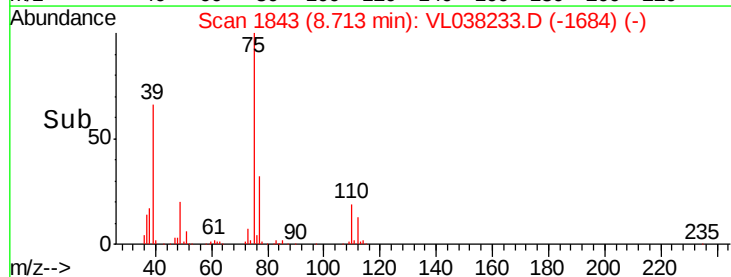
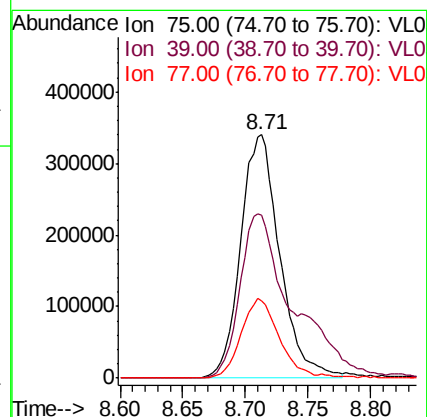
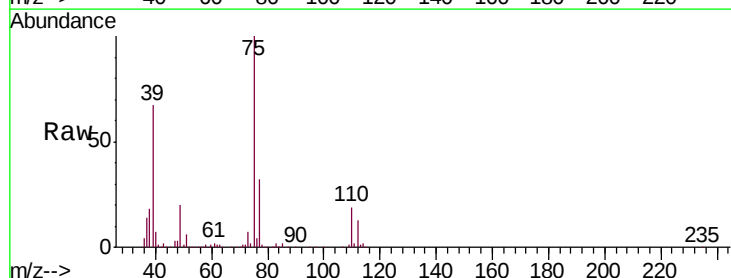
#45
 t-1,3-Dichloropropene
 Concen: 12.962 ppbv
 RT: 9.28 Instrument : MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 29 Dec 2021 15:14

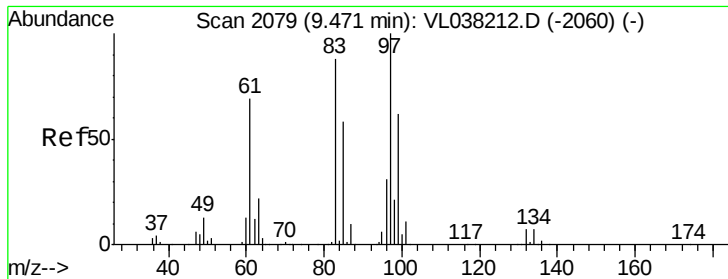
Tot Ion: 75 Resp: 598337
 Ion Ratio Lower Upper
 75 100
 77 32.4 24.7 37.1



#46
 cis-1,3-Dichloropropene
 Concen: 11.540 ppbv
 RT: 8.71 min Scan# 1843
 Delta R.T. 0.01 min
 Lab File: VL038233.D
 Acq: 29 Dec 2021 15:14

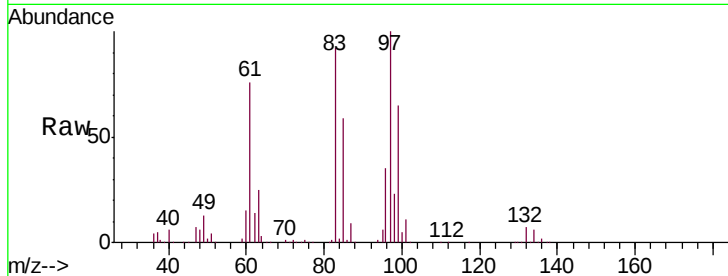
Tgt Ion: 75 Resp: 737351
 Ion Ratio Lower Upper
 75 100
 39 66.7 48.9 73.3
 77 31.7 26.2 39.2





#47
 1,1,2-Trichloroethane
 Concen: 9.115 ppbv
 RT: 9.48
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 29 Dec 2021 15:14

Tot Ion	97	Resp	659912
Ion Ratio	Lower	Upper	
97	100		
83	92.4	70.2	105.2
85	59.1	46.1	69.1
99	65.3	49.8	74.6



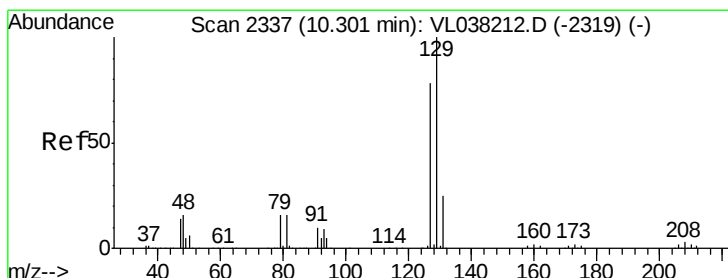
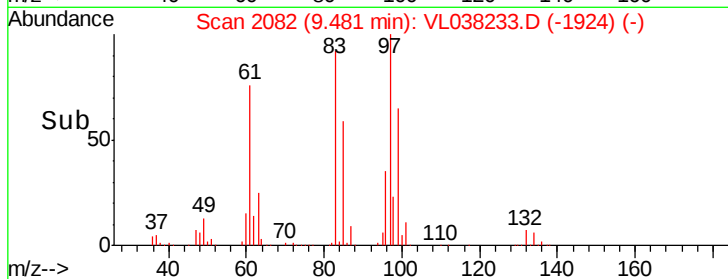
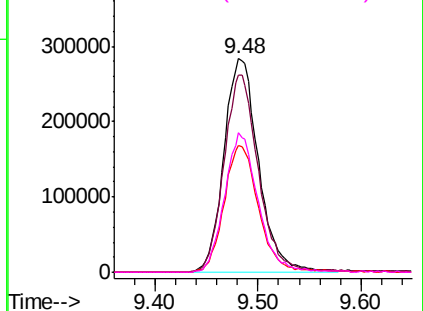
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

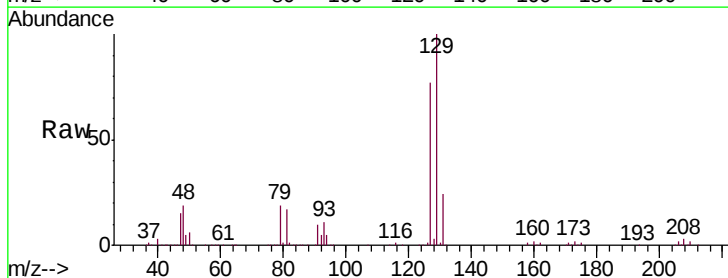
Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48
 Dibromochloromethane
 Concen: 11.445 ppbv
 RT: 10.31 min Scan# 2340
 Delta R.T.: 0.01 min
 Lab File: VL038233.D
 Acq: 29 Dec 2021 15:14

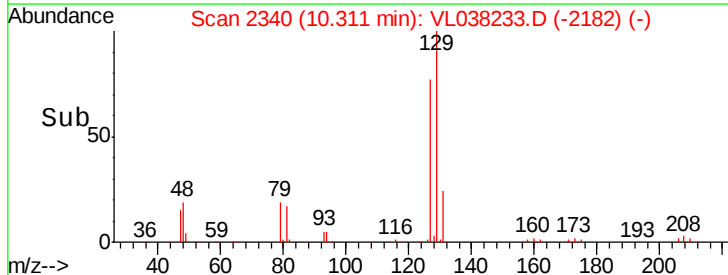
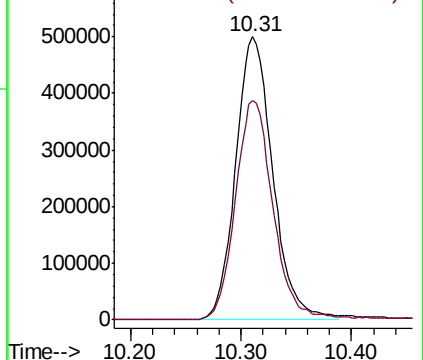
Tgt Ion	129	Resp	1165128
Ion Ratio	Lower	Upper	
129	100		
127	79.8	40.2	120.6

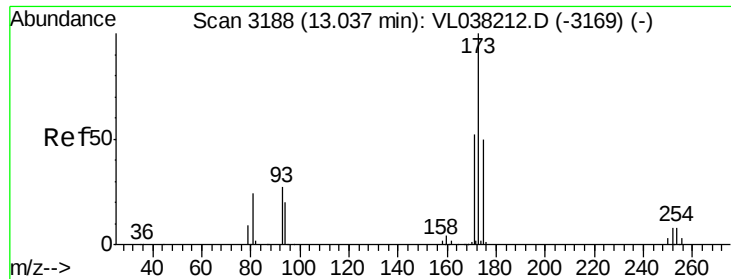


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.537 ppbv

RT: 13.05

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 29 Dec 2021 15:14

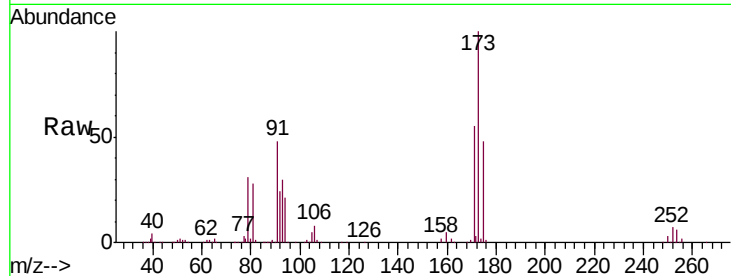
Tot Ion:173 Resp: 834526

Ion Ratio Lower Upper

173 100

175 52.4 40.9 61.3

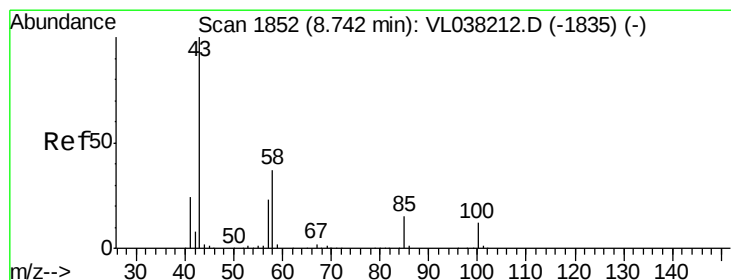
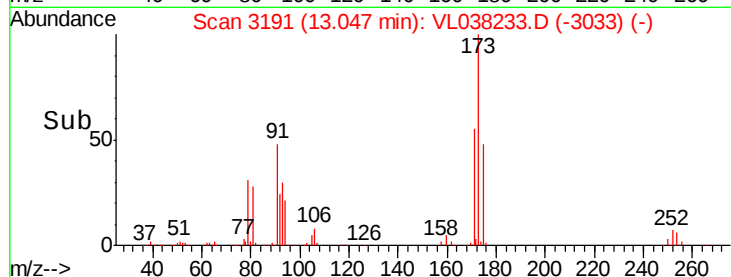
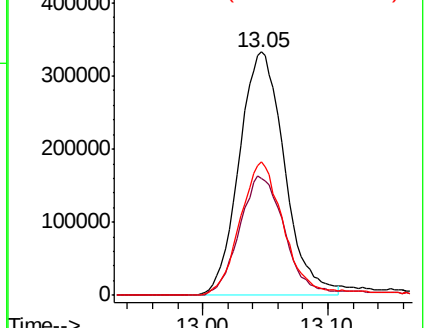
171 55.2 43.4 65.2



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: 11.150 ppbv

RT: 8.75 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VL038233.D

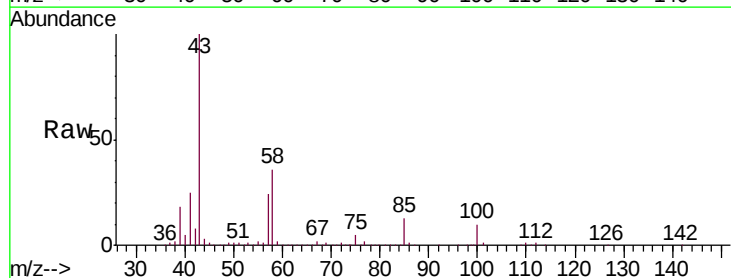
Acq: 29 Dec 2021 15:14

Tgt Ion: 43 Resp: 1183927

Ion Ratio Lower Upper

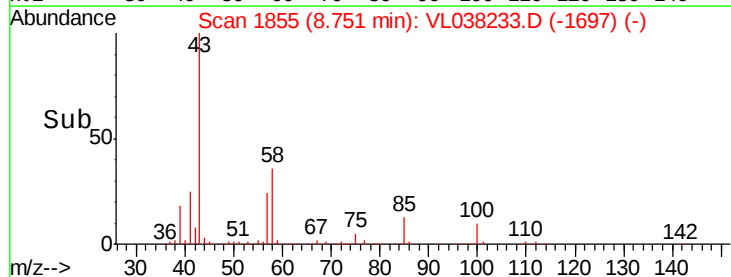
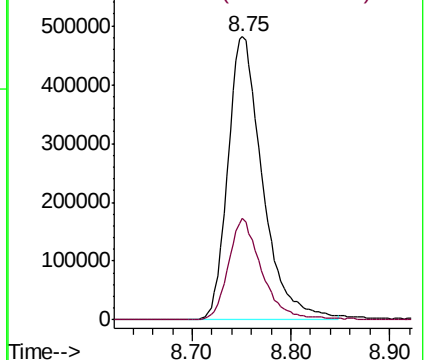
43 100

