

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040522\
 Data File : VL038821.D
 Acq On : 5 Apr 2022 22:29
 Operator : SY/AP
 Sample : VL0405ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VL0405ABS01

Quant Time: Apr 06 06:25:42 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL040522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Apr 06 06:12:53 2022
 QLast Update : Wed Apr 06 06:12:53 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1429450	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3866838	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3540847	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2762928	10.29	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.90%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	2085718	10.287	ppbv 99
3) Chlorodifluoromethane	2.99	51	1655398	9.489	ppbv 100
4) Chloromethane	3.14	50	862649	9.550	ppbv 99
5) Vinyl Chloride	3.26	62	787433	9.434	ppbv 98
6) Bromomethane	3.48	94	381088	9.437	ppbv 96
7) Chloroethane	3.56	64	261396	9.391	ppbv 97
8) Dichlorotetrafluoroethane	3.19	85	1772176	9.357	ppbv 99
9) Propene	3.01	41	873682	9.466	ppbv 99
10) Heptane	8.12	43	2177088	9.364	ppbv 98
11) Trichlorofluoromethane	3.95	101	1616223	9.920	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.48	101	1182688	9.477	ppbv 98
13) Ethanol	3.61	45	28254	5.037	ppbv # 100
14) Bromoethene	3.74	108	538406	9.810	ppbv 95
15) Acetone	3.85	43	1282133	9.009	ppbv 100
16) 1,3-Butadiene	3.33	39	750941	9.230	ppbv 98
17) tert-Butyl alcohol	4.29	59	1213072	9.505	ppbv 100
18) 1,1-Dichloroethene	4.29	96	543623	9.555	ppbv 94
19) Isopropyl Alcohol	3.96	45	647763	8.906	ppbv # 100
20) Methylene Chloride	4.35	84	452856	8.774	ppbv 95
21) Allyl Chloride	4.41	41	981339	9.210	ppbv 98
22) trans-1,2-Dichloroethene	4.88	96	573419	9.955	ppbv 96
23) Vinyl Acetate	5.07	43	1330124	9.597	ppbv 99
24) 1,1-Dichloroethane	5.01	63	573872	4.582	ppbv 98
25) Ethyl Acetate	5.67	43	3459260	9.580	ppbv 99
26) Hexane	5.69	57	1545578	9.403	ppbv 98
27) Carbon Disulfide	4.55	76	1491168	9.893	ppbv 98
28) Methyl tert-Butyl Ether	5.03	73	1189956	9.374	ppbv 99
29) Chloroform	5.75	83	2246317	9.768	ppbv 97
30) Cyclohexane	7.13	84	1353669	9.344	ppbv 97
31) cis-1,2-Dichloroethene	5.55	61	1470780	9.732	ppbv 98
32) 1,1,1-Trichloroethane	6.51	97	2263002	9.767	ppbv 99
34) 2-Butanone	5.24	43	1563508	10.233	ppbv 100
35) Carbon Tetrachloride	7.01	117	2317680	9.998	ppbv 97
36) Benzene	6.89	78	3308249	9.404	ppbv 99
37) 1,2-Dichloroethane	6.30	62	1627984	10.122	ppbv 100
38) Trichloroethene	7.83	130	1319802	9.144	ppbv 97
39) 1,2-Dichloropropane	7.61	63	1302557	9.681	ppbv 98
40) 1,4-Dioxane	7.83	88	408556	8.942	ppbv # 99
41) Tetrahydrofuran	6.05	42	1383719	9.535	ppbv 100
42) Bromodichloromethane	7.79	83	2602960	10.249	ppbv 98
43) Methyl Methacrylate	8.01	69	1380159	10.244	ppbv 97

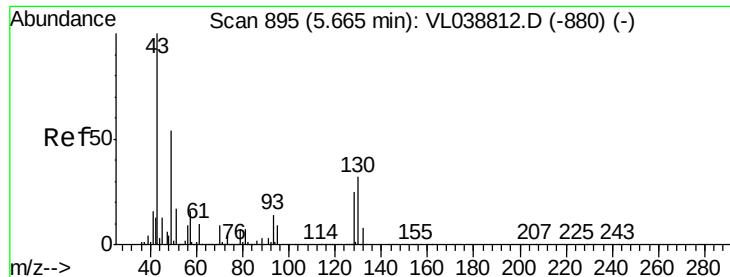
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040522\
 Data File : VL038821.D
 Acq On : 5 Apr 2022 22:29
 Operator : SY/AP
 Sample : VL0405ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VL0405ABS01

Quant Time: Apr 06 06:25:42 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL040522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Apr 06 06:12:53 2022
 QLast Update : Wed Apr 06 06:12:53 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	5483230	9.207	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1464766	10.397	ppbv	97
46) cis-1,3-Dichloropropene	8.70	75	1862929	10.030	ppbv	99
47) 1,1,2-Trichloroethane	9.47	97	1326976	9.625	ppbv	96
48) Dibromochloromethane	10.30	129	2150758	9.953	ppbv	98
49) Bromoform	13.04	173	1709734	9.990	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	3414291	9.934	ppbv	99
51) 2-Hexanone	10.12	43	2681728	10.356	ppbv	100
52) Tetrachloroethene	11.22	164	1096756	8.926	ppbv	94
53) Toluene	9.80	91	3845345	9.469	ppbv	100
54) 1,2-Dibromoethane	10.61	107	1921109	10.032	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.12	131	1474699	9.504	ppbv	99
57) Chlorobenzene	12.14	112	2697175	9.301	ppbv	98
58) Ethyl Benzene	12.71	91	5043743	9.533	ppbv	97
59) m/p-Xylene	12.99	91	4320309	9.719	ppbv #	38
60) o-Xylene	13.69	91	3900031	9.376	ppbv	98
61) Styrene	13.52	104	2507302	9.894	ppbv	100
62) Isopropylbenzene	14.66	105	5767088	9.237	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.67	83	2496788	9.477	ppbv	100
64) n-propylbenzene	15.55	120	1543527	9.522	ppbv	95
65) tert-Butylbenzene	16.74	119	4941578	8.921	ppbv	98
66) Benzyl Chloride	16.98	91	995080	8.824	ppbv	98
67) sec-Butylbenzene	17.29	105	7086858	9.117	ppbv	99
69) p-Isopropyltoluene	17.64	119	5963031	9.343	ppbv	100
70) n-Butylbenzene	18.54	91	6284048	9.774	ppbv	99
71) 2-Chlorotoluene	15.45	91	4517972	9.624	ppbv	97
72) 4-Ethyltoluene	15.83	105	4714507	9.492	ppbv	99
73) 1,3,5-Trimethylbenzene	15.99	105	4290660	9.616	ppbv	97
74) 1,2,4-Trimethylbenzene	16.76	105	4380014	9.286	ppbv	97
75) 1,3-Dichlorobenzene	16.99	146	2579269	9.418	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	2572522	9.536	ppbv	98
77) 1,2-Dichlorobenzene	17.81	146	2516076	9.320	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	1751008	8.209	ppbv	98
79) Naphthalene	22.19	128	3600984	10.206	ppbv	99
80) Naphthalene, 2-methyl-	24.97	142	899524	10.346	ppbv	96
81) 1,2,4-Trichlorobenzene	21.91	180	1965224	9.517	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA_1

Delta R.T. 0.00 min

Lab File: VL0405ABS01 ClientSampleId:

Acq: 5 Apr 2022 22:29

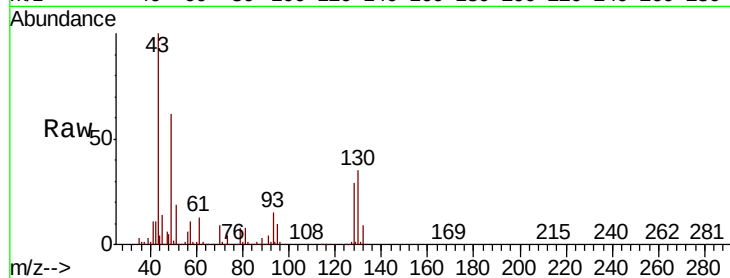
Tot Ion: 49 Resp: 1429450

Ion Ratio Lower Upper

49 100

128 47.8 24.1 72.3

130 60.9 30.9 92.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.66

800000

600000

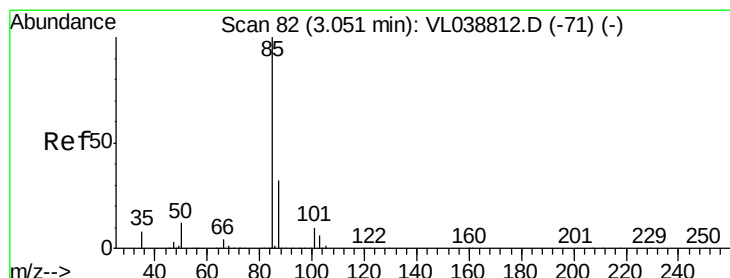
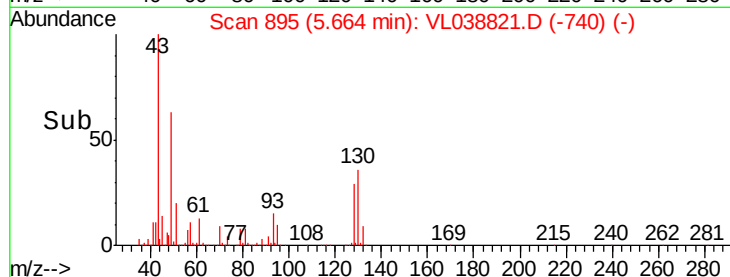
400000

200000

0

5.60 5.65 5.70 5.75

Time-->



#2

Dichlorodifluoromethane

Concen: 10.287 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.00 min

Lab File: VL038821.D

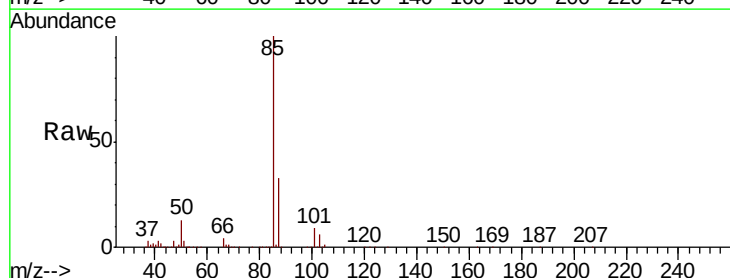
Acq: 5 Apr 2022 22:29

Tgt Ion: 85 Resp: 2085718

Ion Ratio Lower Upper

85 100

87 33.2 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.05

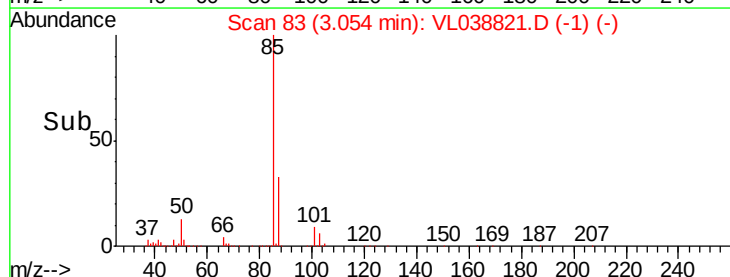
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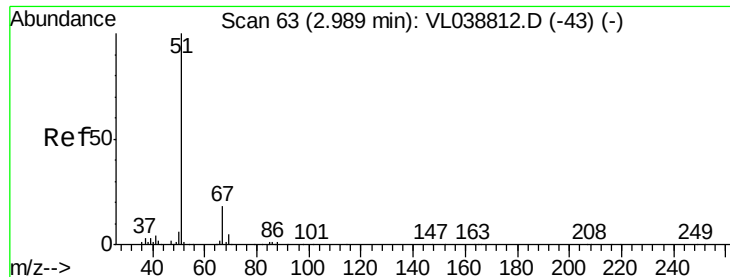
500000

0

3.00 3.05 3.10 3.15

Time-->





#3

Chlorodifluoromethane

Concen: 9.489 ppbv

RT: 2.99 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

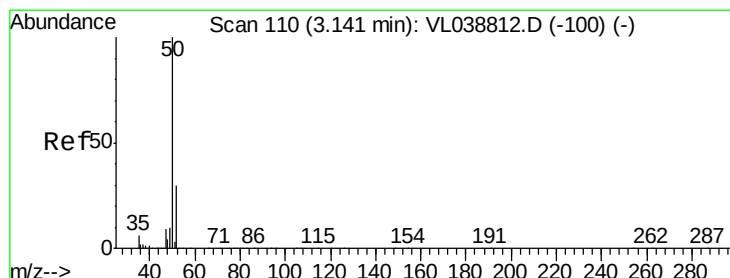
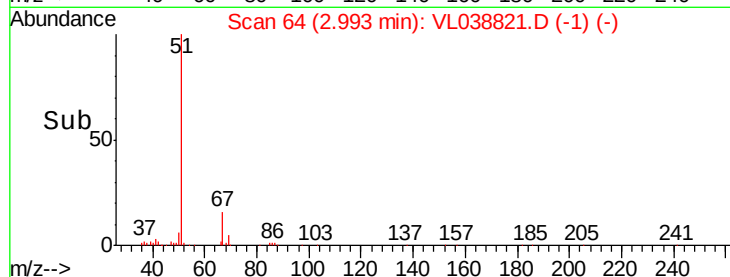
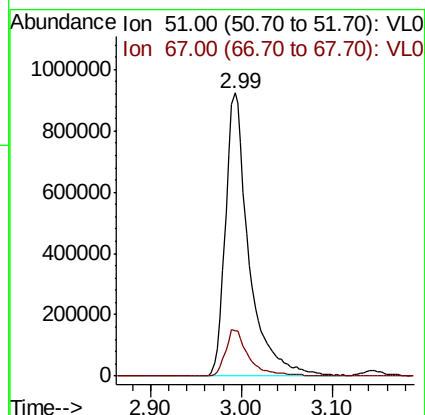
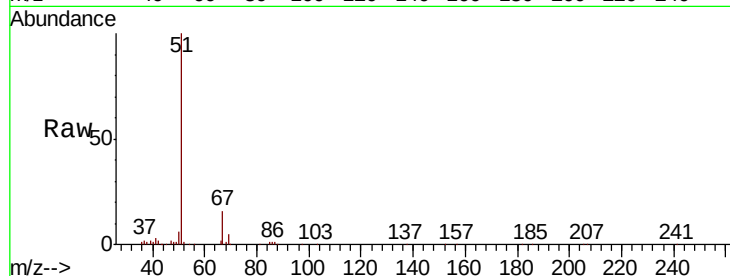
Acq: 5 Apr 2022 22:29 VL0405ABS01