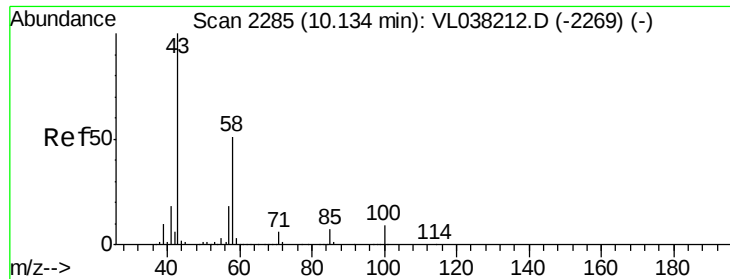
58 35.0 29.4 44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

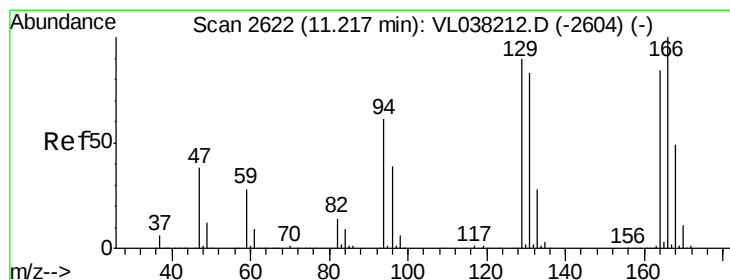
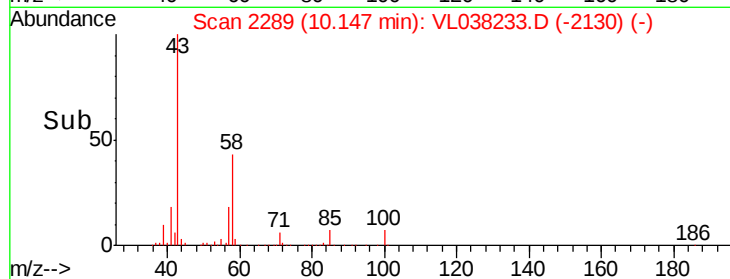
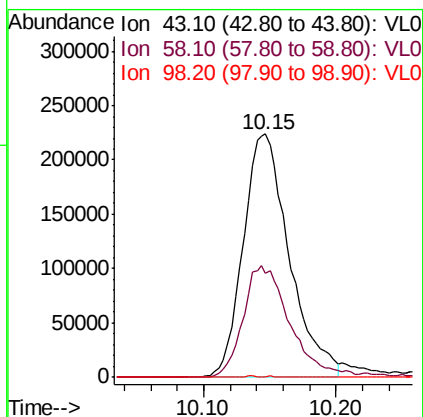
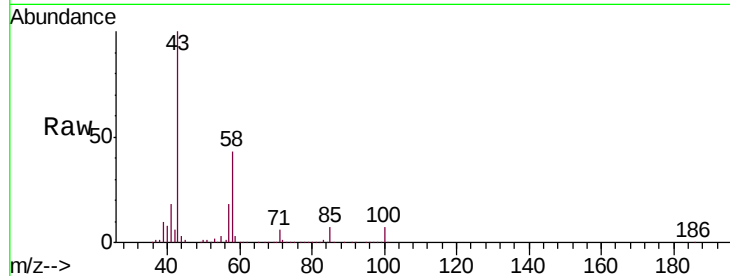
Ion 58.10 (57.80 to 58.80): VL0





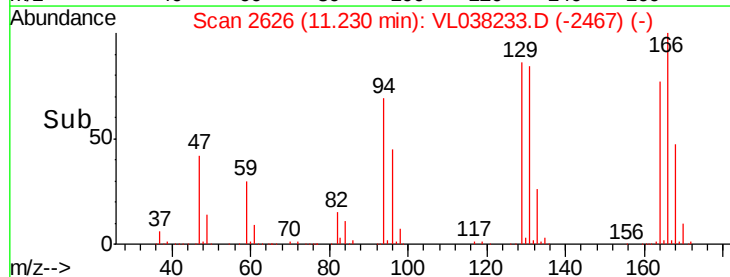
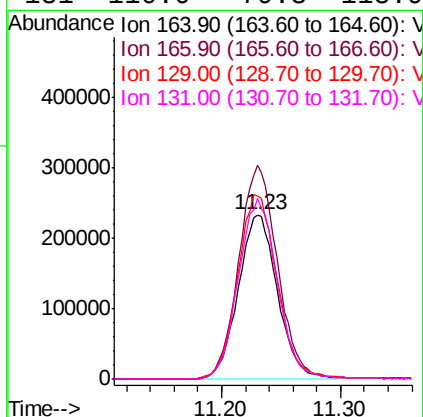
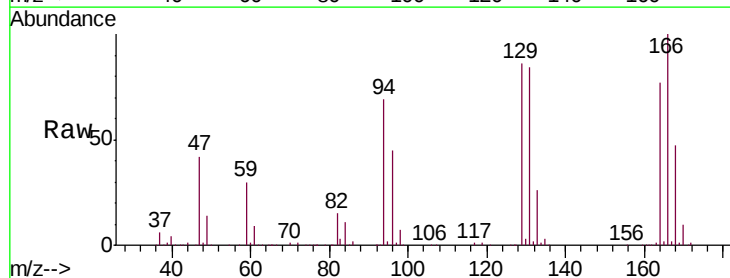
#51
2-Hexanone
Concen: 10.640 ppbv
RT: 10.15 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 29 Dec 2021 15:14

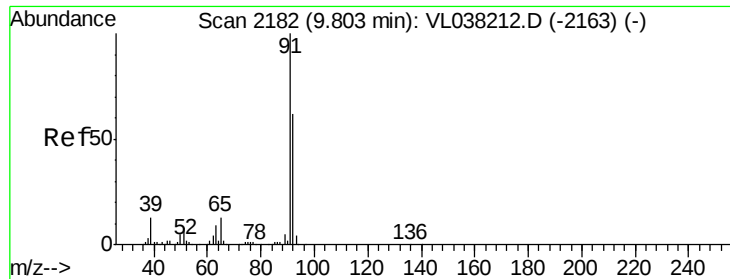
Tot Ion: 43 Resp: 540744
Ion Ratio Lower Upper
43 100
58 48.1 40.8 61.2
98 0.5 0.0 0.0#



#52
Tetrachloroethene
Concen: 7.928 ppbv
RT: 11.23 min Scan# 2626
Delta R.T. 0.01 min
Lab File: VL038233.D
Acq: 29 Dec 2021 15:14

Tgt Ion:164 Resp: 530356
Ion Ratio Lower Upper
164 100
166 130.2 95.6 143.4
129 111.6 85.8 128.8
131 110.0 79.3 118.9





#53

Toluene

Concen: 8.998 ppbv

RT: 9.81 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

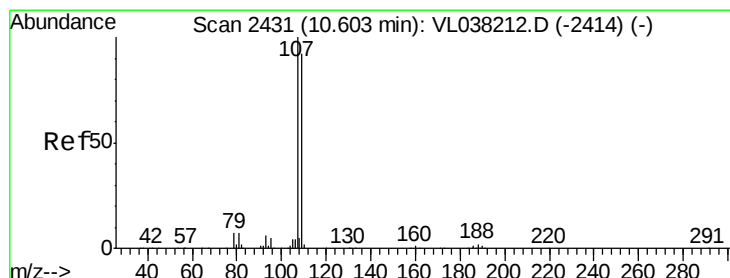
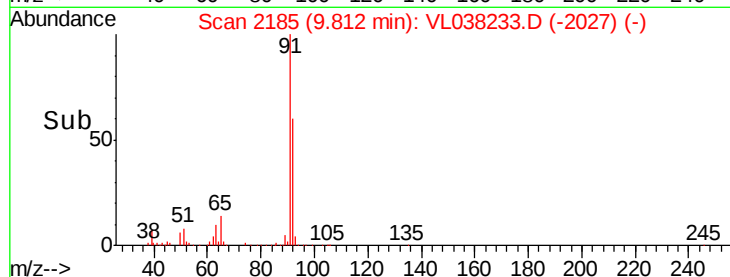
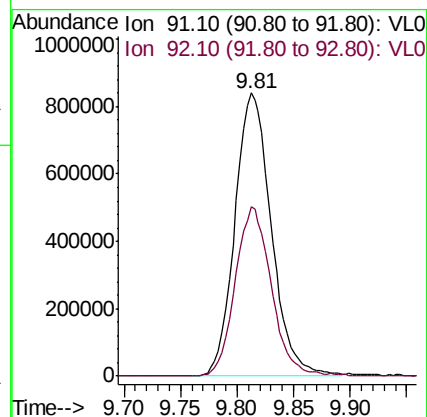
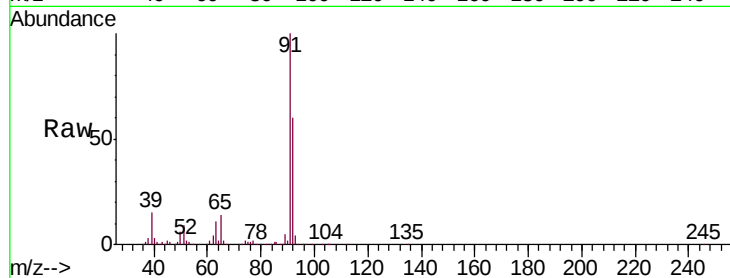
Acq: 29 Dec 2021 15:14

Tot Ion: 91 Resp: 1881659

Ion Ratio Lower Upper

91 100

92 59.7 48.9 73.3



#54

1,2-Dibromoethane

Concen: 9.353 ppbv

RT: 10.62 min Scan# 2435

Delta R.T. 0.01 min

Lab File: VL038233.D

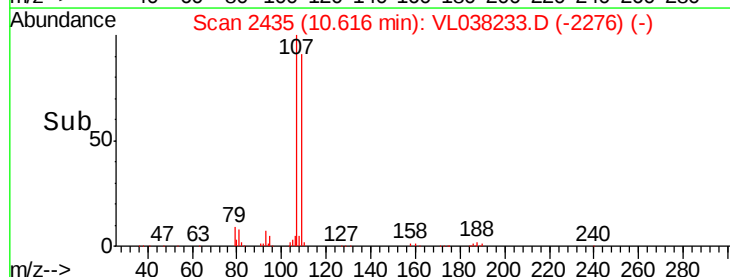
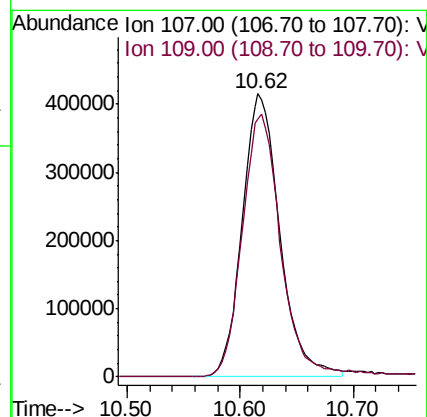
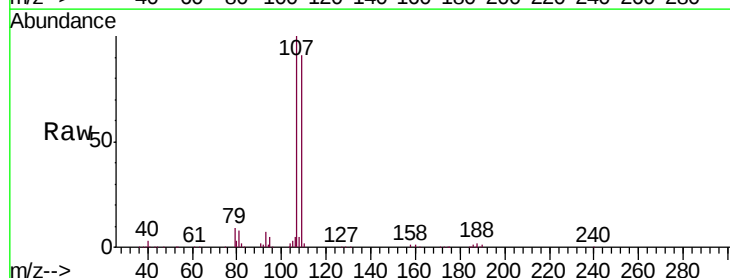
Acq: 29 Dec 2021 15:14

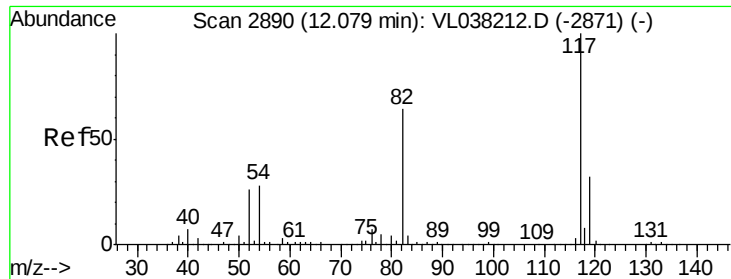
Tgt Ion: 107 Resp: 960548

Ion Ratio Lower Upper

107 100

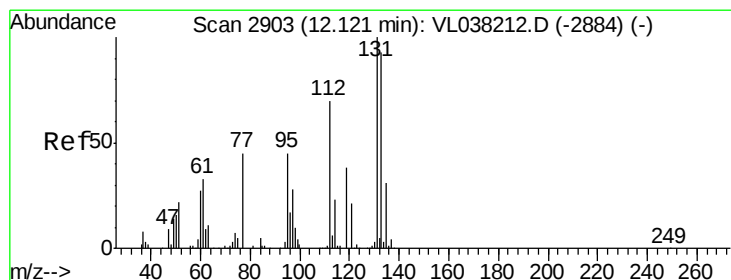
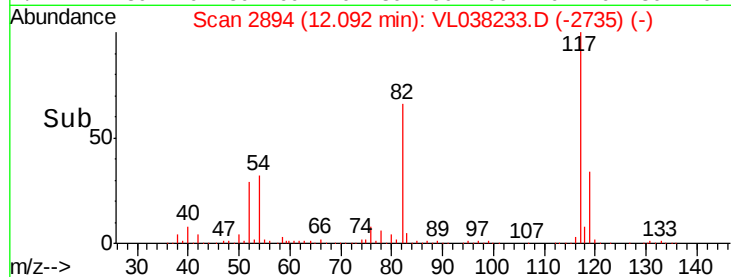
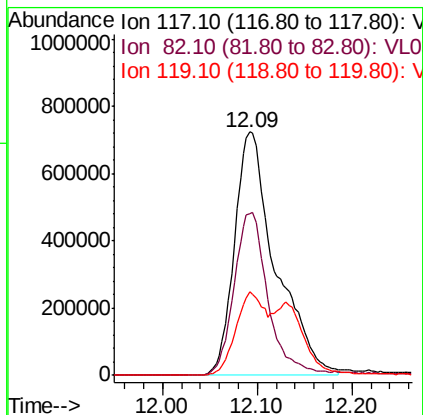
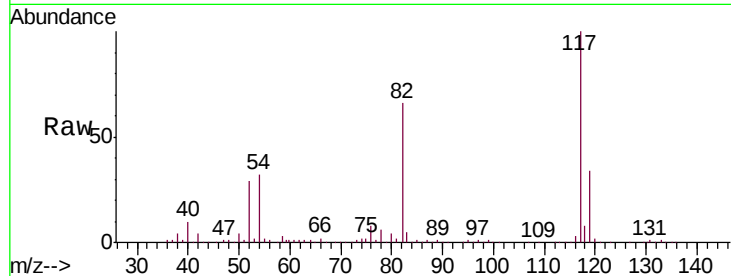
109 91.1 73.3 109.9





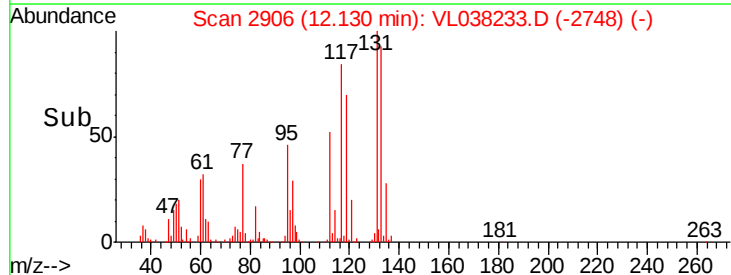
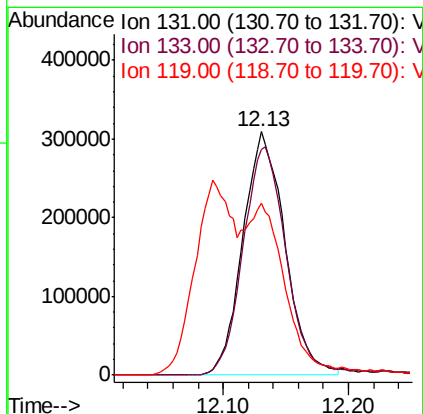
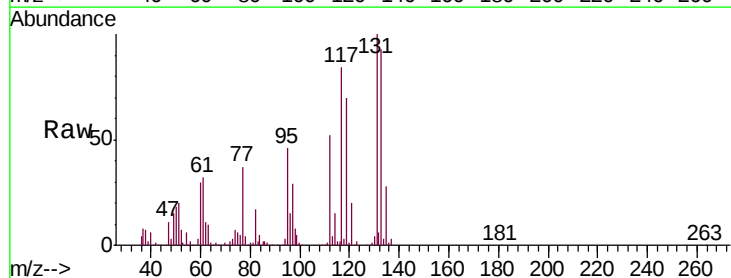
#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.09 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 29 Dec 2021 15:14

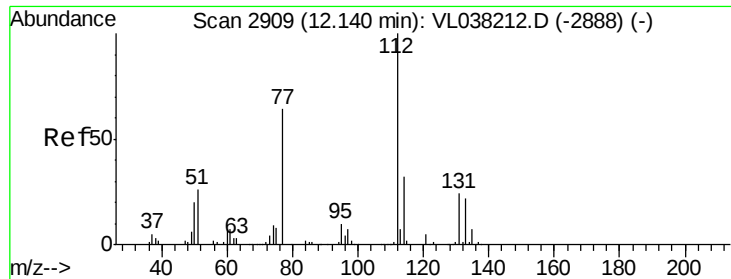
Tot Ion:117 Resp: 2189904
 Ion Ratio Lower Upper
 117 100
 82 56.8 53.3 79.9
 119 25.4 25.5 38.3#



#56
 1,1,1,2-Tetrachloroethane
 Concen: 7.931 ppbv
 RT: 12.13 min Scan# 2906
 Delta R.T.: 0.01 min
 Lab File: VL038233.D
 Acq: 29 Dec 2021 15:14

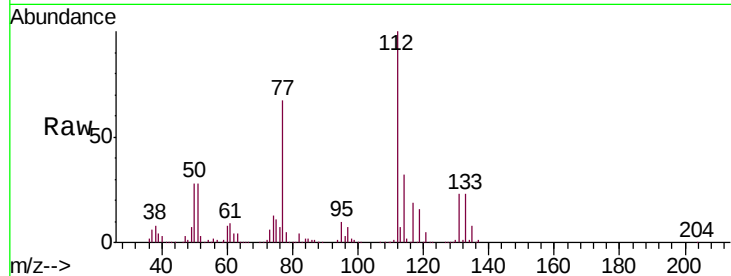
Tgt Ion:131 Resp: 722350
 Ion Ratio Lower Upper
 131 100
 133 98.5 77.6 116.4
 119 67.4 124.8 187.2#



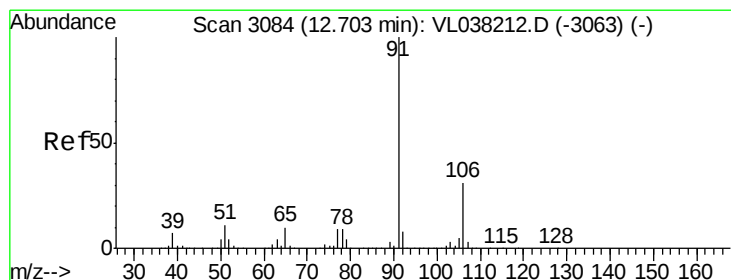
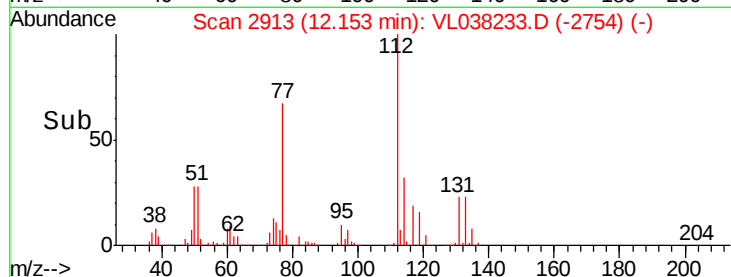
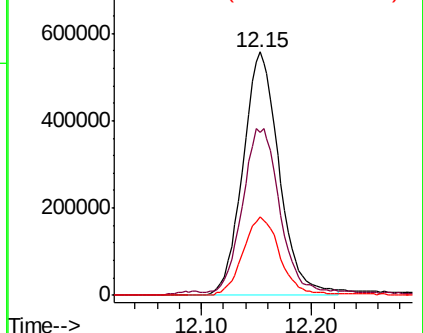


#57
Chlorobenzene
Concen: 6.695 ppbv
RT: 12.15 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 29 Dec 2021 15:14

Tot Ion: 112 Resp: 1271490
Ion Ratio Lower Upper
112 100
77 65.5 50.9 76.3
114 32.0 28.4 34.7

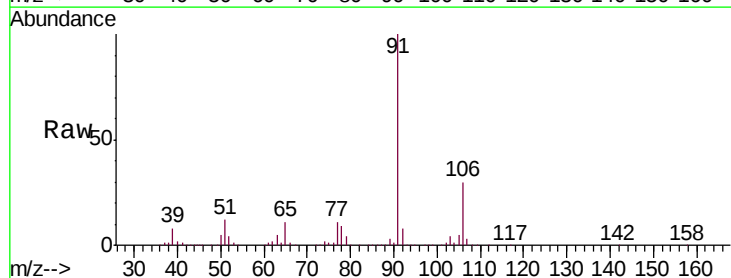


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

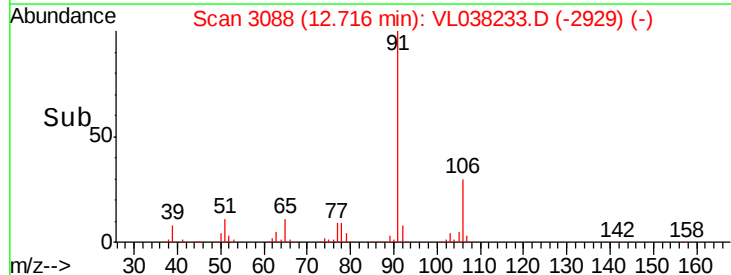
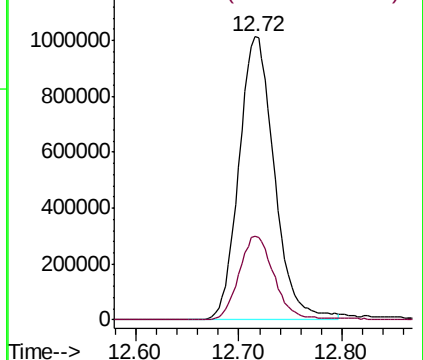


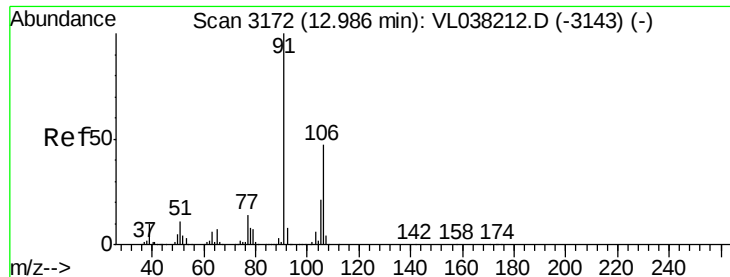
#58
Ethyl Benzene
Concen: 7.131 ppbv
RT: 12.72 min Scan# 3088
Delta R.T.: 0.01 min
Lab File: VL038233.D
Acq: 29 Dec 2021 15:14