Tot Ion: 51 Resp: 1655398

Ion Ratio Lower Upper

51 100

67 16.6 13.4 20.0



#4

Chloromethane

Concen: 9.550 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL038821.D

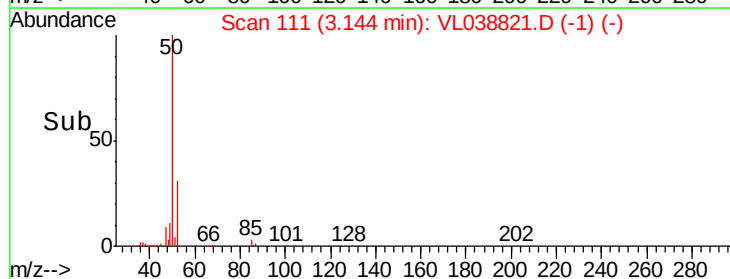
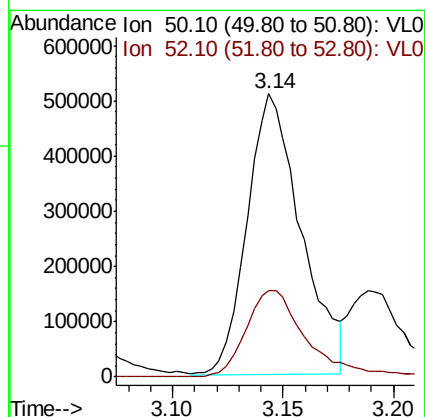
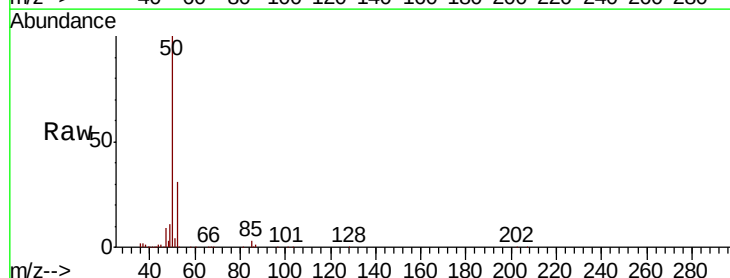
Acq: 5 Apr 2022 22:29

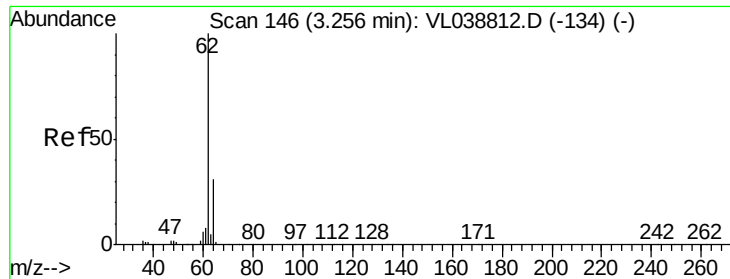
Tgt Ion: 50 Resp: 862649

Ion Ratio Lower Upper

50 100

52 31.0 24.3 36.5





#5

Vinyl Chloride

Concen: 9.434 ppbv

RT: 3.26 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

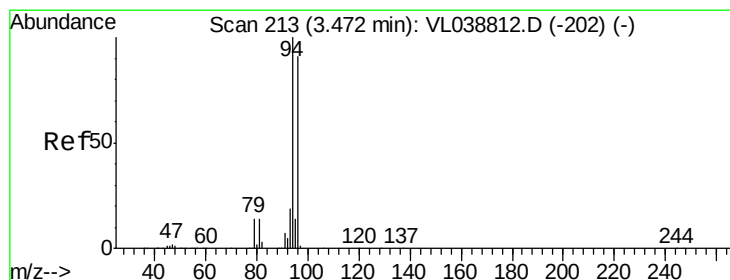
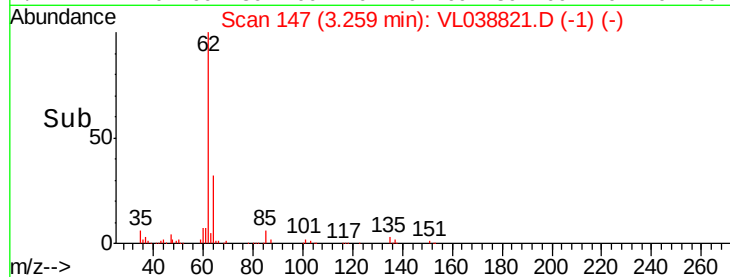
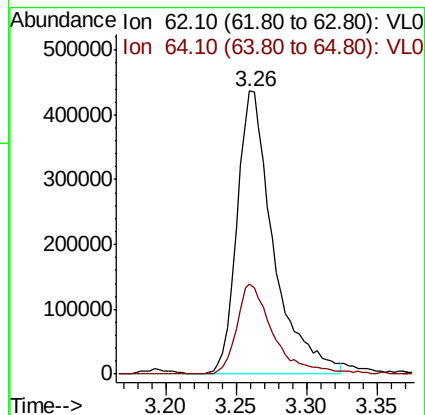
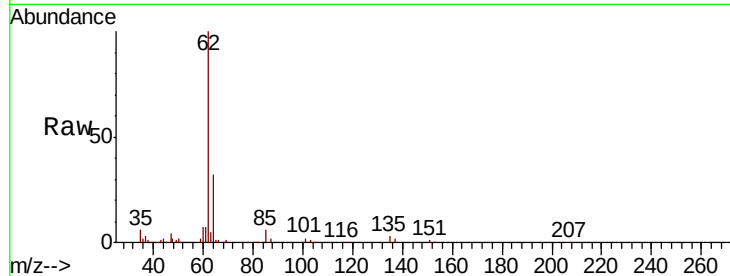
Acq: 5 Apr 2022 22:29 VL0405ABS01

Tot Ion: 62 Resp: 787433

Ion Ratio Lower Upper

62 100

64 31.7 24.6 37.0



#6

Bromomethane

Concen: 9.437 ppbv

RT: 3.48 min Scan# 215

Delta R.T. 0.01 min

Lab File: VL038821.D

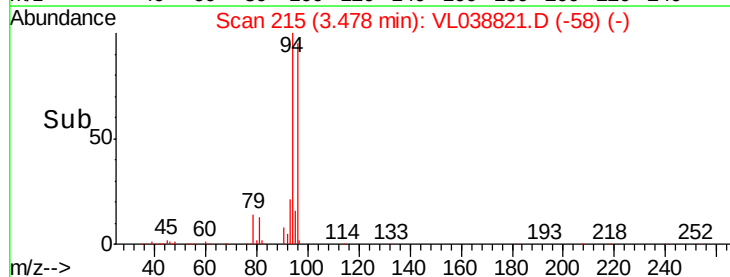
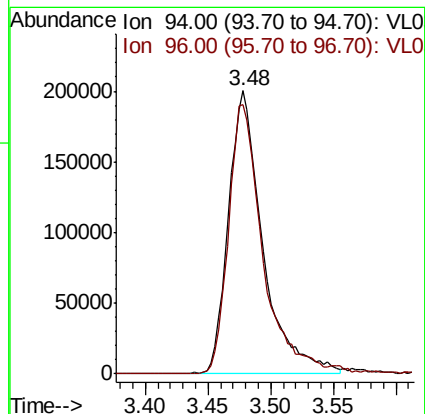
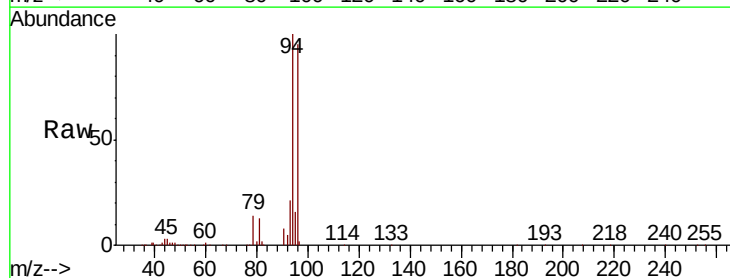
Acq: 5 Apr 2022 22:29

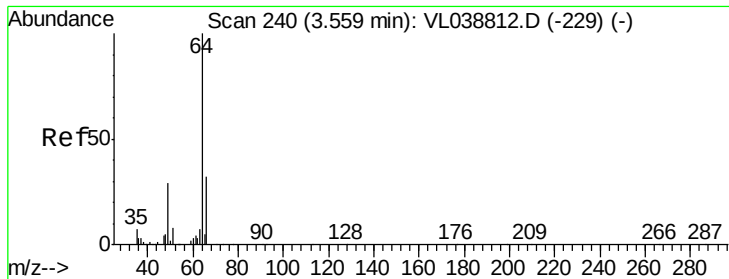
Tgt Ion: 94 Resp: 381088

Ion Ratio Lower Upper

94 100

96 95.4 73.2 109.8





#7

Chloroethane

Concen: 9.391 ppbv

RT: 3.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

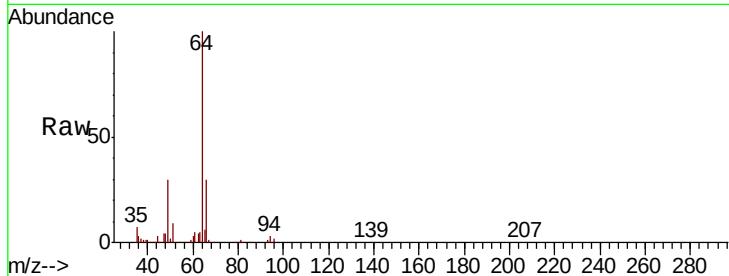
Acq: 5 Apr 2022 22:29 VL0405ABS01

Tot Ion: 64 Resp: 261396

Ion Ratio Lower Upper

64 100

66 30.0 25.4 38.2



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.56

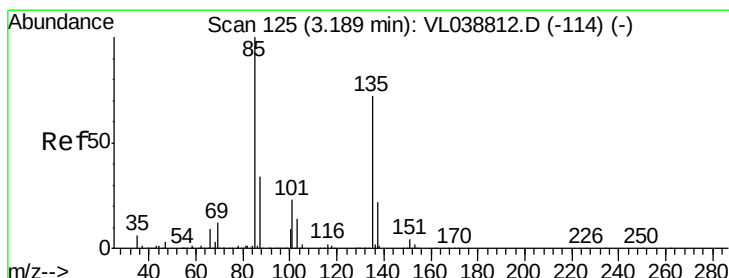
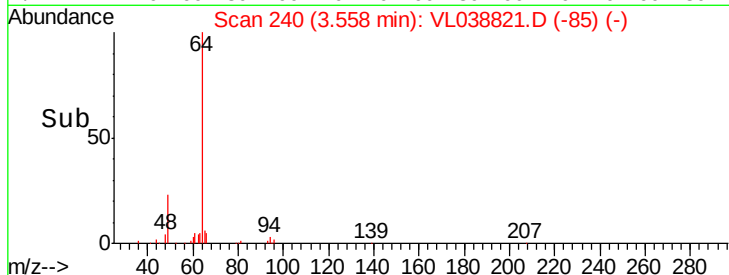
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.357 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.00 min

Lab File: VL038821.D

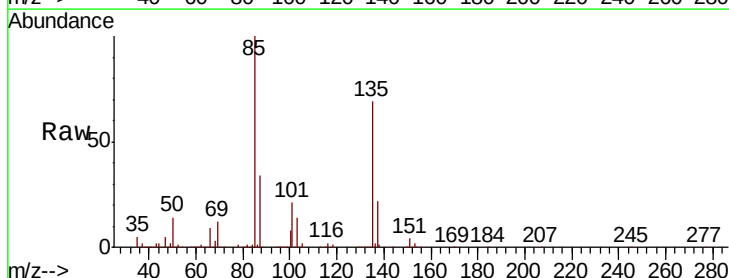
Acq: 5 Apr 2022 22:29

Tgt Ion: 85 Resp: 1772176

Ion Ratio Lower Upper

85 100

135 70.8 57.0 85.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

1200000

1000000

800000

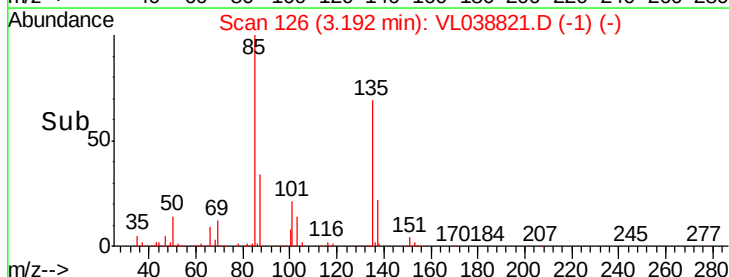
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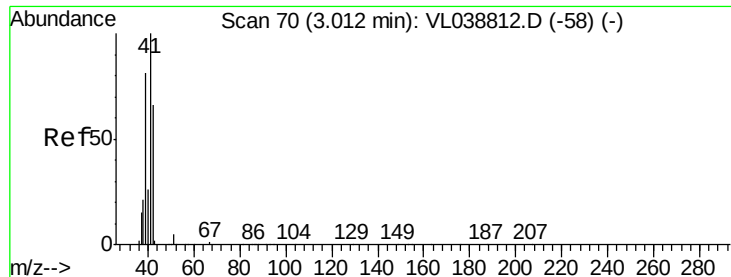
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200000

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Time-->





#9

Propene

Concen: 9.466 ppbv

RT: 3.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

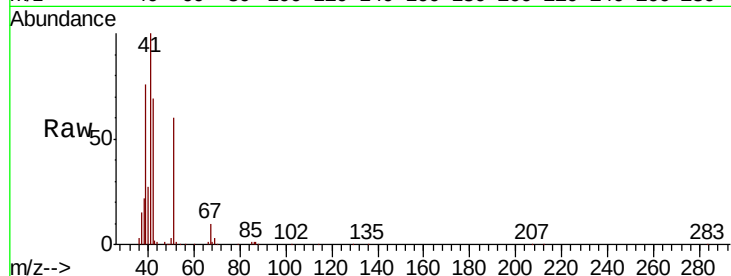
Acq: 5 Apr 2022 22:29 VL0405ABS01

Tot Ion: 41 Resp: 873682

Ion Ratio Lower Upper

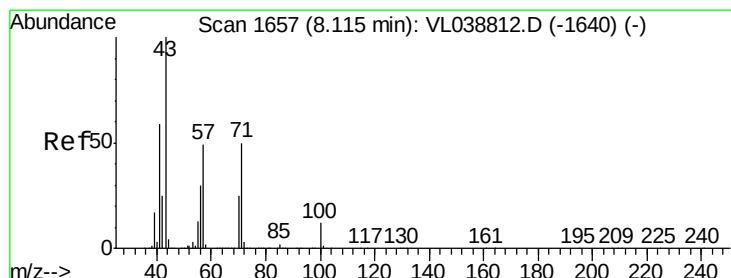
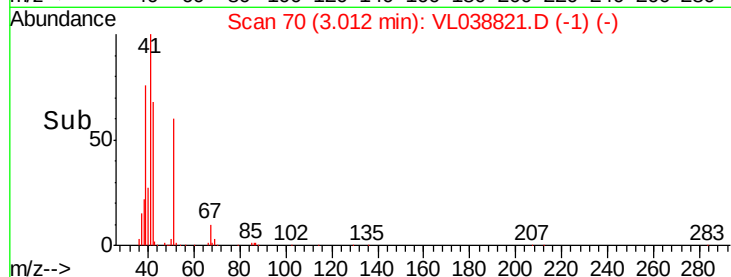
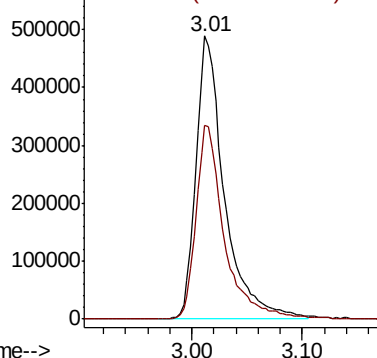
41 100