Tgt Ion: 91 Resp: 2423178
Ion Ratio Lower Upper
91 100
106 29.8 25.0 37.4



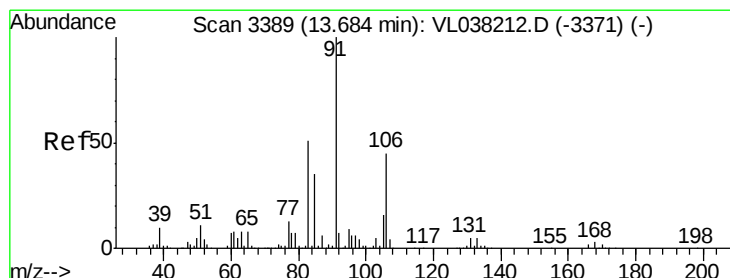
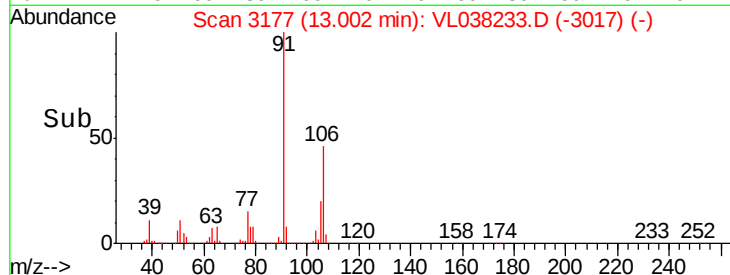
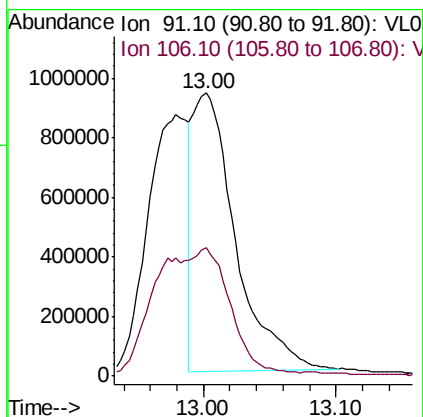
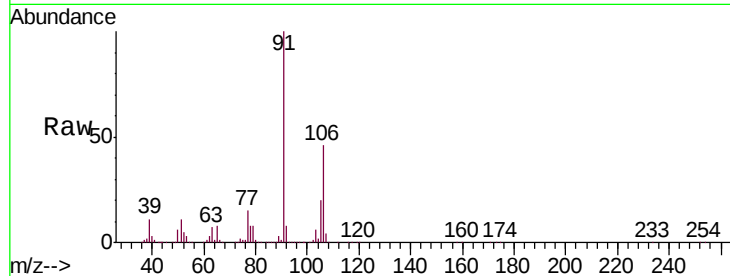
Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





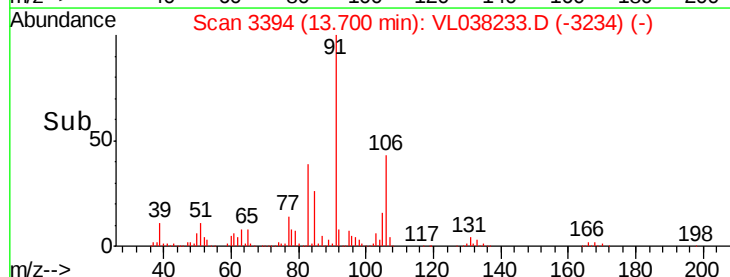
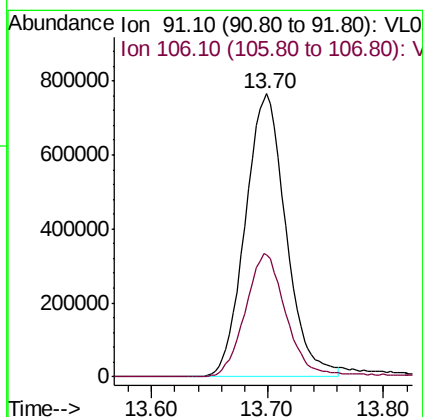
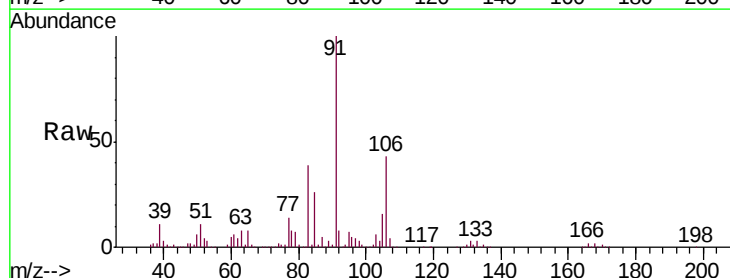
#59
m/p-Xylene
Concen: 7.180 ppbv
RT: 13.00 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 29 Dec 2021 15:14

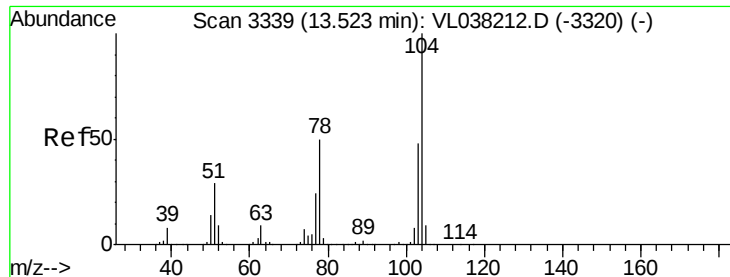
Tot Ion: 91 Resp: 2085974
Ion Ratio Lower Upper
91 100
106 84.1 36.9 55.3#



#60
o-Xylene
Concen: 6.934 ppbv
RT: 13.70 min Scan# 3394
Delta R.T. 0.02 min
Lab File: VL038233.D
Acq: 29 Dec 2021 15:14

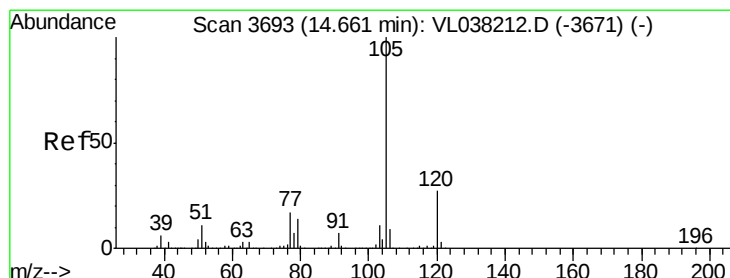
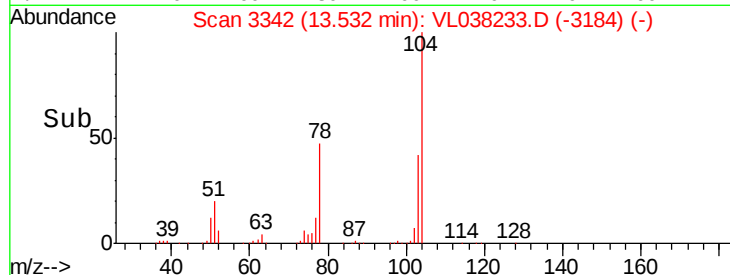
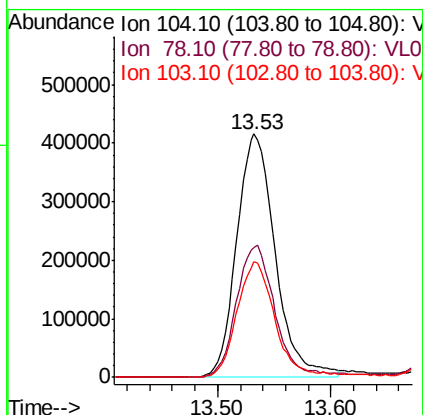
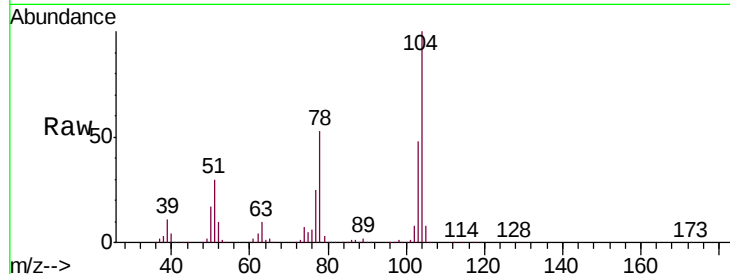
Tgt Ion: 91 Resp: 1867717
Ion Ratio Lower Upper
91 100
106 44.9 23.5 70.5





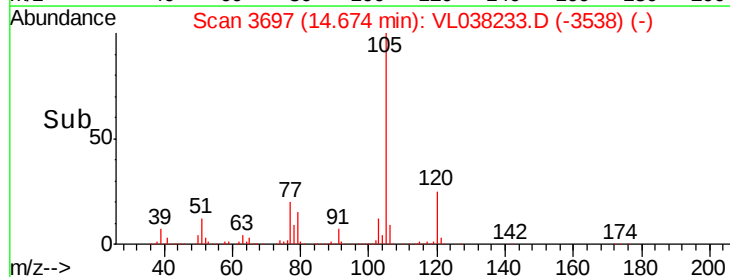
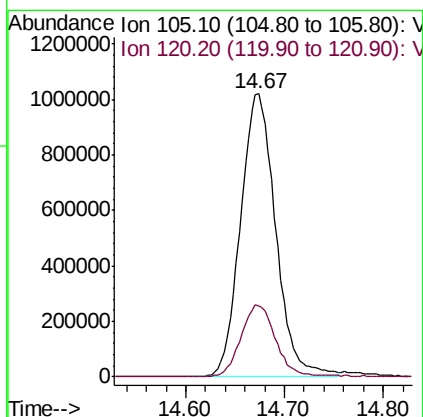
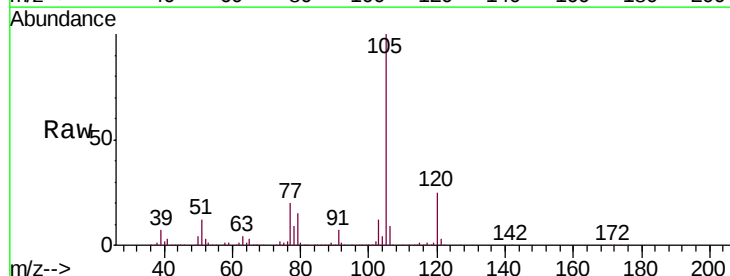
#61
Stvrene
Concen: 7.229 ppbv
RT: 13.53
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 29 Dec 2021 15:14

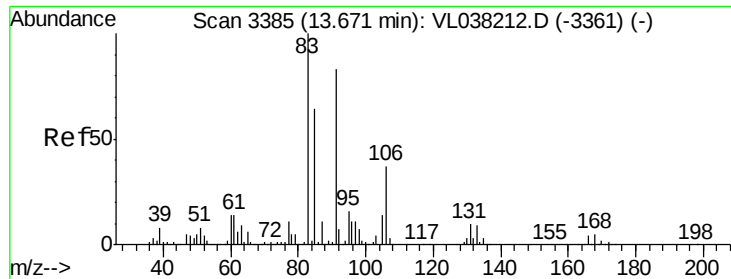
Tot Ion	Ratio	Lower	Upper
104	100		
78	55.4	41.0	61.6
103	47.9	38.0	57.0



#62
Isopropylbenzene
Concen: 6.657 ppbv
RT: 14.67 min Scan# 3697
Delta R.T. 0.01 min
Lab File: VL038233.D
Acq: 29 Dec 2021 15:14

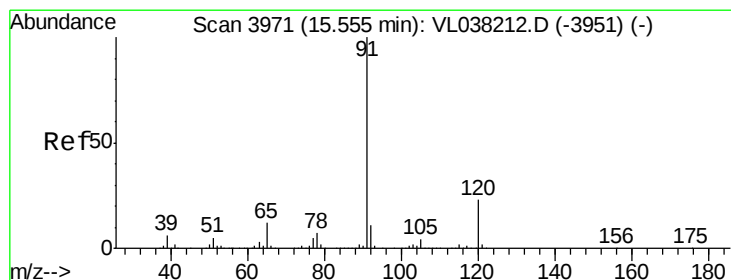
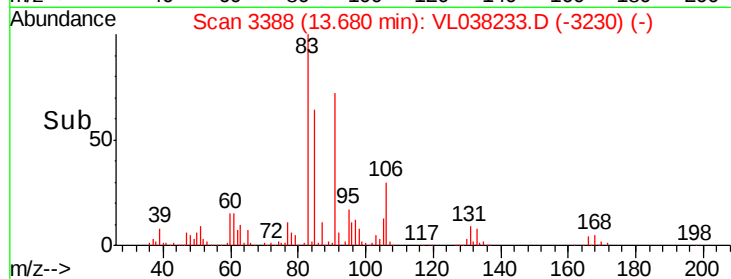
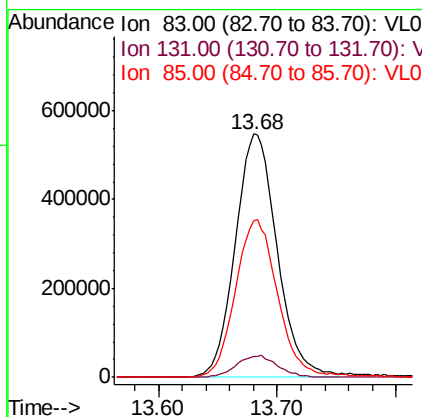
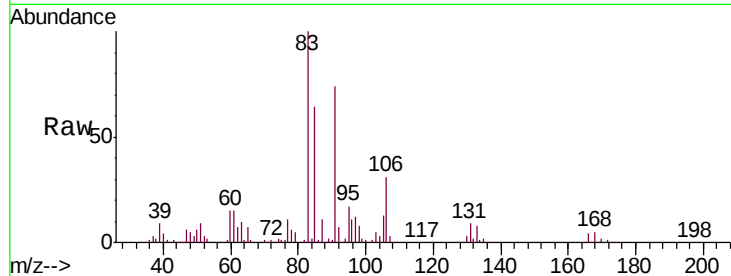
Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.6	21.0	31.6





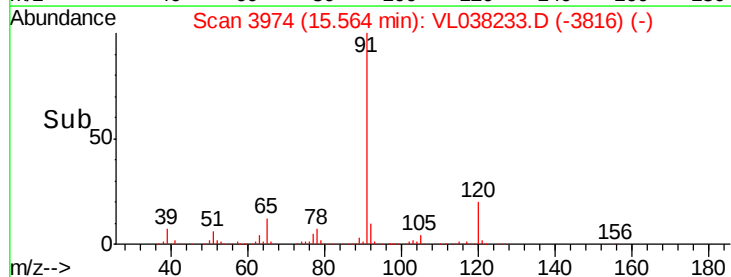
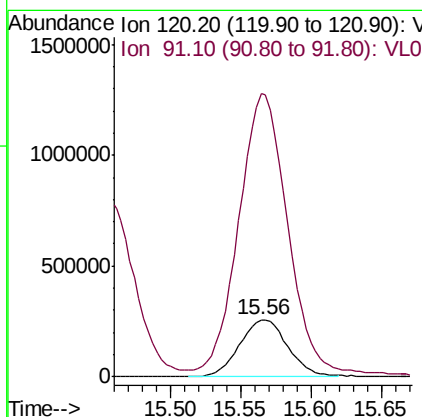
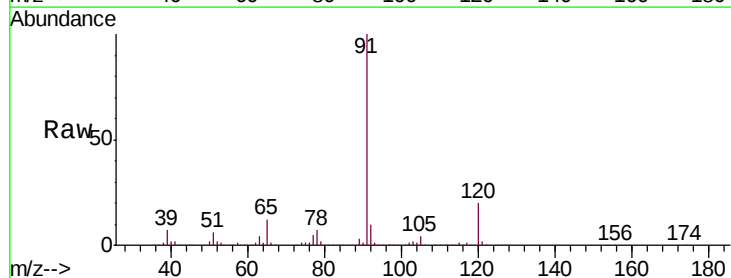
#63
 1,1,2,2-Tetrachloroethane
 Concen: 6.388 ppbv
 RT: 13.68 min
 Delta R.T. 0.01 min
 Lab File: VL038212.D
 Acq: 29 Dec 2021 15:14

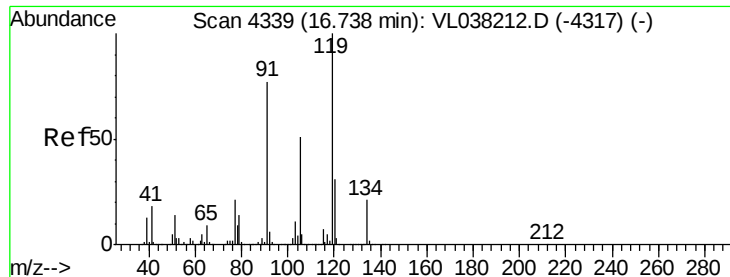
Tot Ion: 83 Resp: 1323070
 Ion Ratio Lower Upper
 83 100
 131 9.0 4.7 14.1
 85 66.6 32.9 98.6



#64
 n-propylbenzene
 Concen: 6.583 ppbv
 RT: 15.56 min Scan# 3974
 Delta R.T. 0.01 min
 Lab File: VL038233.D
 Acq: 29 Dec 2021 15:14

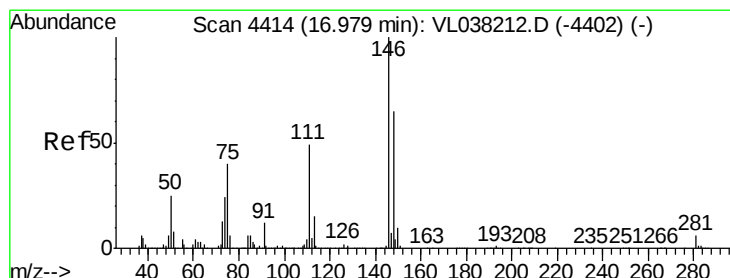
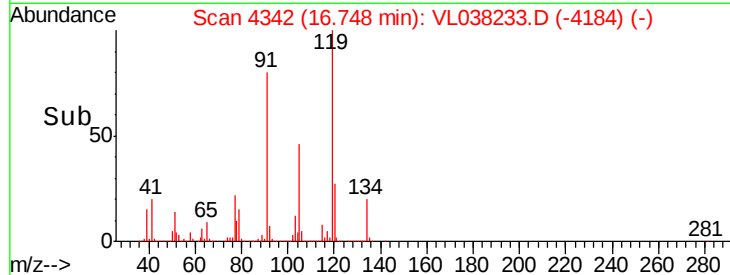
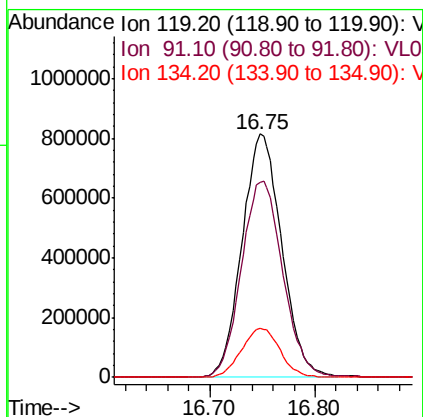
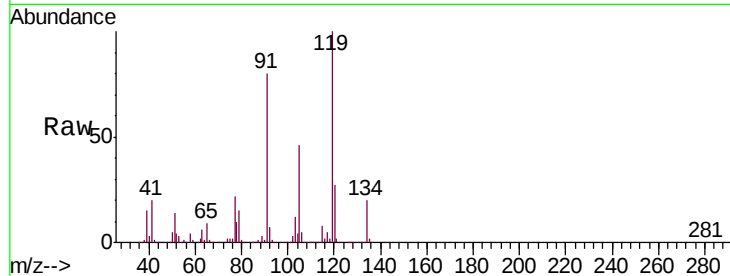
Tgt Ion: 120 Resp: 618897
 Ion Ratio Lower Upper
 120 100
 91 510.7 381.5 572.3





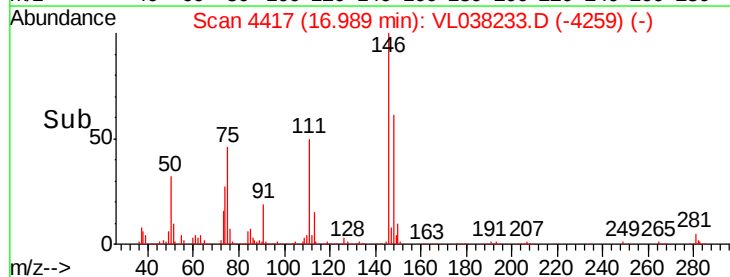
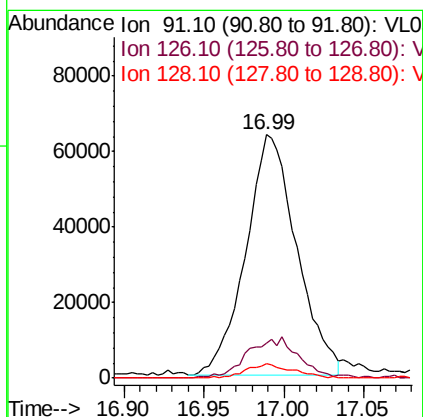
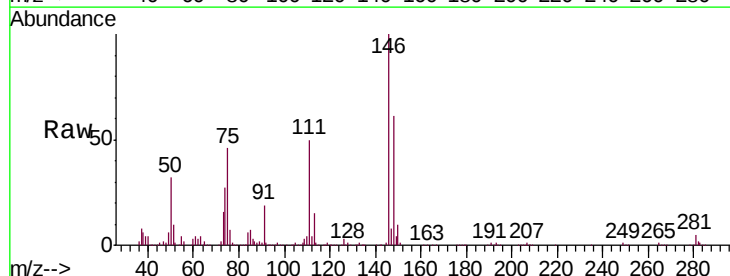
#65
 tert-Butylbenzene
 Concen: 6.406 ppbv
 RT: 16.75
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 29 Dec 2021 15:14

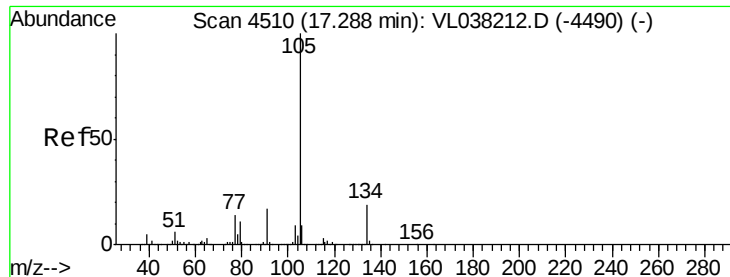
Tot Ion: 119 Resp: 2132424
 Ion Ratio Lower Upper
 119 100
 91 84.2 63.0 94.4
 134 19.7 15.8 23.6



#66
 Benzyl Chloride
 Concen: 11.230 ppbv
 RT: 16.99 min Scan# 4417
 Delta R.T.: 0.01 min
 Lab File: VL038233.D
 Acq: 29 Dec 2021 15:14

Tgt Ion: 91 Resp: 139320
 Ion Ratio Lower Upper
 91 100
 126 17.5 16.0 24.0
 128 5.7 5.0 7.6





#67

sec-Butylbenzene

Concen: 6.550 ppbv

RT: 17.30

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

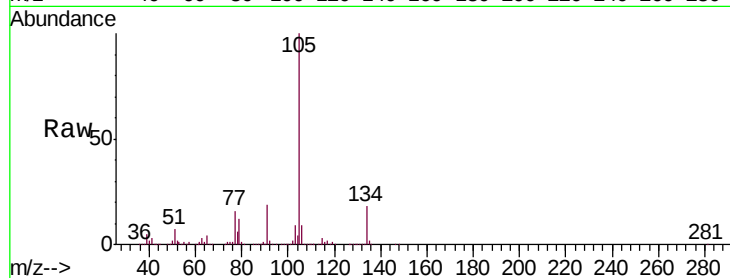
Acq: 29 Dec 2021 15:14

Tot Ion:105 Resp: 2995794

Ion Ratio Lower Upper

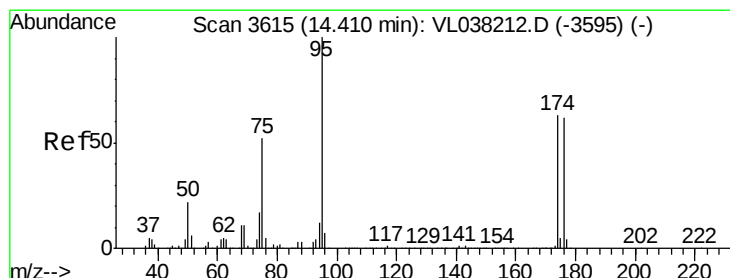
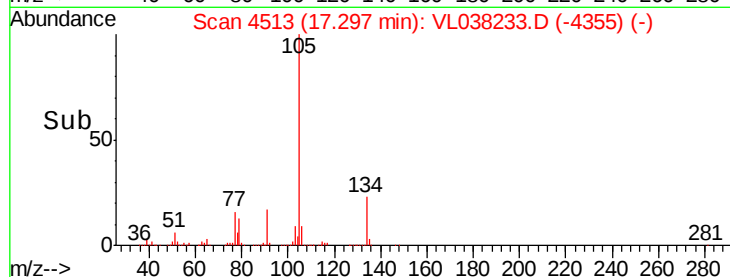
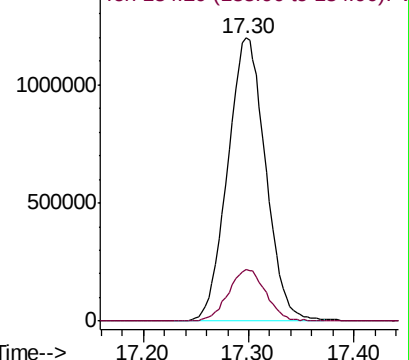
105 100