42 68.8 54.2 81.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 9.364 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. 0.01 min

Lab File: VL038821.D

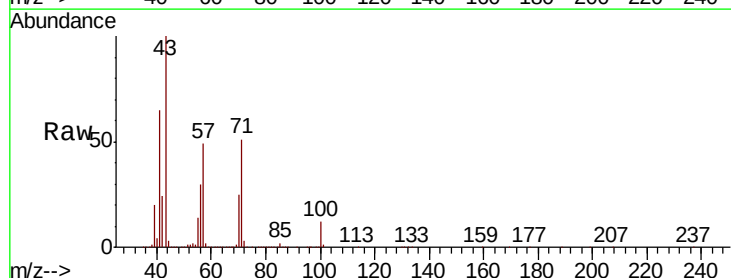
Acq: 5 Apr 2022 22:29

Tgt Ion: 43 Resp: 2177088

Ion Ratio Lower Upper

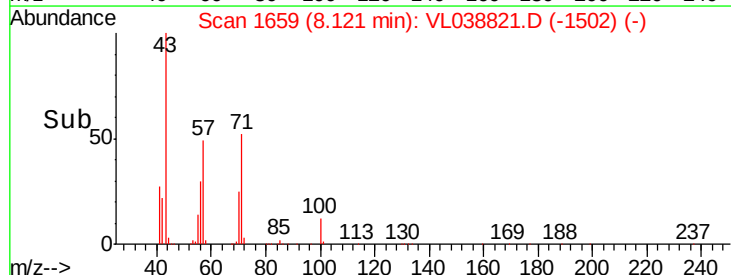
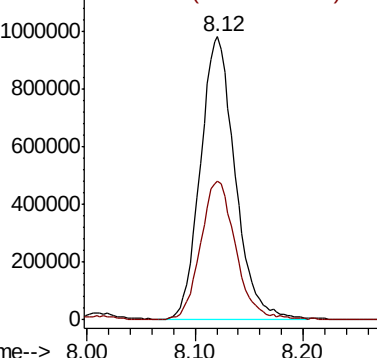
43 100

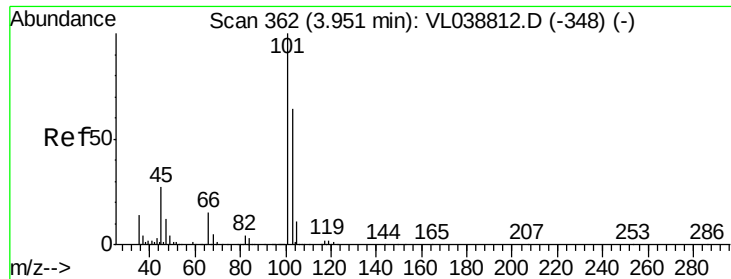
57 50.2 39.3 58.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

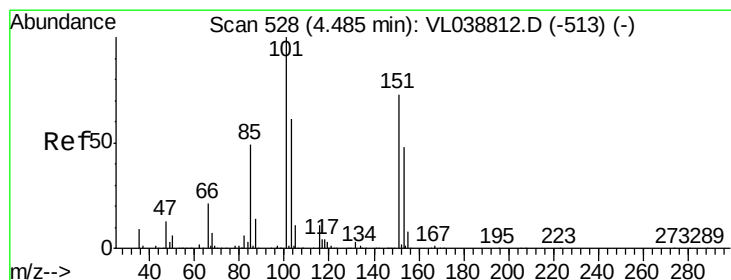
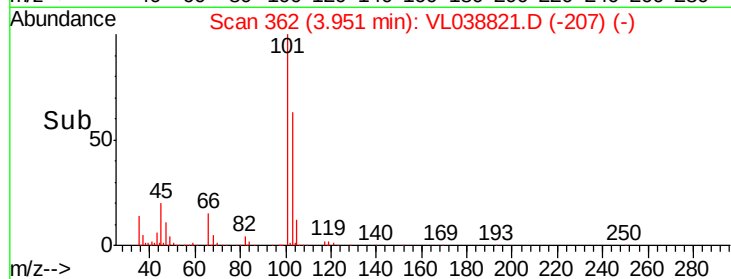
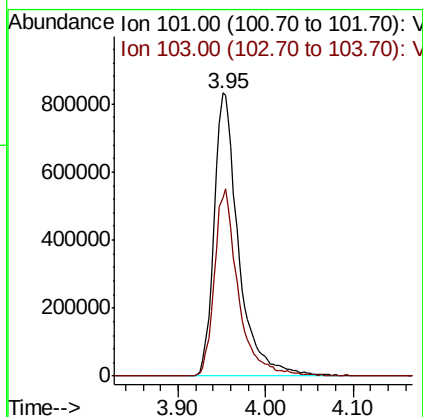
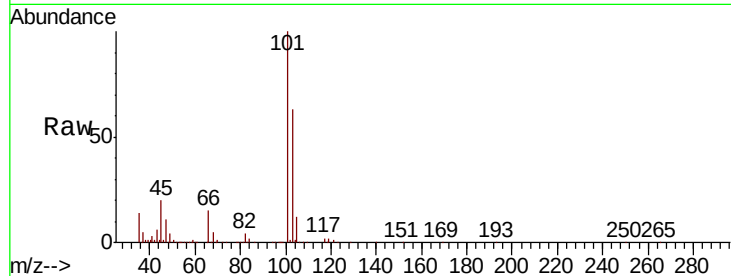
Ion 57.10 (56.80 to 57.80): VL0





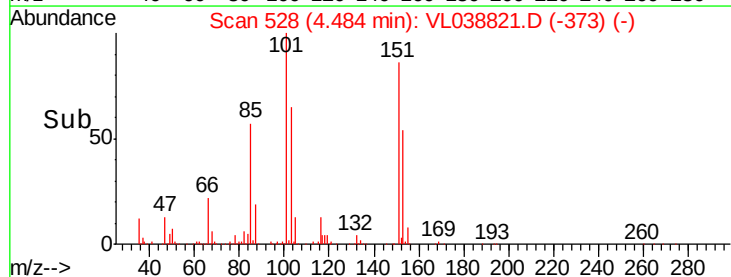
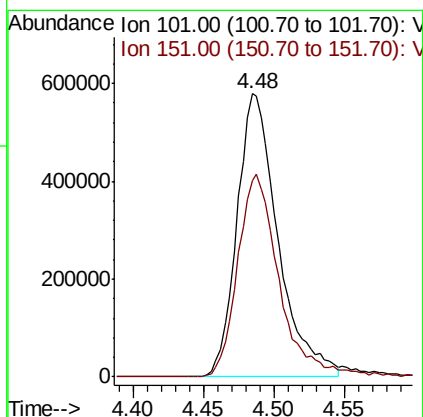
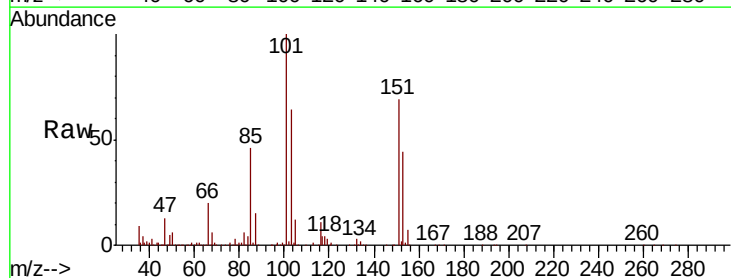
#11
 Trichlorofluoromethane
 Concen: 9.920 ppbv
 RT: 3.95
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VL0405ABS01
 Acq: 5 Apr 2022 22:29

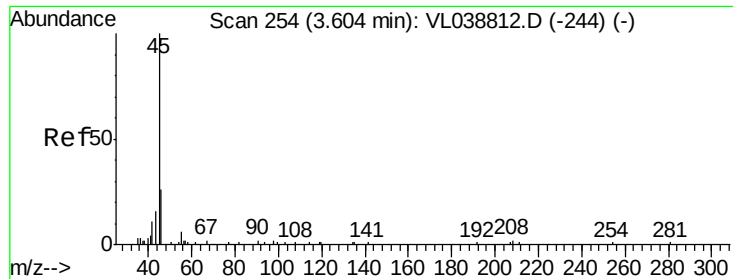
Tot Ion:101 Resp: 1616223
 Ion Ratio Lower Upper
 101 100
 103 63.0 51.4 77.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.477 ppbv
 RT: 4.48 min Scan# 528
 Delta R.T. -0.00 min
 Lab File: VL038821.D
 Acq: 5 Apr 2022 22:29

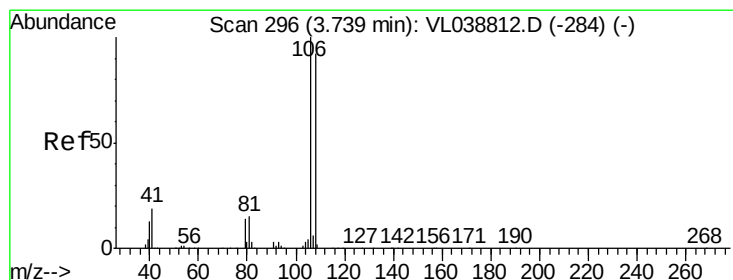
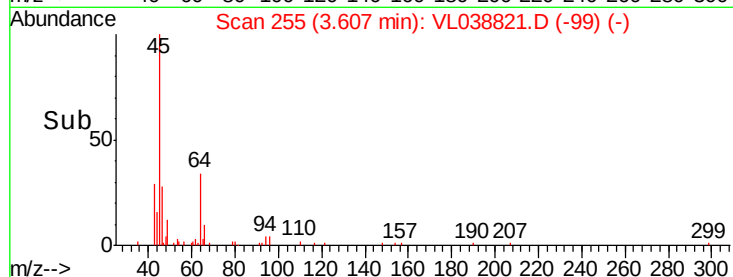
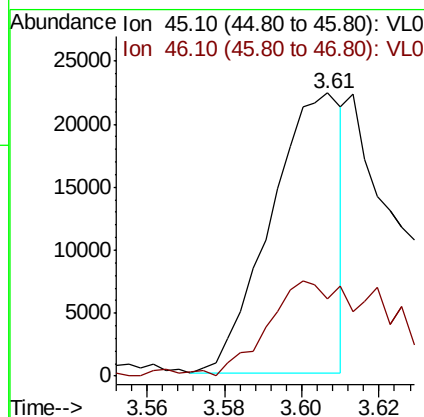
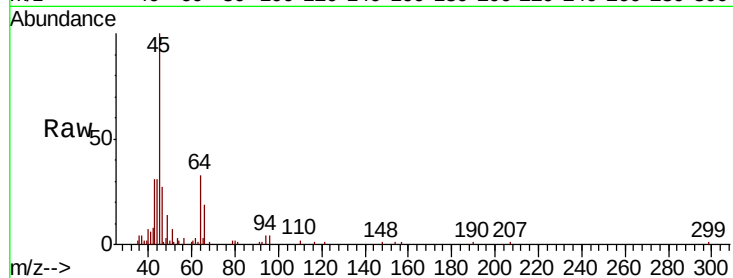
Tgt Ion:101 Resp: 1182688
 Ion Ratio Lower Upper
 101 100
 151 73.0 59.9 89.9





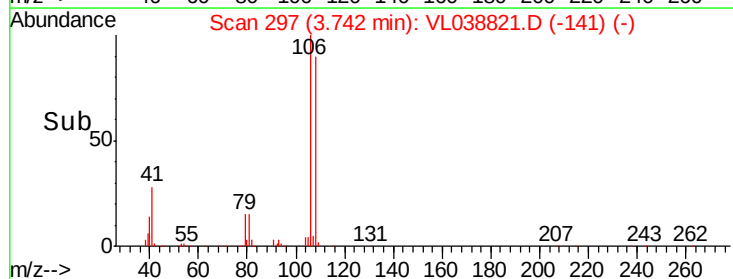
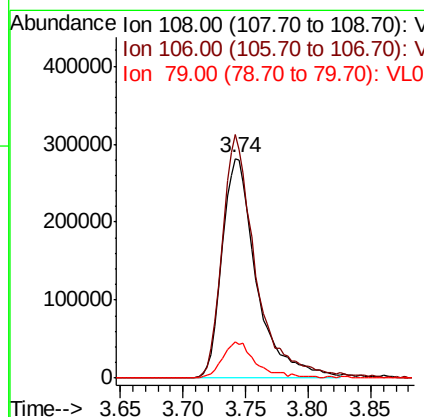
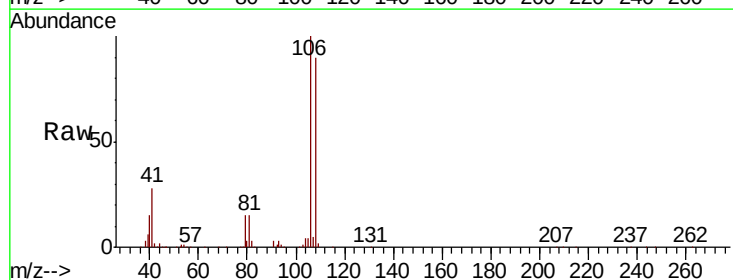
#13
Ethanol
Concen: 5.037 ppbv
RT: 3.61
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 5 Apr 2022 22:29

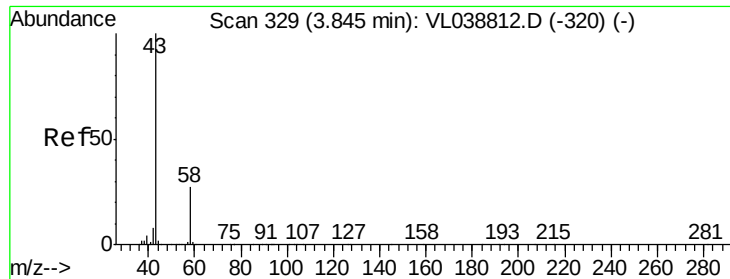
Tot Ion: 45 Resp: 28254
Ion Ratio Lower Upper
45 100
46 70.9 0.0 0.0#



#14
Bromoethene
Concen: 9.810 ppbv
RT: 3.74 min Scan# 297
Delta R.T. 0.00 min
Lab File: VL038821.D
Acq: 5 Apr 2022 22:29