134 18.1 14.6 22.0



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: 8.537 ppbv

RT: 14.42 min Scan# 3618

Delta R.T. 0.01 min

Lab File: VL038233.D

Acq: 29 Dec 2021 15:14

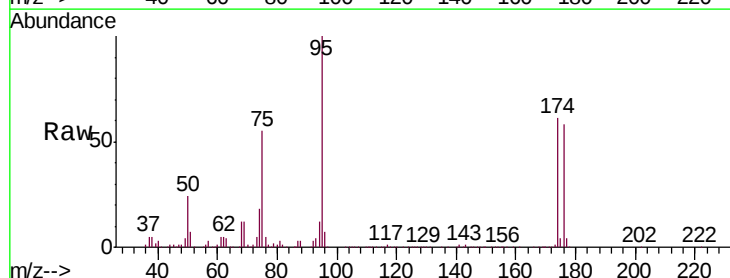
Tgt Ion: 95 Resp: 1440608

Ion Ratio Lower Upper

95 100

174 62.1 54.6 81.8

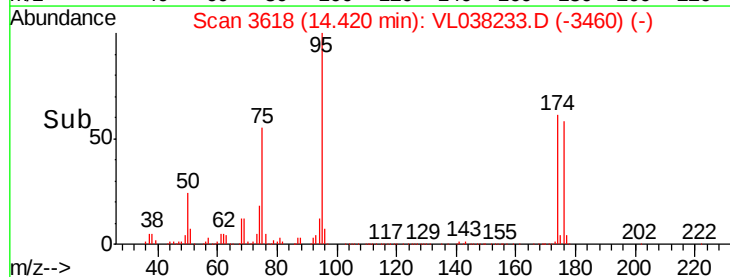
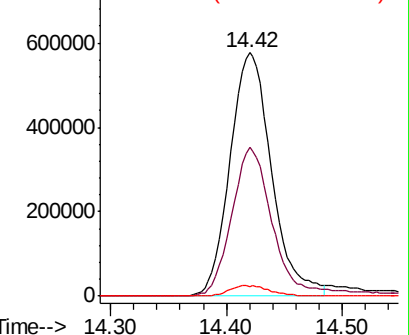
175 4.4 4.1 6.1

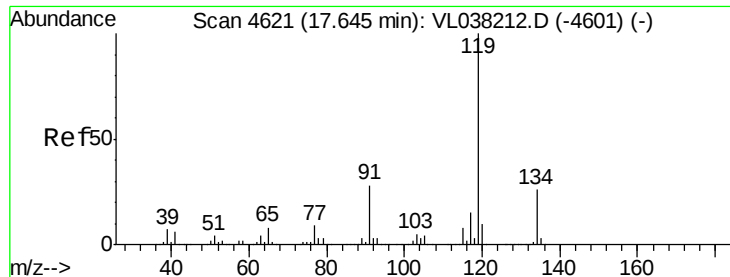


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

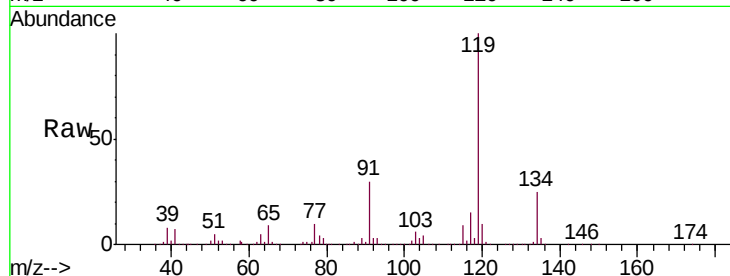
Ion 175.00 (174.70 to 175.70): V



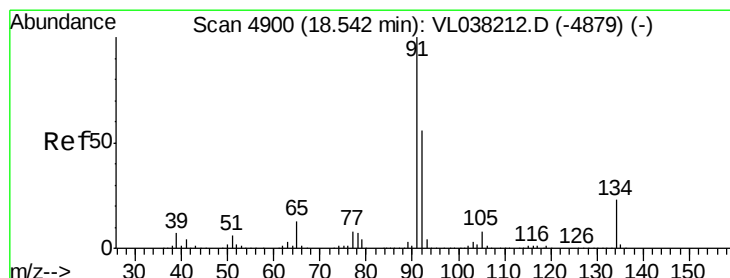
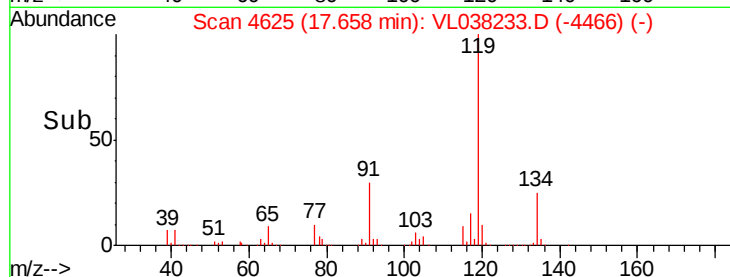
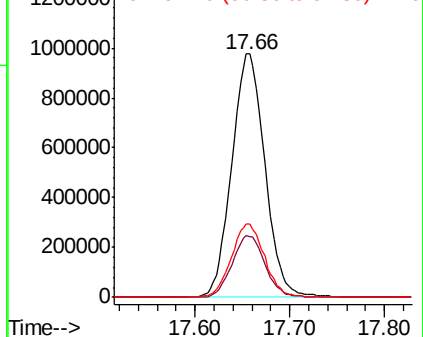


#69
 p-Isopropyltoluene
 Concen: 6.466 ppbv
 RT: 17.66 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 29 Dec 2021 15:14

Tot Ion: 119 Resp: 2378730
 Ion Ratio Lower Upper
 119 100
 134 25.3 20.4 30.6
 91 30.2 22.4 33.6

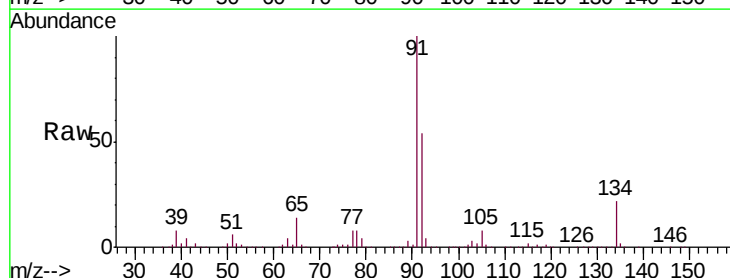


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

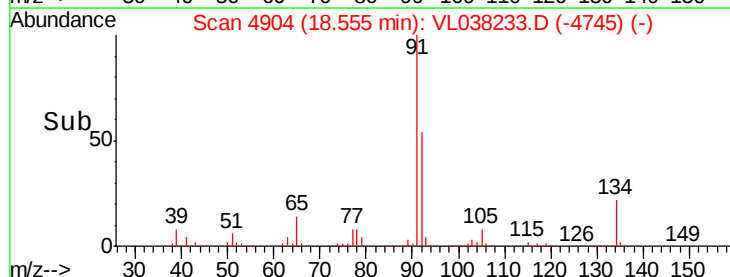
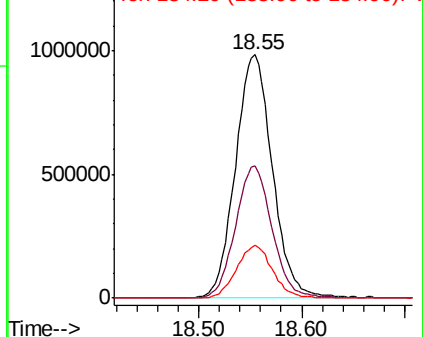


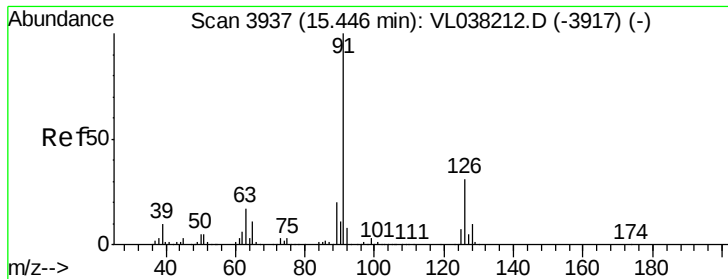
#70
 n-Butylbenzene
 Concen: 6.996 ppbv
 RT: 18.55 min Scan# 4904
 Delta R.T. 0.01 min
 Lab File: VL038233.D
 Acq: 29 Dec 2021 15:14

Tgt Ion: 91 Resp: 2446841
 Ion Ratio Lower Upper
 91 100
 92 54.0 44.0 66.0
 134 21.3 18.5 27.7



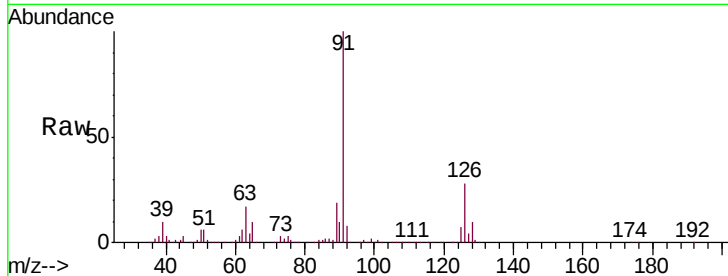
Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V



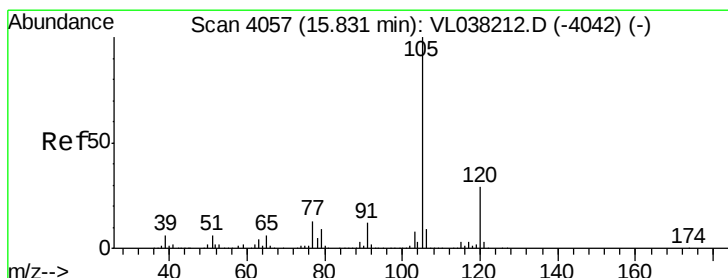
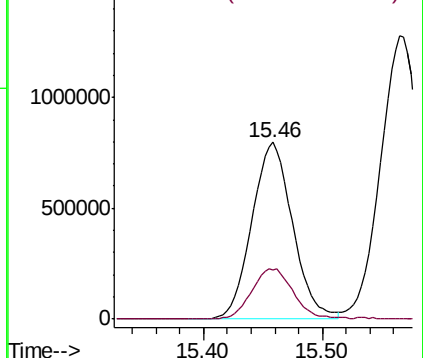
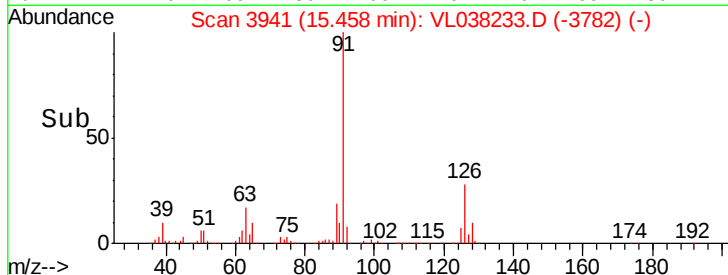


#71
 2-Chlorotoluene
 Concen: 6.723 ppbv
 RT: 15.46 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 Acq: 29 Dec 2021 15:14

Tot Ion: 91 Resp: 1892478
 Ion Ratio Lower Upper
 91 100
 126 30.0 12.8 51.0

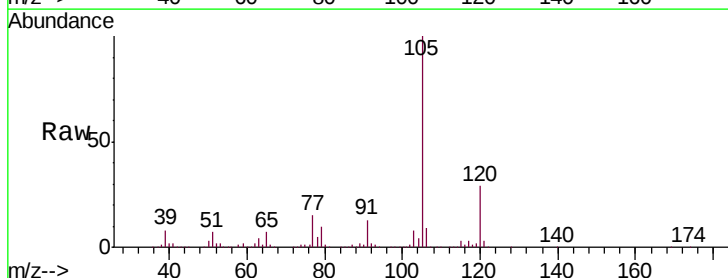


Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 126.10 (125.80 to 126.80): V

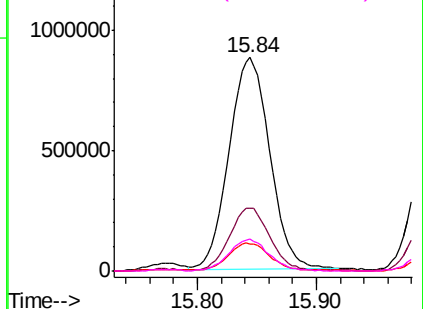
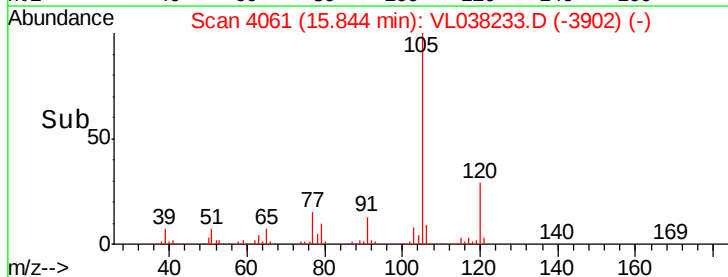


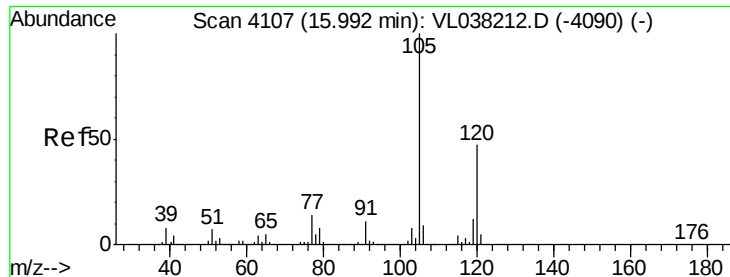
#72
 4-Ethyltoluene
 Concen: 6.739 ppbv
 RT: 15.84 min Scan# 4061
 Delta R.T. 0.01 min
 Lab File: VL038233.D
 Acq: 29 Dec 2021 15:14

Tgt Ion:105 Resp: 2090261
 Ion Ratio Lower Upper
 105 100
 120 29.8 24.3 36.5
 91 12.9 9.8 14.6
 77 14.9 10.6 16.0



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





#73

1,3,5-Trimethylbenzene

Concen: 6.708 ppbv

RT: 16.00

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

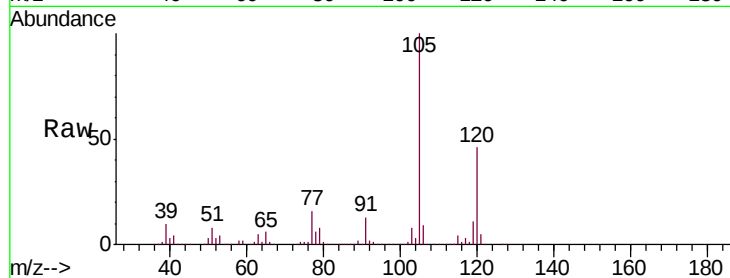
Acq: 29 Dec 2021 15:14

Tot Ion:105 Resp: 1862075

Ion Ratio Lower Upper

105 100

120 45.8 37.3 55.9



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

800000

600000

400000

200000

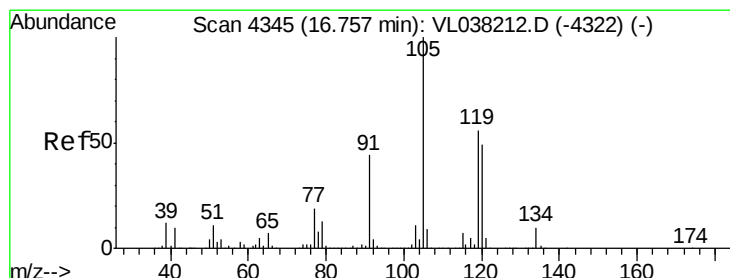
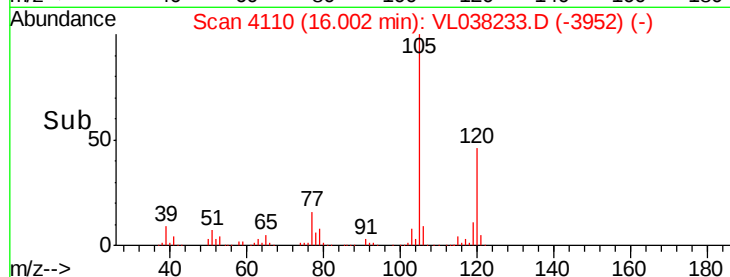
0

15.90

16.00

16.10

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 6.665 ppbv

RT: 16.77 min Scan# 4348

Delta R.T. 0.01 min

Lab File: VL038233.D

Acq: 29 Dec 2021 15:14

Tgt Ion:105 Resp: 1943141

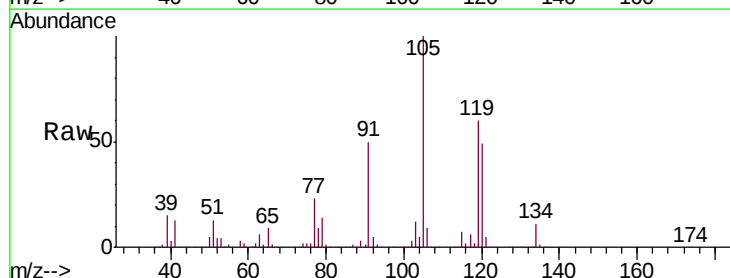
Ion Ratio Lower Upper

105 100

120 48.4 39.4 59.2

91 49.8 35.0 52.4

77 22.9 15.6 23.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

1200000

1000000

800000

600000

400000

200000

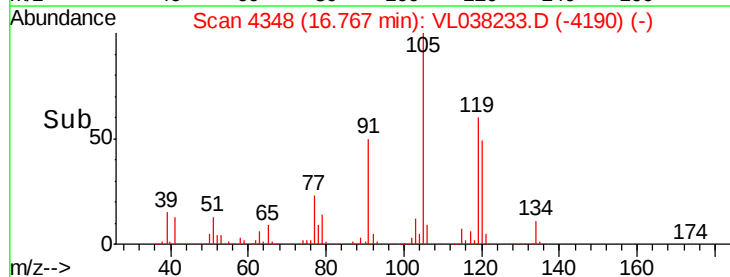
0

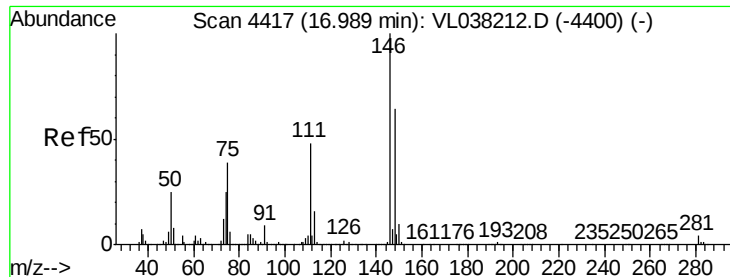
16.70

16.77

16.90

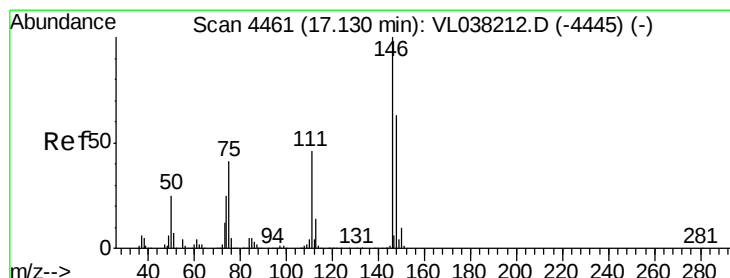
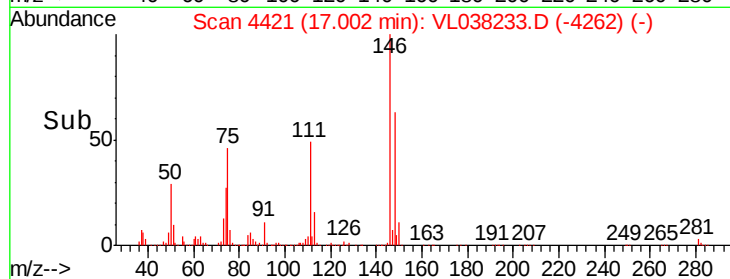
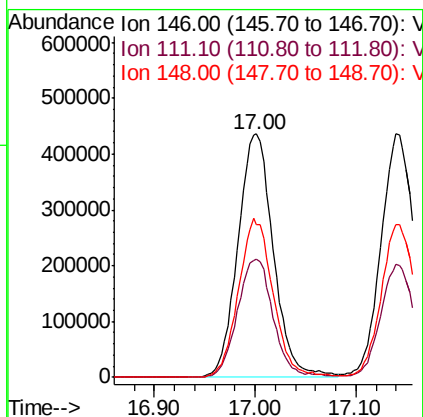
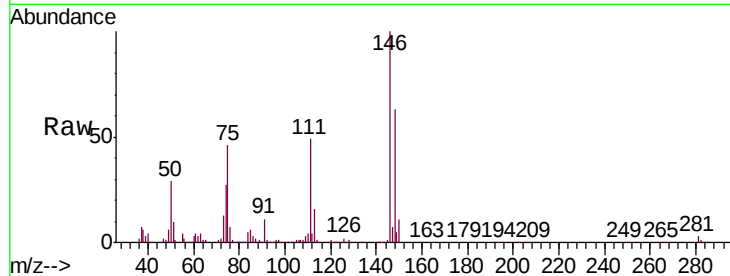
Time-->





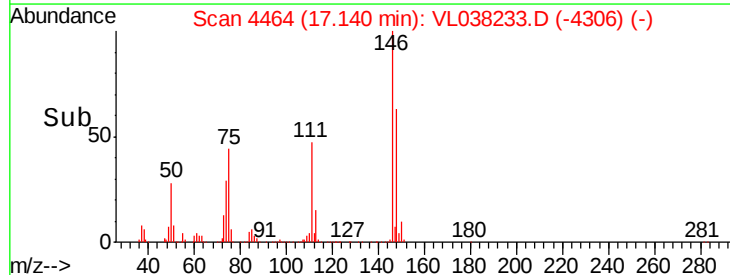
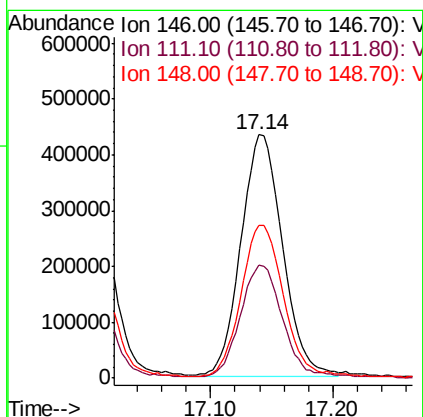
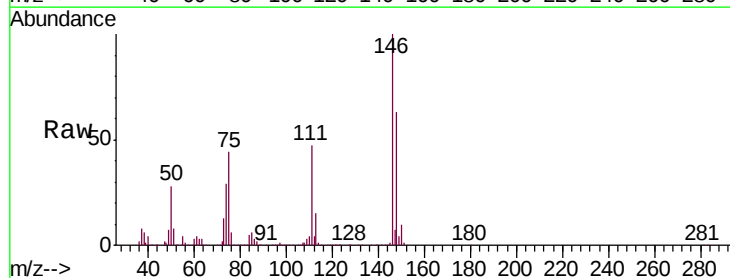
#75
 1,3-Dichlorobenzene
 Concen: 6.741 ppbv
 RT: 17.00 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 29 Dec 2021 15:14

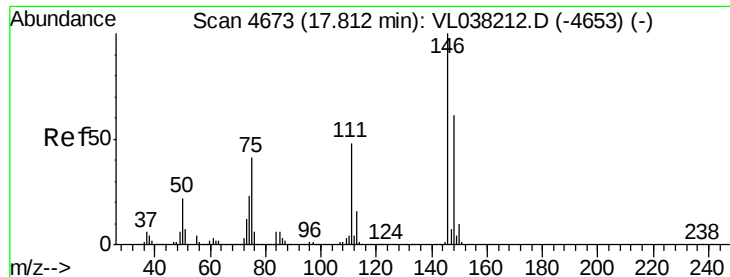
Tot Ion:146 Resp: 1061574
 Ion Ratio Lower Upper
 146 100
 111 49.1 23.8 71.4
 148 63.9 32.3 96.8



#76
 1,4-Dichlorobenzene
 Concen: 6.566 ppbv
 RT: 17.14 min Scan# 4464
 Delta R.T. 0.01 min
 Lab File: VL038233.D
 Acq: 29 Dec 2021 15:14