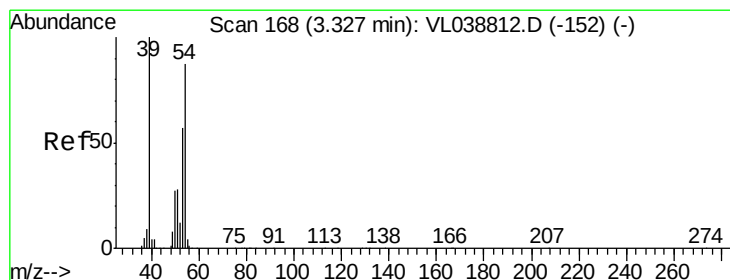
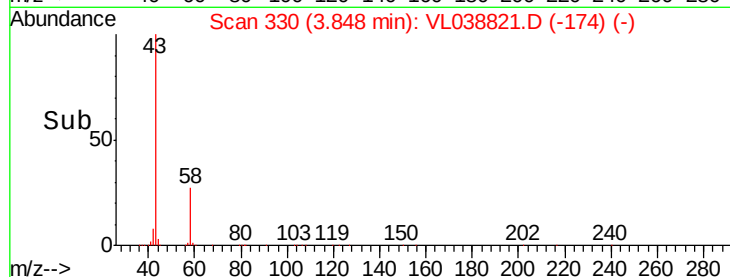
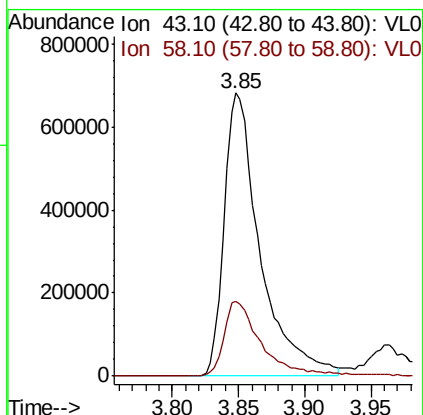
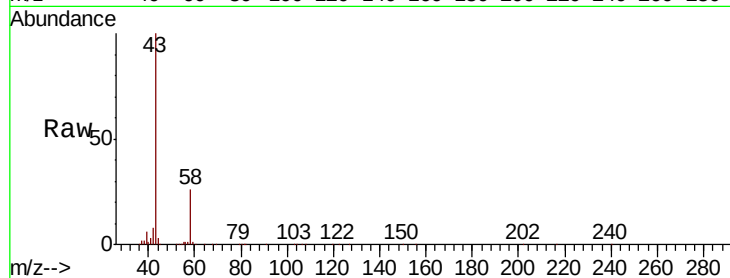
Tgt Ion: 108 Resp: 538406
Ion Ratio Lower Upper
108 100
106 108.5 91.5 137.3
79 16.2 13.7 20.5





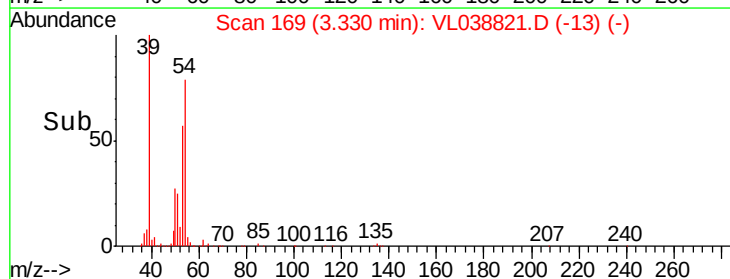
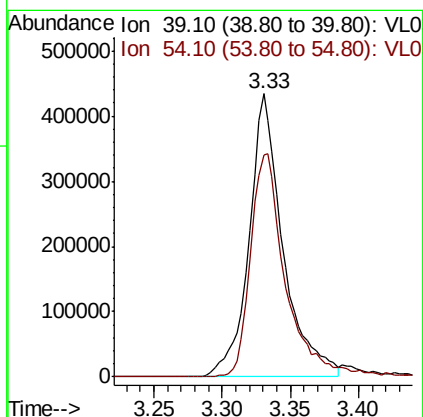
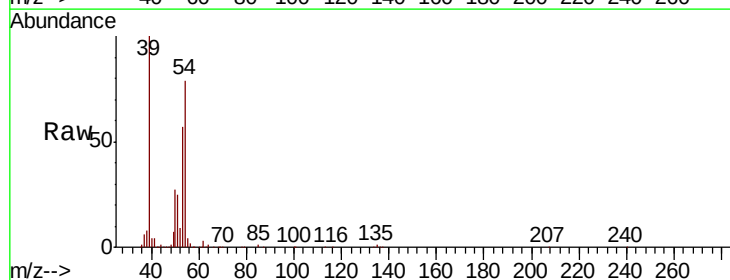
#15
Acetone
Concen: 9.009 ppbv
RT: 3.85
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 5 Apr 2022 22:29

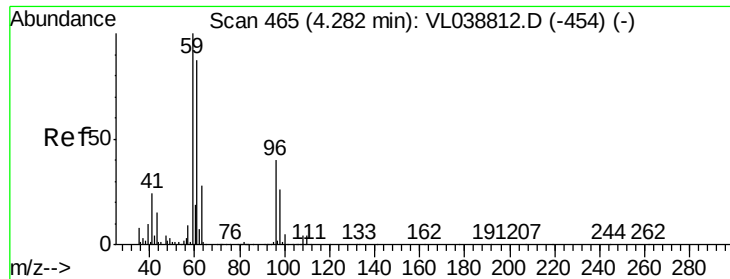
Tot Ion: 43 Resp: 1282133
Ion Ratio Lower Upper
43 100
58 28.0 22.5 33.7



#16
1,3-Butadiene
Concen: 9.230 ppbv
RT: 3.33 min Scan# 169
Delta R.T. 0.00 min
Lab File: VL038821.D
Acq: 5 Apr 2022 22:29

Tgt Ion: 39 Resp: 750941
Ion Ratio Lower Upper
39 100
54 82.5 64.8 97.2





#17

tert-Butyl alcohol

Concen: 9.505 ppbv

RT: 4.29 Instrument: MSVOA_1

Delta R.T. 0.00 min

Lab File: VL0405ABS01 ClientSampleId:

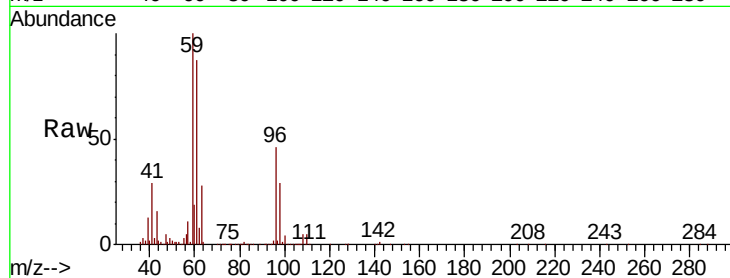
Acq: 5 Apr 2022 22:29

Tot Ion: 59 Resp: 1213072

Ion Ratio Lower Upper

59 100

57 10.4 8.5 12.7



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.29

600000

500000

400000

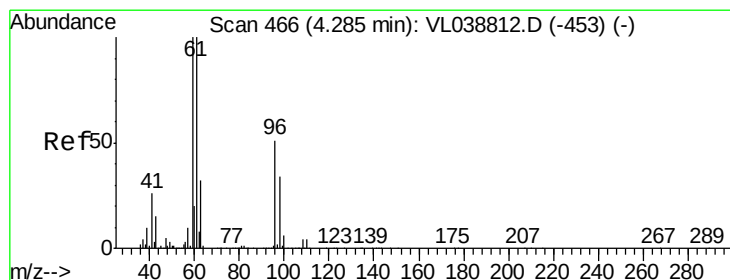
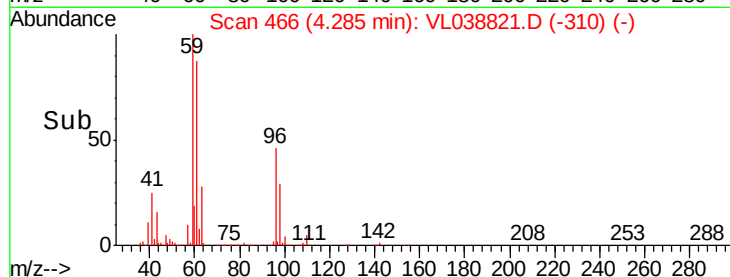
300000

200000

100000

0

Time--> 4.20 4.30 4.40



#18

1,1-Dichloroethene

Concen: 9.555 ppbv

RT: 4.29 min Scan# 467

Delta R.T. 0.00 min

Lab File: VL038821.D

Acq: 5 Apr 2022 22:29

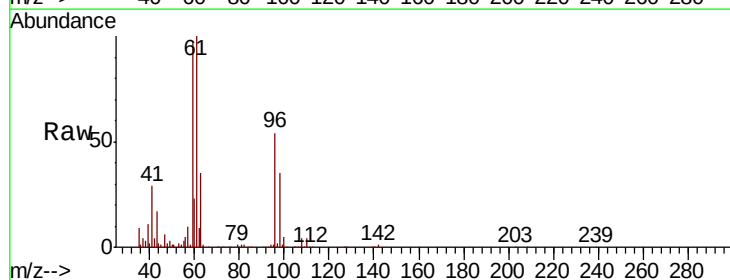
Tgt Ion: 96 Resp: 543623

Ion Ratio Lower Upper

96 100

61 185.3 156.1 234.1

98 64.3 53.0 79.6



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

4.29

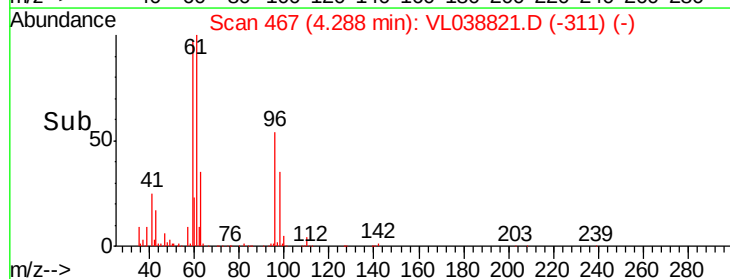
600000

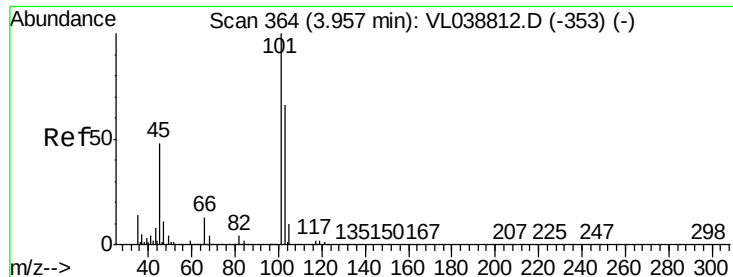
400000

200000

0

Time--> 4.20 4.25 4.30 4.35 4.40





#19

Isopropyl Alcohol

Concen: 8.906 ppbv

RT: 3.96 Instrument: MSVOA_1

Delta R.T. 0.00 min

Lab File: ClientSampleId: VL0405ABS01

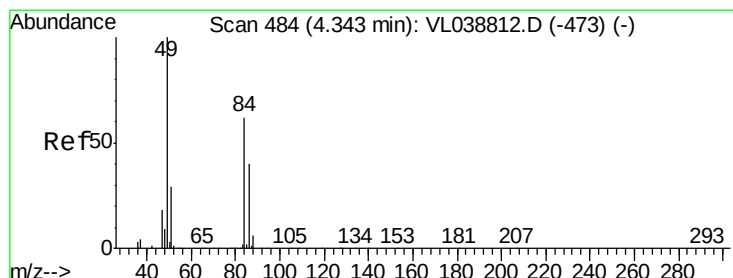
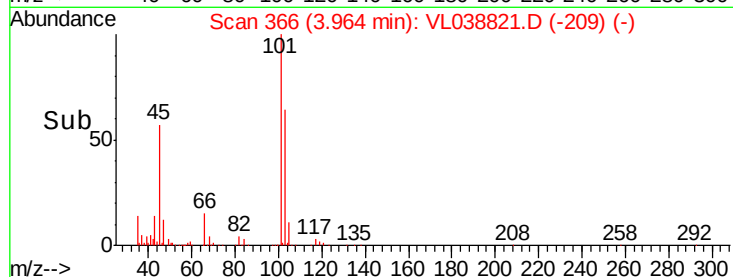
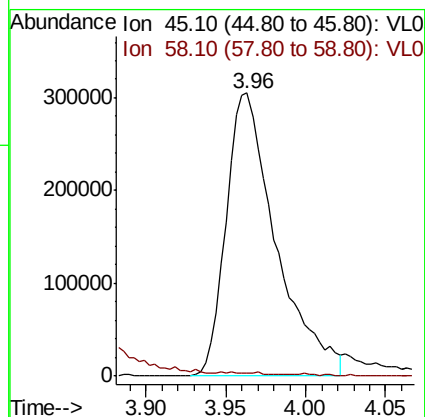
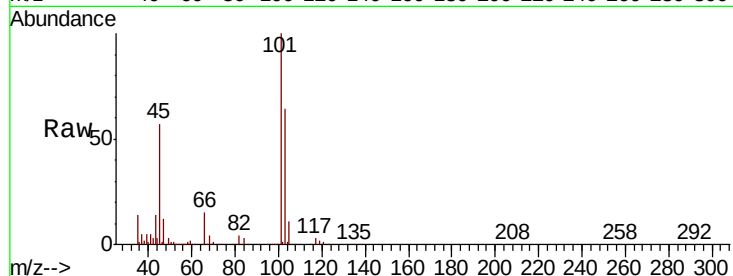
Acq: 5 Apr 2022 22:29

Tot Ion: 45 Resp: 647763

Ion Ratio Lower Upper

45 100

58 54.6 0.0 0.0#



#20

Methylene Chloride

Concen: 8.774 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.00 min

Lab File: VL038821.D

Acq: 5 Apr 2022 22:29

Tgt Ion: 84 Resp: 452856

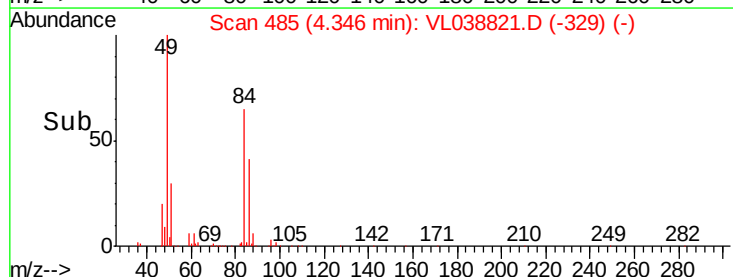
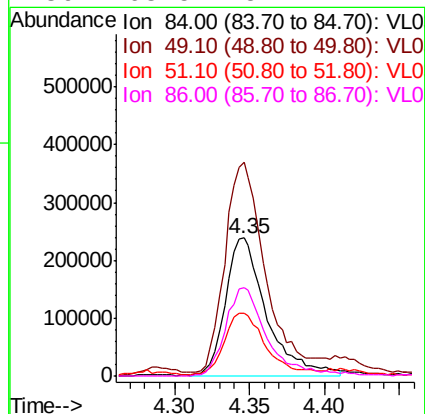
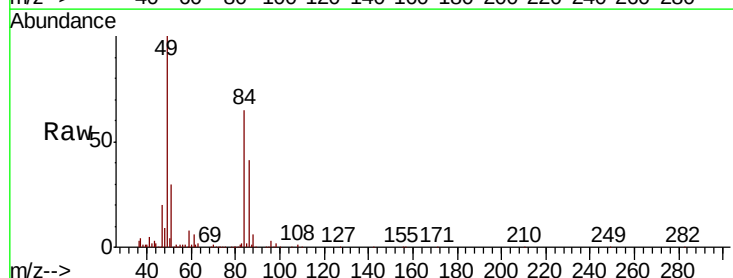
Ion Ratio Lower Upper

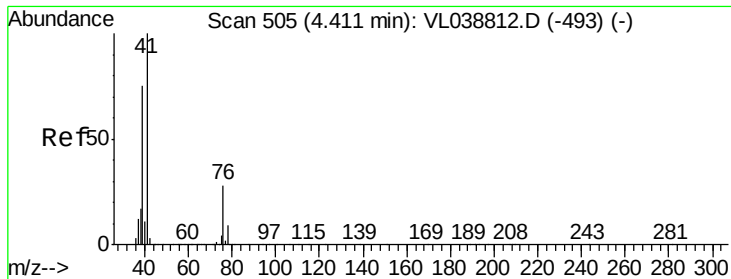
84 100

49 152.8 129.4 194.0

51 44.8 37.4 56.2

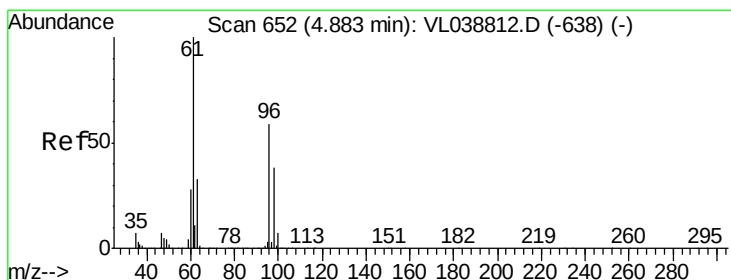
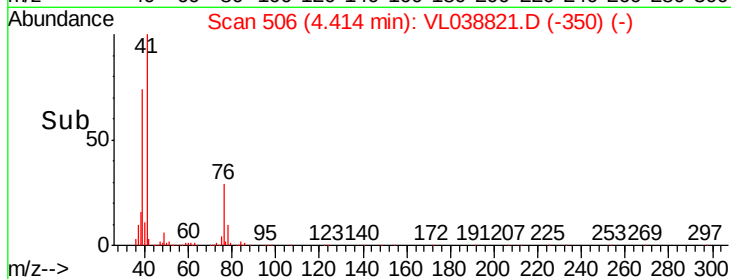
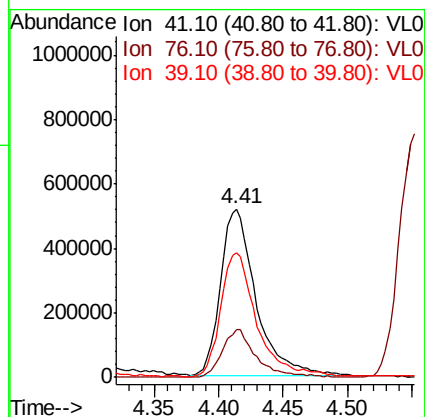
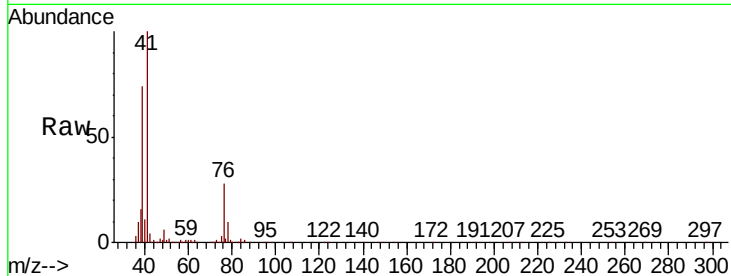
86 63.5 51.4 77.2





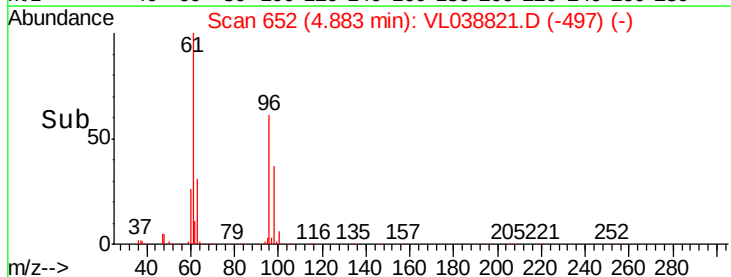
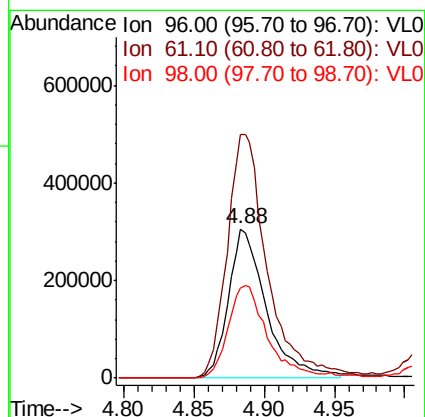
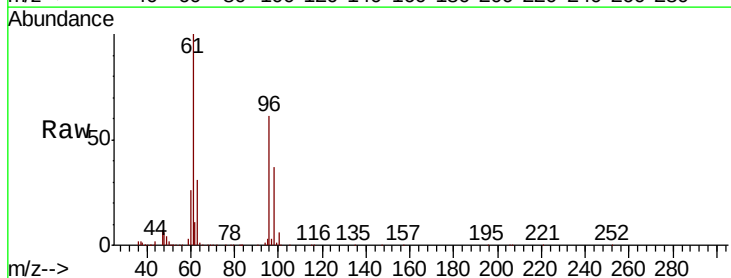
#21
 Allvl Chloride
 Concen: 9.210 ppbv
 RT: 4.41
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId : VL0405ABS01
 Acq: 5 Apr 2022 22:29

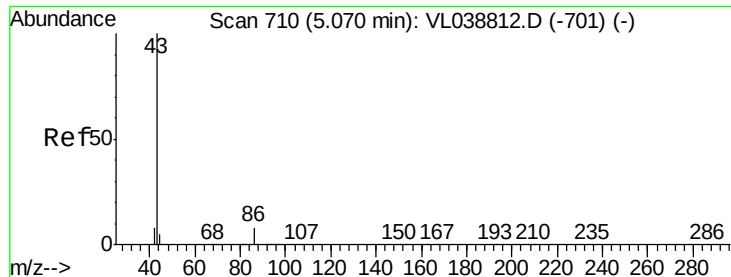
Tot Ion	41	Resp	981339
Ion Ratio	100		
Lower	23.7		
Upper	35.5		
39	76.3	62.0	93.0



#22
 trans-1,2-Dichloroethene
 Concen: 9.955 ppbv
 RT: 4.88 min Scan# 652
 Delta R.T. -0.00 min
 Lab File: VL038821.D
 Acq: 5 Apr 2022 22:29

Tgt Ion	96	Resp	573419
Ion Ratio	100		
Lower	134.8		
Upper	202.2		
98	60.6	51.9	77.9

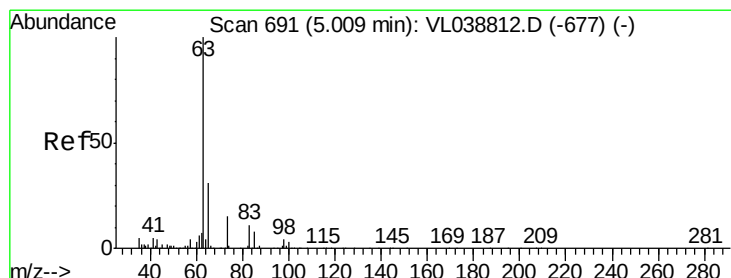
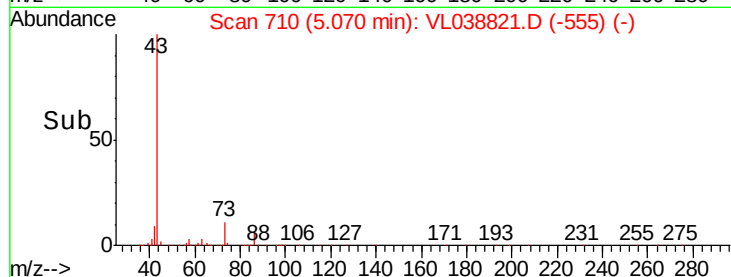
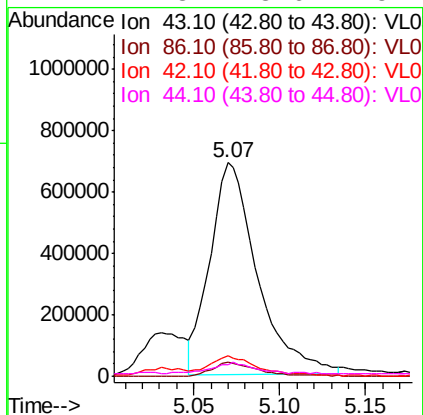
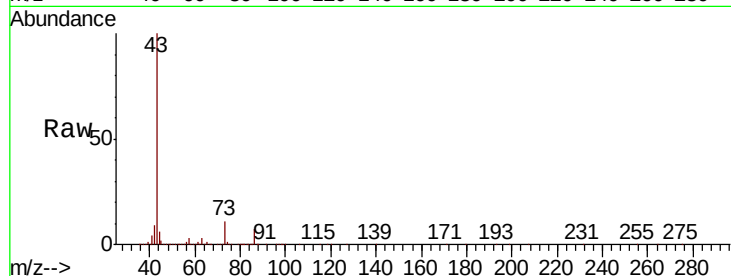




#23
 Vinyl Acetate
 Concen: 9.597 ppbv
 RT: 5.07
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 Acq: 5 Apr 2022 22:29

Tot Ion: 43 Resp: 1330124

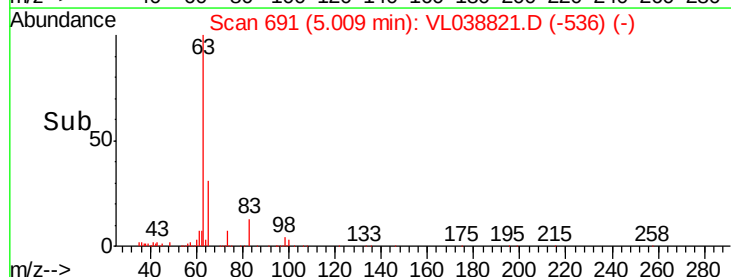
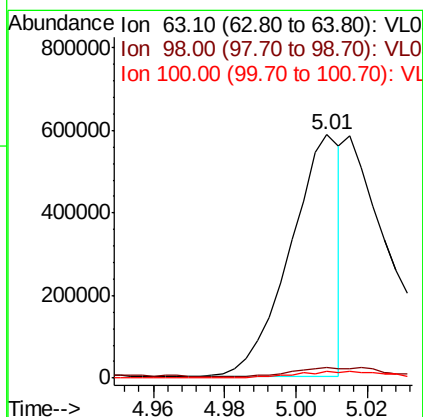
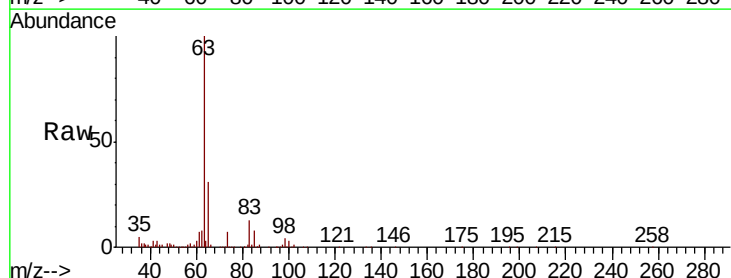
Ion	Ratio	Lower	Upper
43	100		
86	6.6	5.8	8.6
42	9.3	7.8	11.6
44	4.3	3.6	5.4

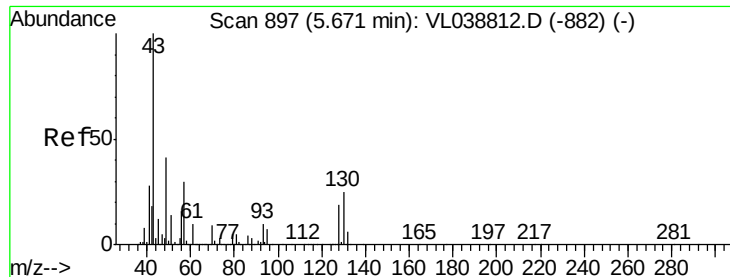


#24
 1,1-Dichloroethane
 Concen: 4.582 ppbv
 RT: 5.01 min Scan# 691
 Delta R.T. -0.00 min
 Lab File: VL038821.D
 Acq: 5 Apr 2022 22:29

Tgt Ion: 63 Resp: 573872

Ion	Ratio	Lower	Upper
63	100		
98	3.5	2.2	6.6
100	2.9	1.4	4.0

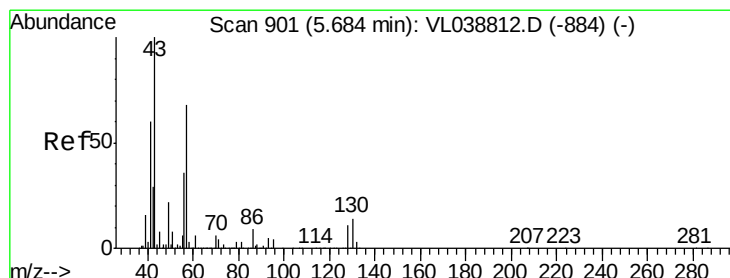
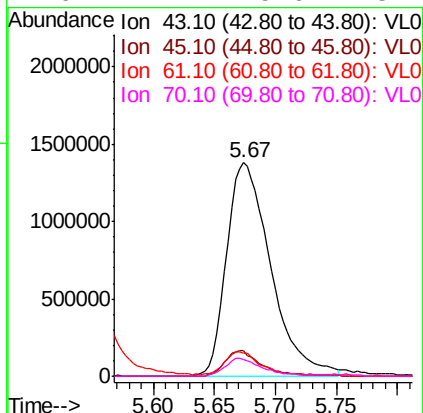
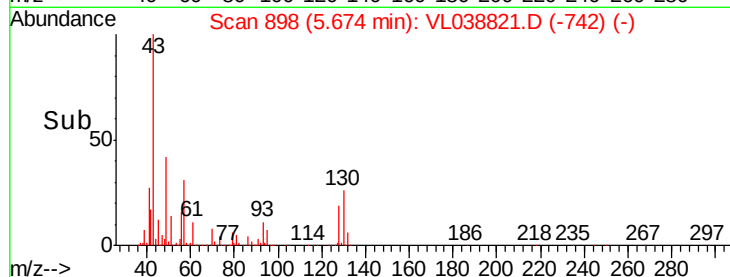
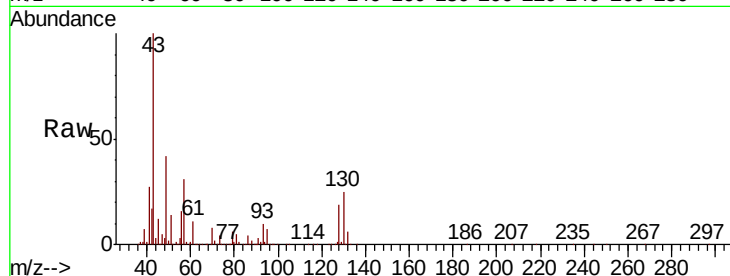




#25
Ethyl Acetate
Concen: 9.580 ppbv
RT: 5.67
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
VL0405ABS01
Acq: 5 Apr 2022 22:29

Tot Ion: 43 Resp: 3459260

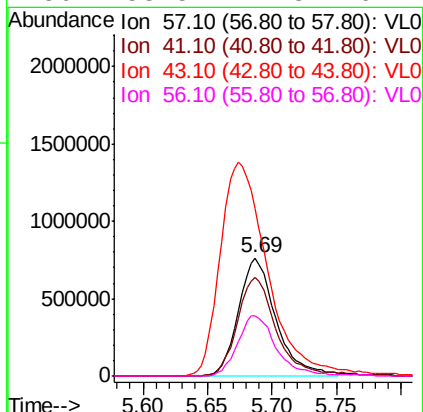
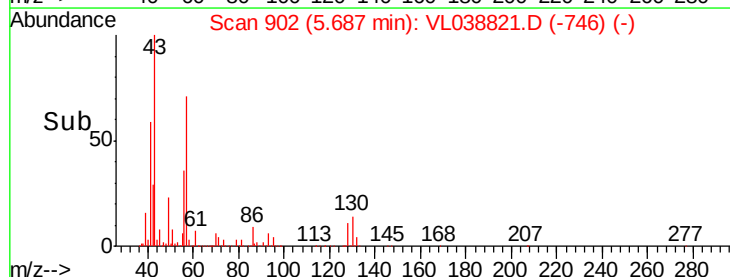
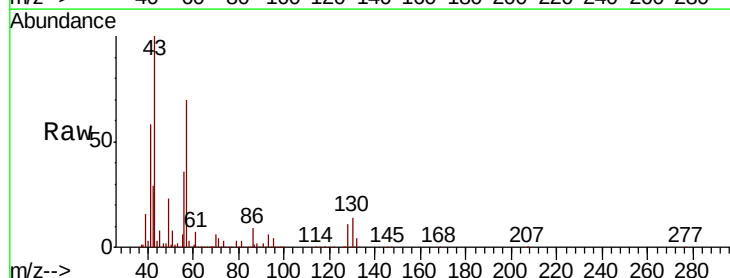
Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.4	12.6
61	10.2	7.9	11.9
70	7.2	5.6	8.4

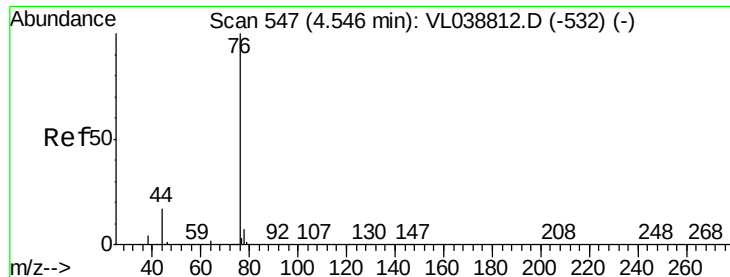


#26
Hexane
Concen: 9.403 ppbv
RT: 5.69 min Scan# 902
Delta R.T.: 0.00 min
Lab File: VL038821.D
Acq: 5 Apr 2022 22:29

Tgt Ion: 57 Resp: 1545578

Ion	Ratio	Lower	Upper
57	100		
41	87.3	72.0	108.0
43	230.0	186.6	280.0
56	53.5	42.8	64.2





#27

Carbon Disulfide

Concen: 9.893 ppbv

RT: 4.55 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL0405ABS01

Acq: 5 Apr 2022 22:29

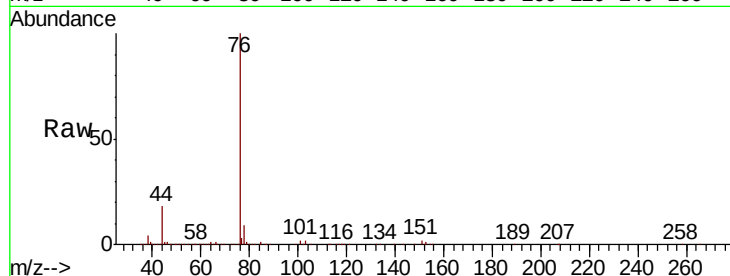
Tot Ion: 76 Resp: 1491168

Ion	Ratio	Lower	Upper
76	100		
44	18.6	15.7	23.5
78	9.4	7.8	11.8

76 100

44 18.6 15.7 23.5

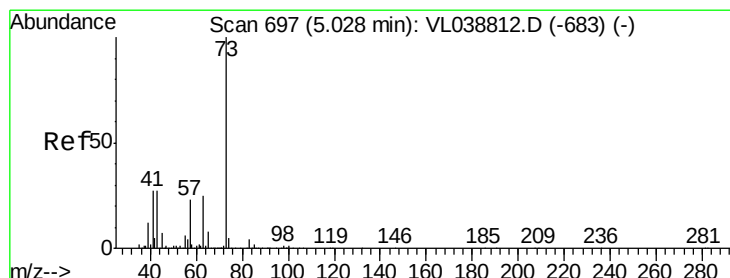
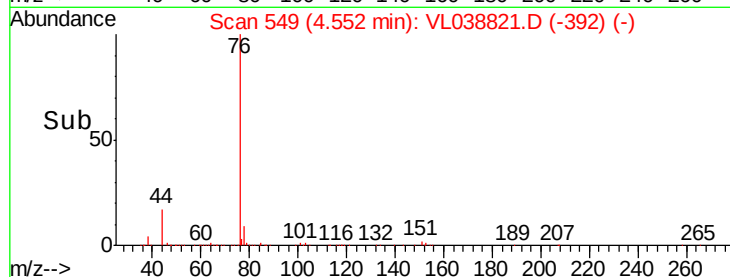
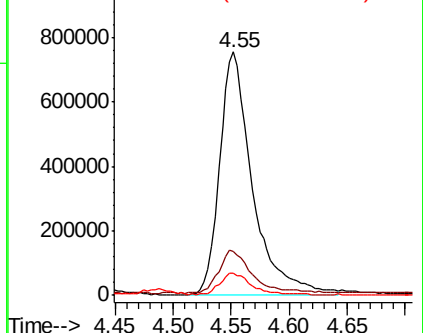
78 9.4 7.8 11.8



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 9.374 ppbv

RT: 5.03 min Scan# 699

Delta R.T. 0.01 min

Lab File: VL038821.D

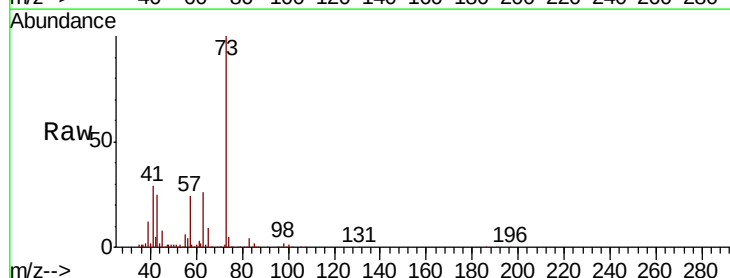
Acq: 5 Apr 2022 22:29

Tgt Ion: 73 Resp: 1189956

Ion	Ratio	Lower	Upper
73	100		
57	24.3	19.7	29.5

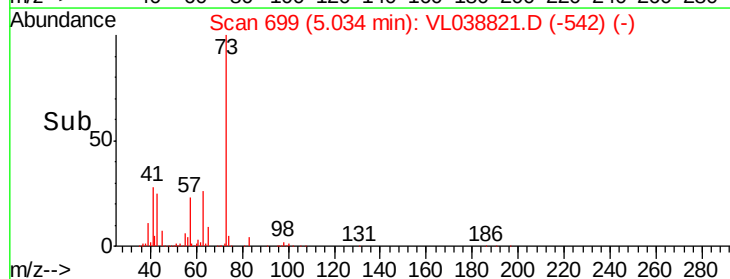
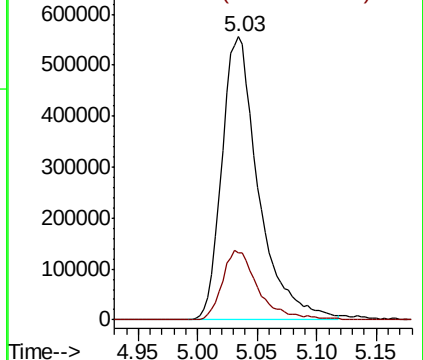
73 100

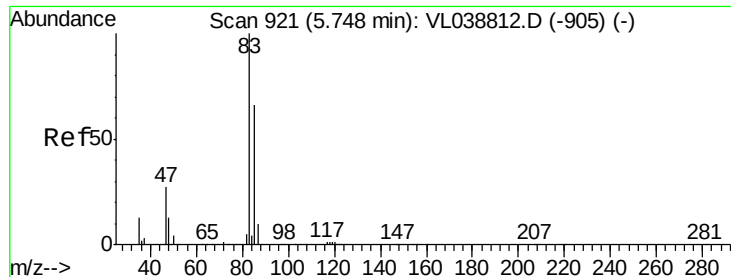
57 24.3 19.7 29.5



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 9.768 ppbv

RT: 5.75 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

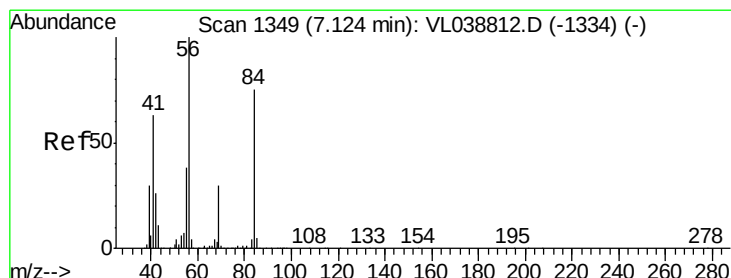
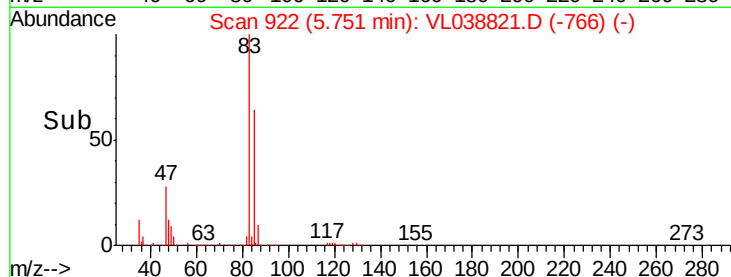
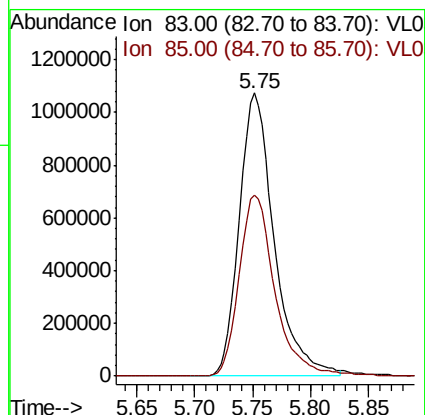
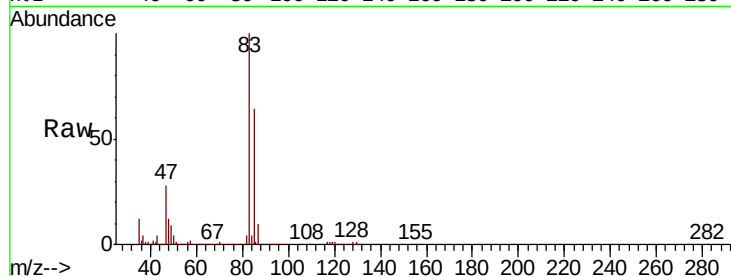
Acq: 5 Apr 2022 22:29 VL0405ABS01

Tot Ion: 83 Resp: 2246317

Ion Ratio Lower Upper

83 100

85 63.5 52.5 78.7



#30

Cyclohexane

Concen: 9.344 ppbv

RT: 7.13 min Scan# 1350

Delta R.T. 0.00 min

Lab File: VL038821.D

Acq: 5 Apr 2022 22:29

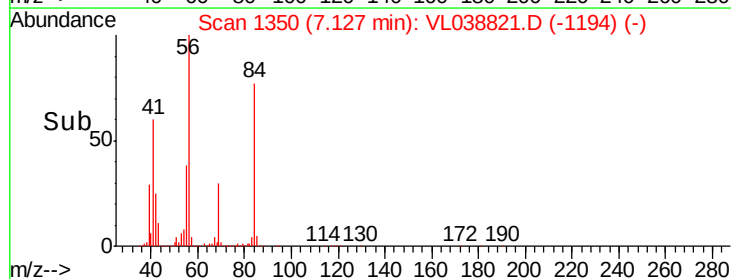
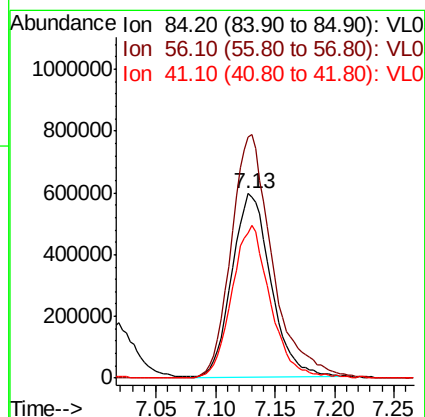
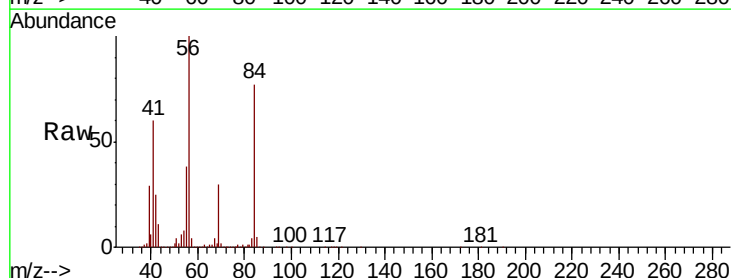
Tgt Ion: 84 Resp: 1353669

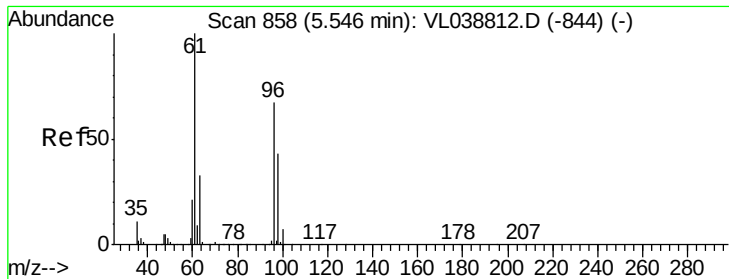
Ion Ratio Lower Upper

84 100

56 140.6 114.4 171.6

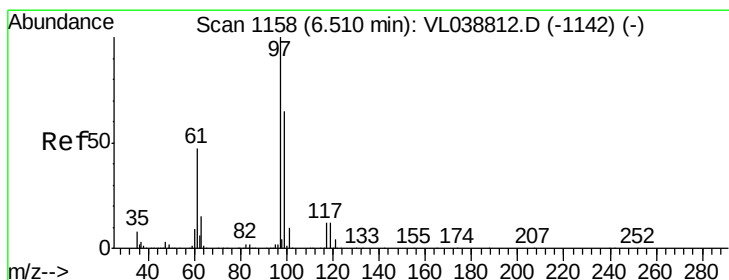
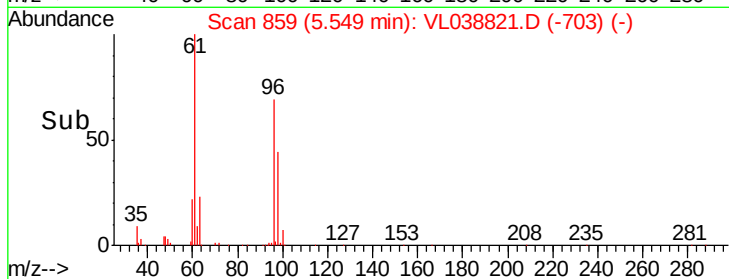
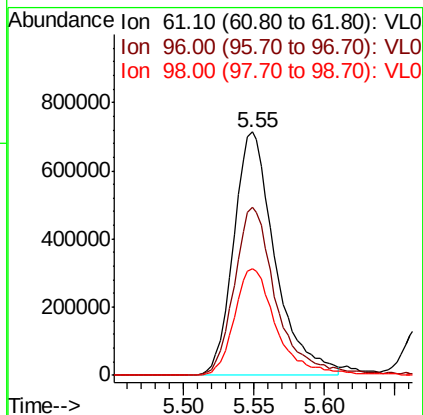
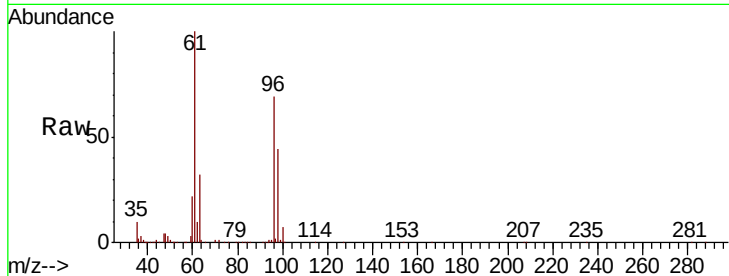
41 82.5 69.0 103.4





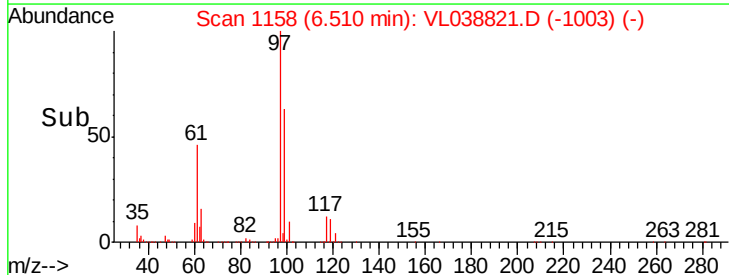
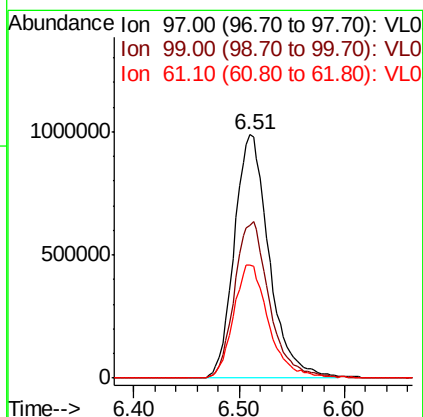
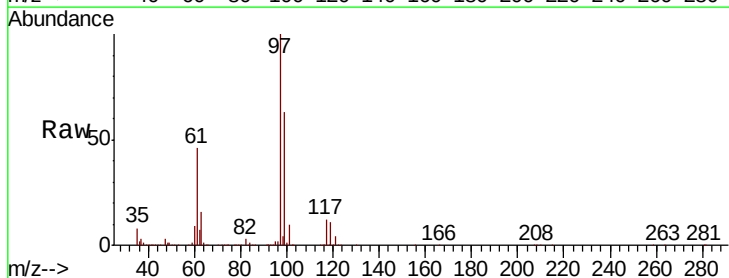
#31
 cis-1,2-Dichloroethene
 Concen: 9.732 ppbv
 RT: 5.55
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 5 Apr 2022 22:29

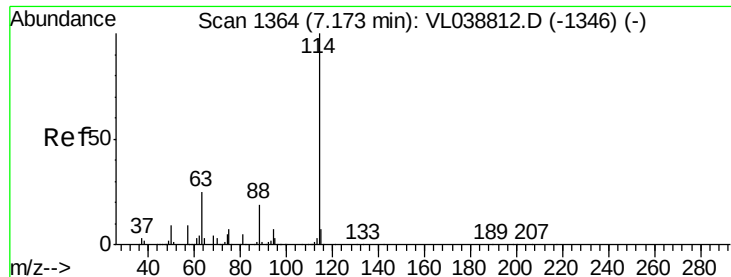
Tot Ion: 61 Resp: 1470780
 Ion Ratio Lower Upper
 61 100
 96 69.0 53.4 80.0
 98 43.6 34.2 51.4



#32
 1,1,1-Trichloroethane
 Concen: 9.767 ppbv
 RT: 6.51 min Scan# 1158
 Delta R.T. -0.00 min
 Lab File: VL038821.D
 Acq: 5 Apr 2022 22:29

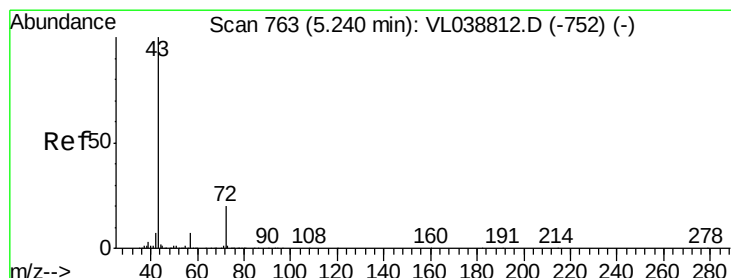
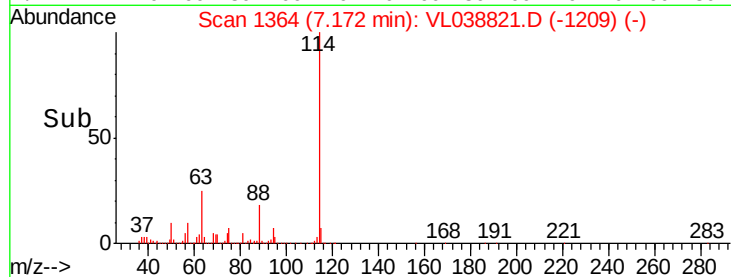
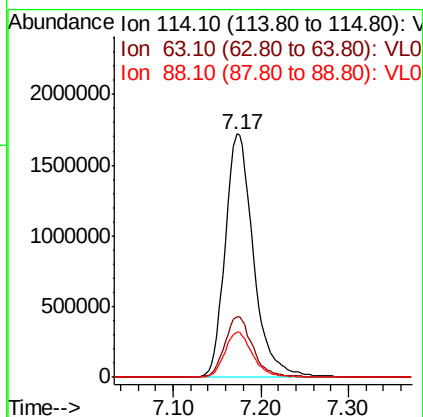
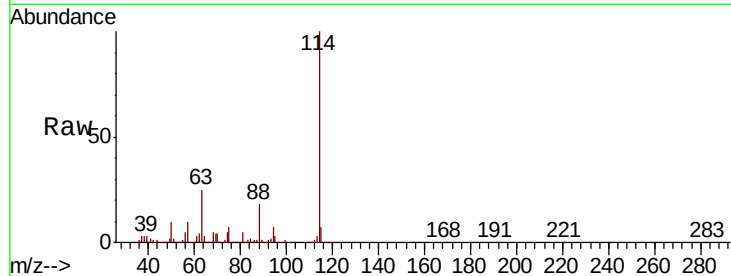
Tgt Ion: 97 Resp: 2263002
 Ion Ratio Lower Upper
 97 100
 99 65.0 52.4 78.6
 61 46.9 38.6 57.8





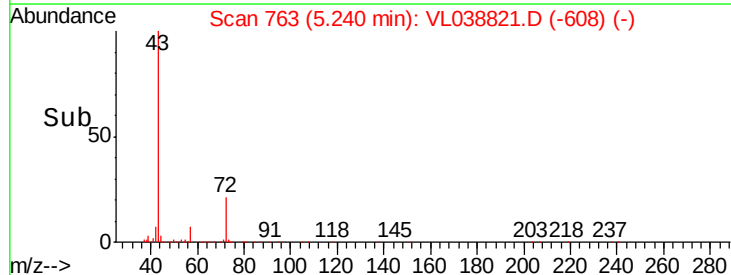
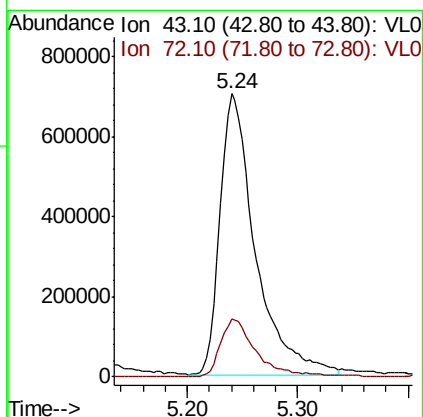
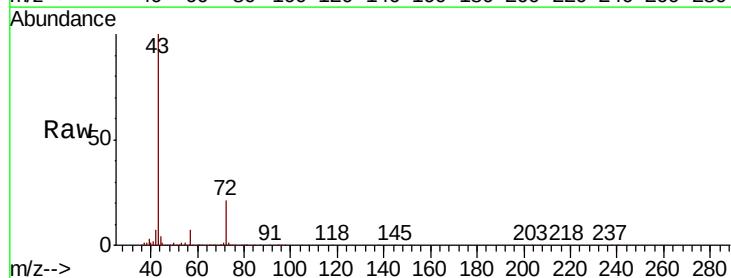
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VL0405ABS01
 Acq: 5 Apr 2022 22:29

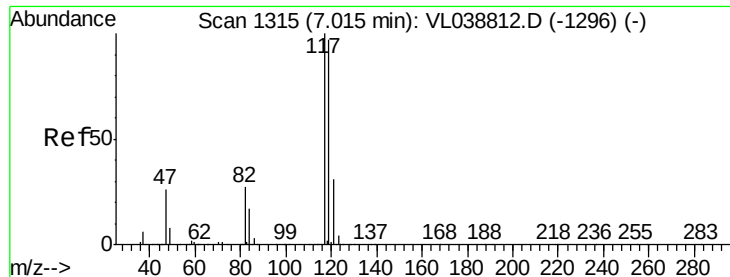
Tot Ion:114 Resp: 3866838
 Ion Ratio Lower Upper
 114 100
 63 24.9 19.8 29.8
 88 18.3 14.2 21.4



#34
 2-Butanone
 Concen: 10.233 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T.: -0.00 min
 Lab File: VL038821.D
 Acq: 5 Apr 2022 22:29

Tgt Ion: 43 Resp: 1563508
 Ion Ratio Lower Upper
 43 100
 72 21.2 16.9 25.3





#35

Carbon Tetrachloride

Concen: 9.998 ppbv

RT: 7.01 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 5 Apr 2022 22:29 VL0405ABS01

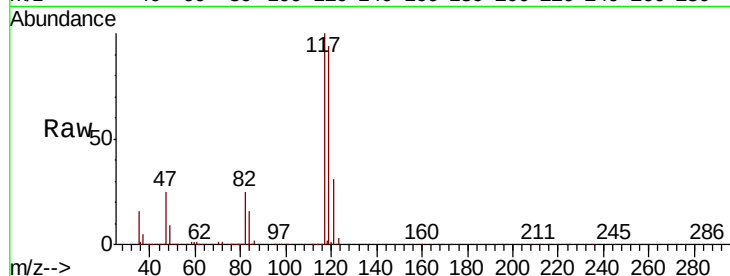
Tot Ion:117 Resp: 2317680

Ion Ratio Lower Upper

117 100

119 93.9 77.7 116.5

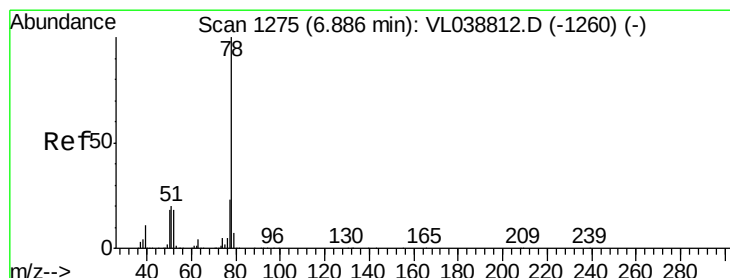
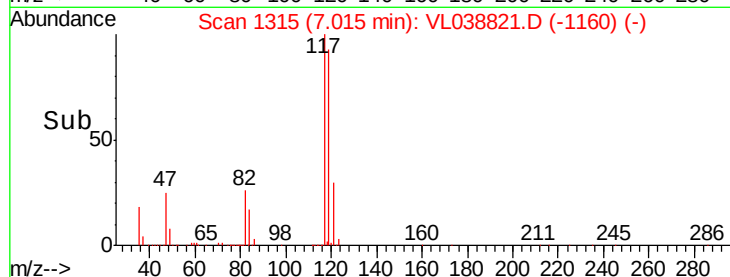
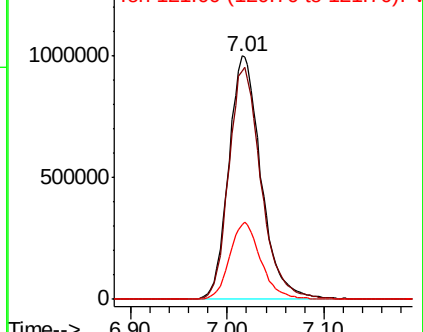
121 30.5 24.5 36.7



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: 9.404 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VL038821.D

Acq: 5 Apr 2022 22:29

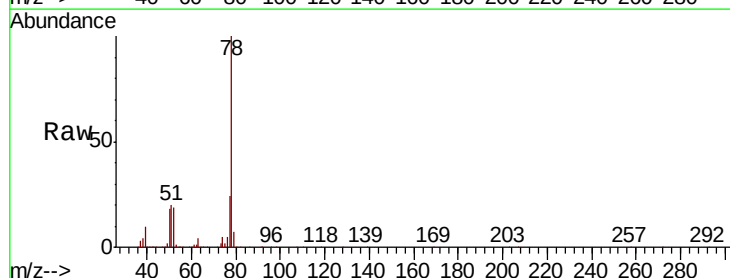
Tgt Ion: 78 Resp: 3308249

Ion Ratio Lower Upper

78 100

77 23.7 18.2 27.2

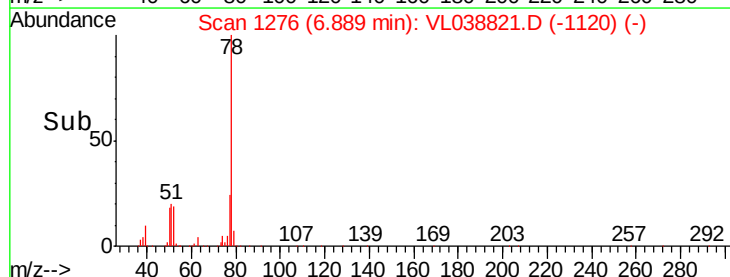
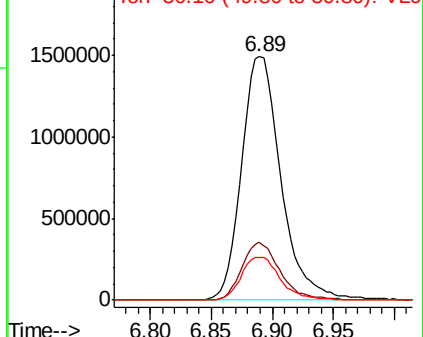
50 17.6 14.0 21.0

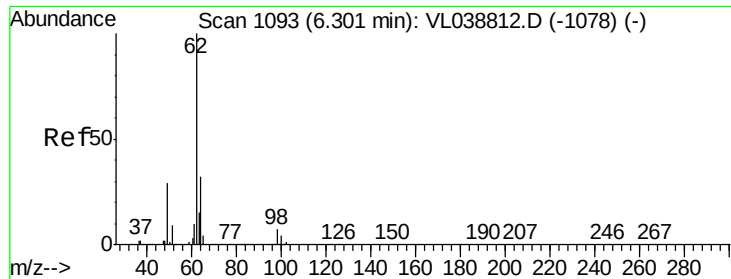


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

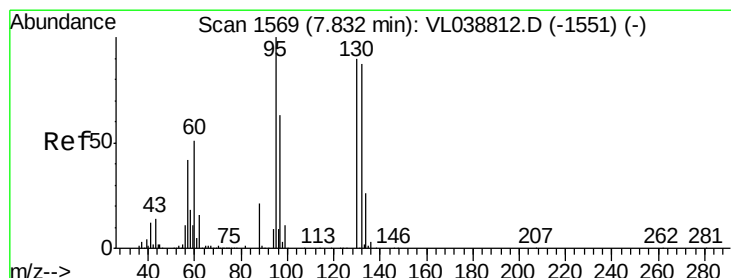
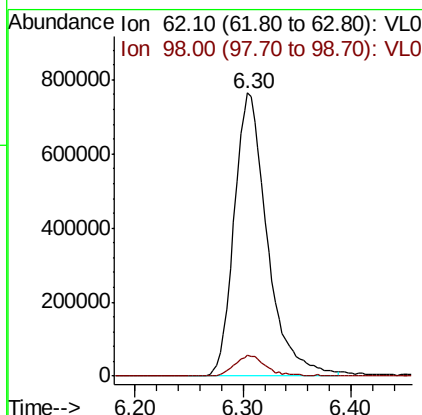
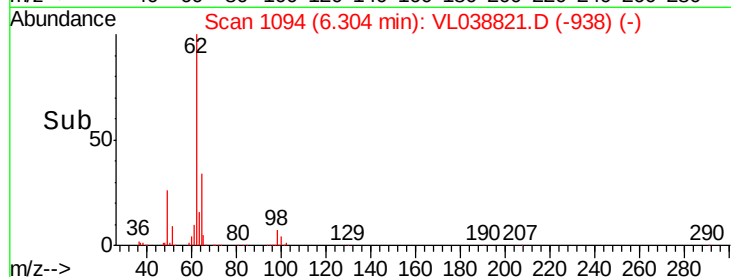
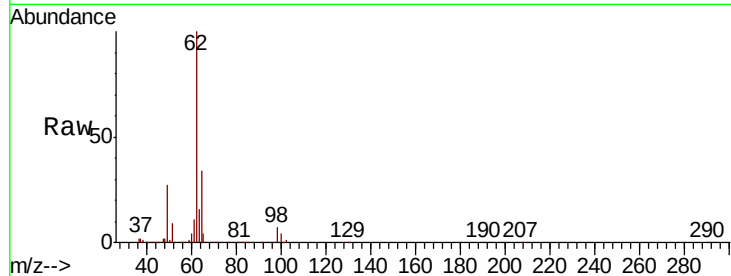
Ion 50.10 (49.80 to 50.80): VL0





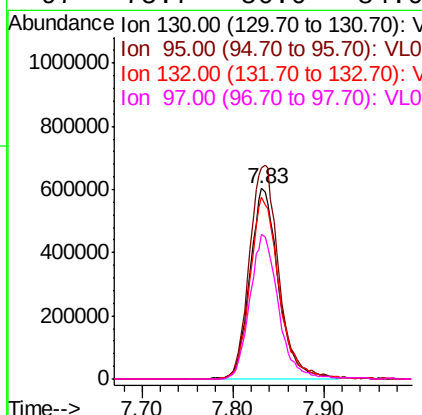
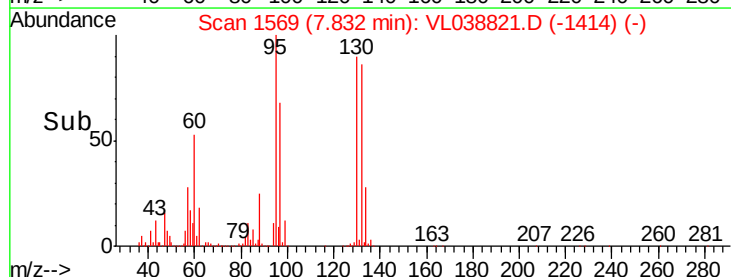
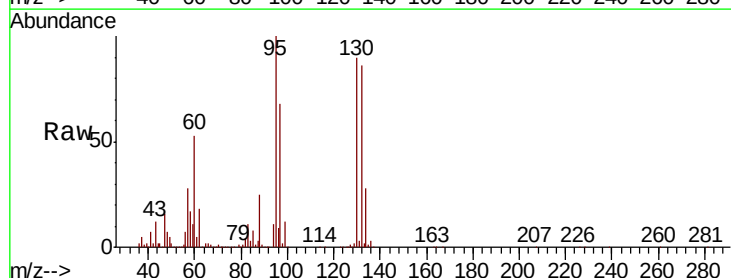
#37
 1,2-Dichloroethane
 Concen: 10.122 ppbv
 RT: 6.30
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VL0405ABS01
 Acq: 5 Apr 2022 22:29

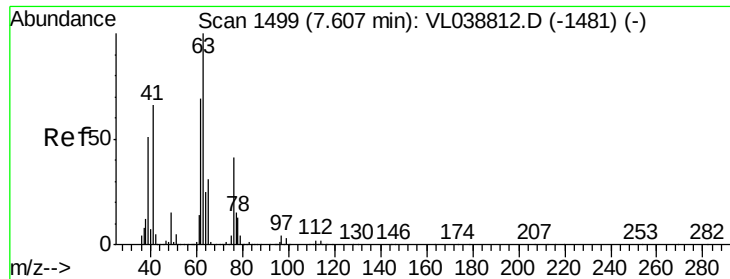
Tot Ion: 62 Resp: 1627984
 Ion Ratio Lower Upper
 62 100
 98 7.4 5.9 8.9



#38
 Trichloroethene
 Concen: 9.144 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. -0.00 min
 Lab File: VL038821.D
 Acq: 5 Apr 2022 22:29

Tgt Ion: 130 Resp: 1319802
 Ion Ratio Lower Upper
 130 100
 95 110.8 89.4 134.0
 132 95.4 77.7 116.5
 97 75.7 56.0 84.0





#39

1,2-Dichloropropane

Concen: 9.681 ppbv

RT: 7.61 Instrument: MSVOA_1

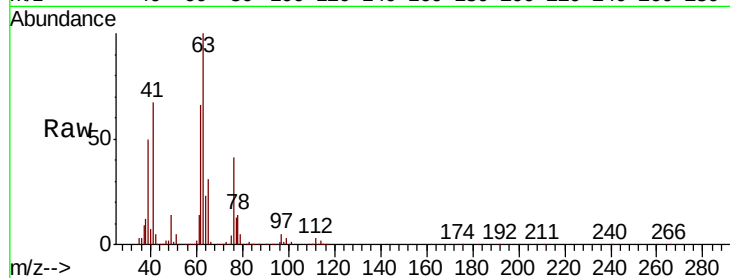
Delta R.T.

Lab File: ClientSampleId:

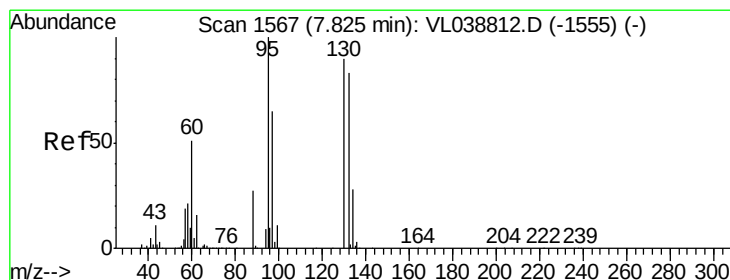
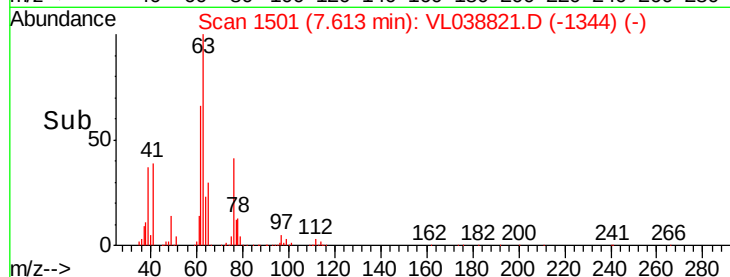
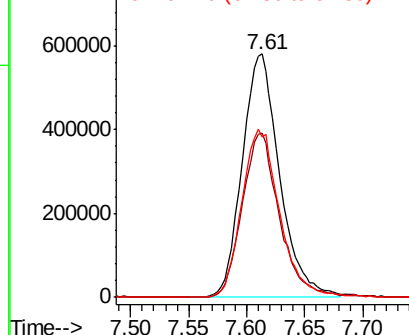
Acq: 5 Apr 2022 22:29

Tot Ion: 63 Resp: 1302557

Ion	Ratio	Lower	Upper
63	100		
41	67.2	53.0	79.6
62	65.9	55.0	82.4



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: 8.942 ppbv

RT: 7.83 min Scan# 1567

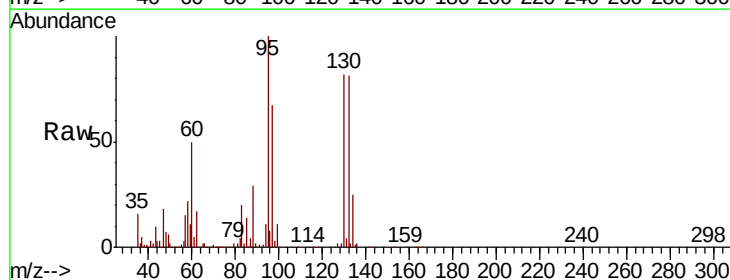
Delta R.T. -0.00 min

Lab File: VL038821.D

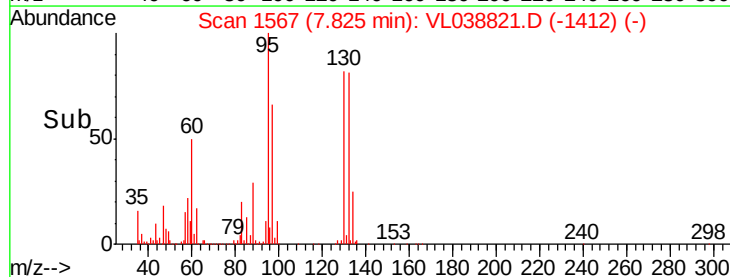
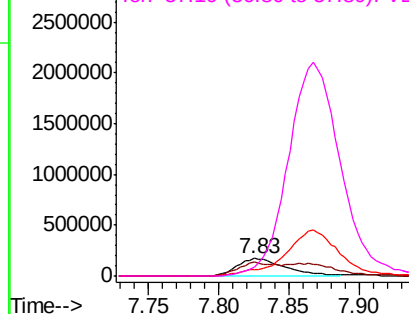
Acq: 5 Apr 2022 22:29

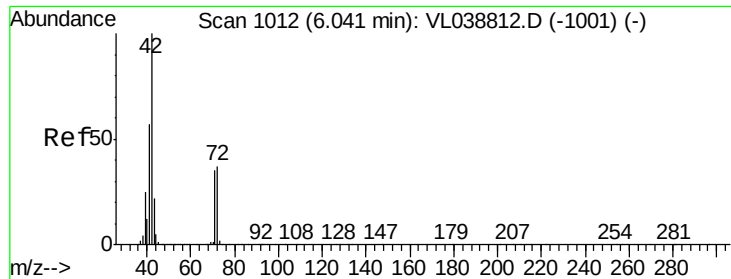
Tgt Ion: 88 Resp: 408556

Ion	Ratio	Lower	Upper
88	100		
58	62.8	49.4	74.0
43	0.0	0.0	0.0
57	0.0	0.0	0.0



Abundance