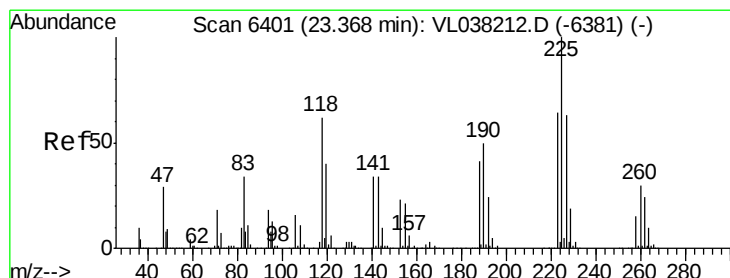
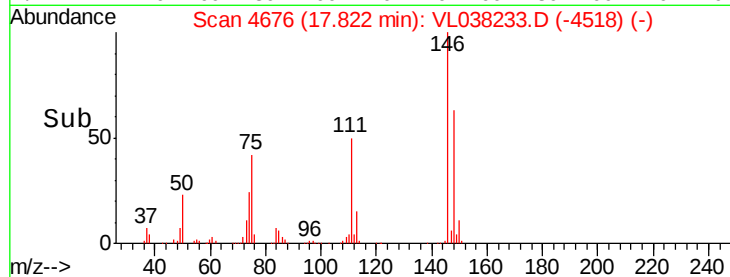
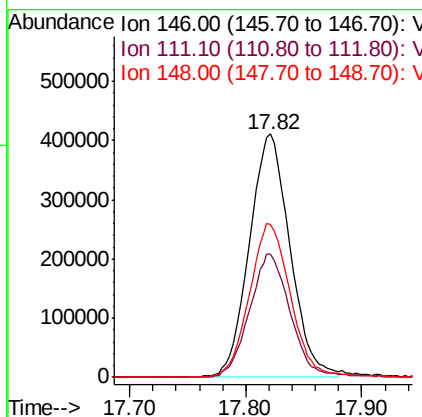
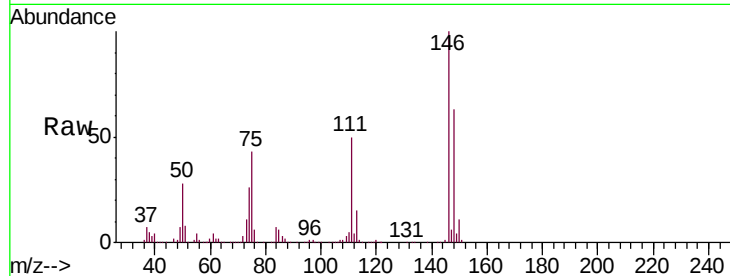
Tgt Ion:146 Resp: 1025935
 Ion Ratio Lower Upper
 146 100
 111 48.1 23.6 71.0
 148 65.7 33.1 99.5





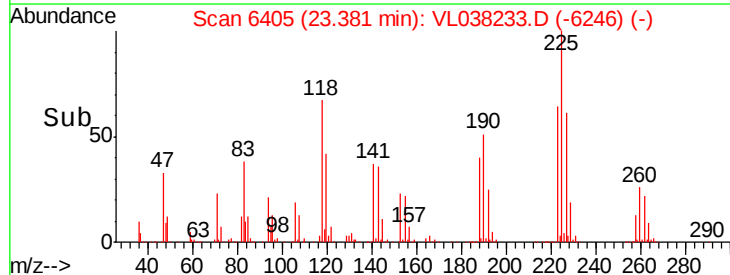
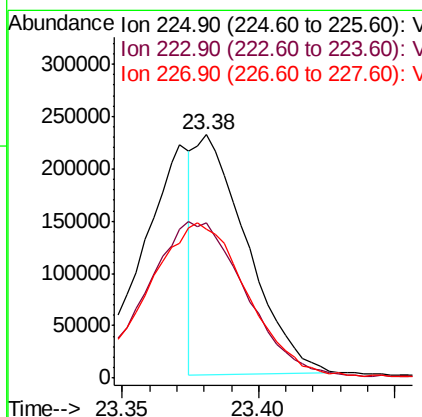
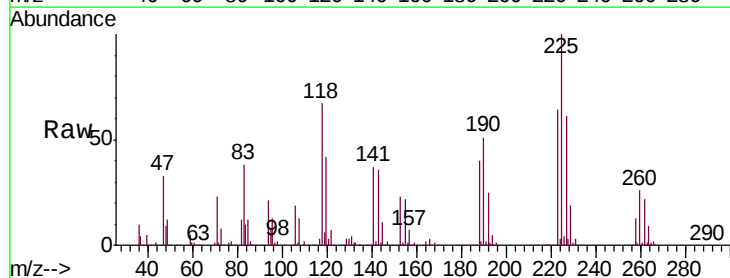
#77
 1,2-Dichlorobenzene
 Concen: 6.604 ppbv
 RT: 17.82 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 29 Dec 2021 15:14

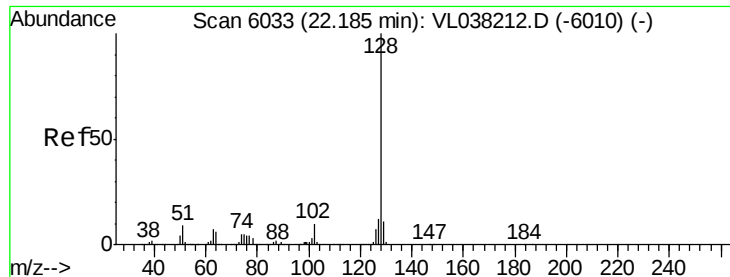
Tot Ion:	146	Resp:	995746
Ion	Ratio	Lower	Upper
146	100		
111	51.6	24.9	74.7
148	64.2	32.1	96.3



#78
 Hexachloro-1,3-Butadiene
 Concen: 3.276 ppbv
 RT: 23.38 min Scan# 6405
 Delta R.T. 0.01 min
 Lab File: VL038233.D
 Acq: 29 Dec 2021 15:14

Tgt Ion:	225	Resp:	304791
Ion	Ratio	Lower	Upper
225	100		
223	127.7	51.5	77.3#
227	126.3	51.9	77.9#

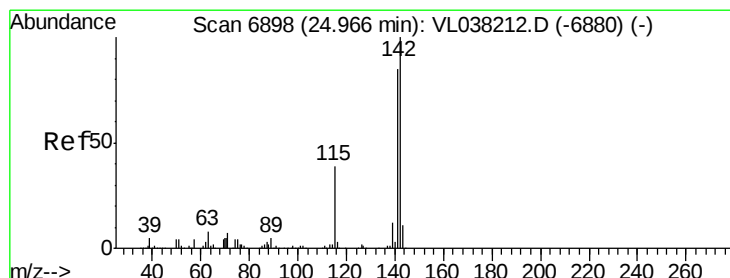
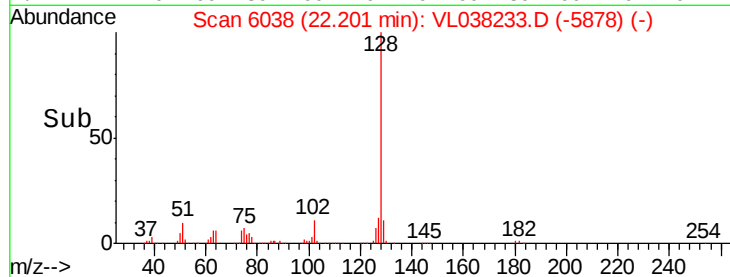
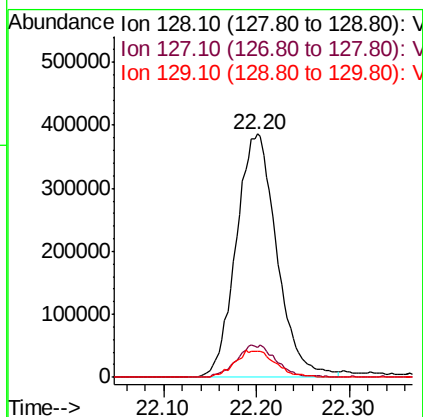
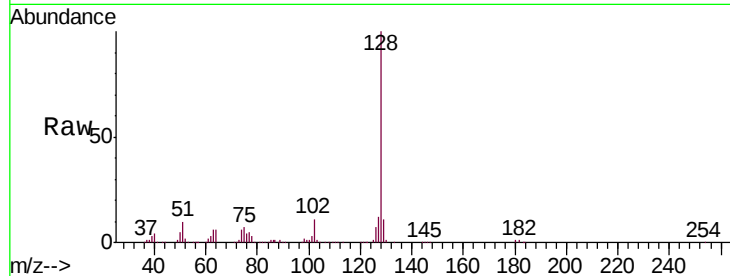




#79
Naphthalene
Concen: 7.788 ppbv
RT: 22.20 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 29 Dec 2021 15:14

Tot Ion:128 Resp: 1172991

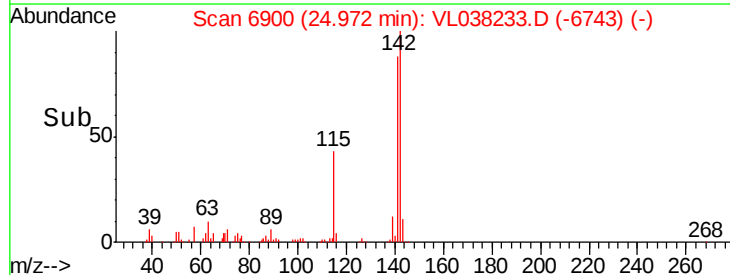
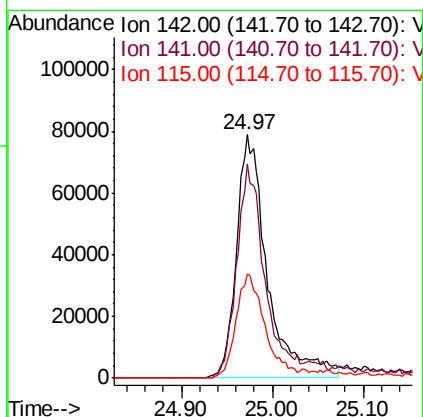
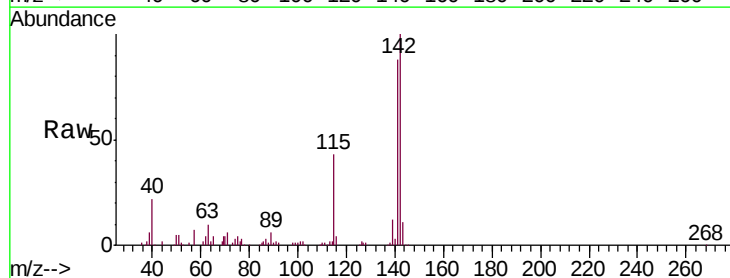
Ion	Ratio	Lower	Upper
128	100		
127	12.1	9.6	14.4
129	10.6	9.2	13.8

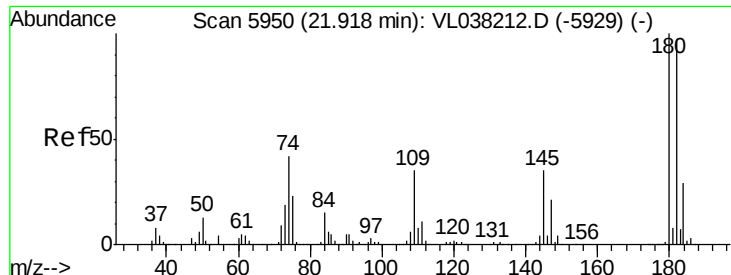


#80
Naphthalene, 2-methyl-
Concen: 6.236 ppbv
RT: 24.97 min Scan# 6900
Delta R.T.: 0.01 min
Lab File: VL038233.D
Acq: 29 Dec 2021 15:14

Tgt Ion:142 Resp: 186342

Ion	Ratio	Lower	Upper
142	100		
141	88.7	66.7	100.1
115	44.0	29.4	44.0





#81

1,2,4-Trichlorobenzene

Concen: 7.211 ppbv

RT: 21.93

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 29 Dec 2021 15:14

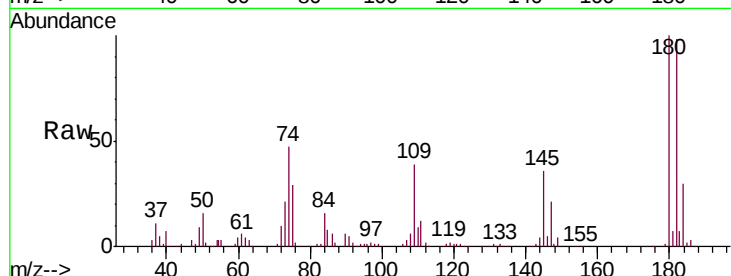
Tot Ion:180 Resp: 621087

Ion Ratio Lower Upper

180 100

182 98.9 78.2 117.2

184 31.5 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

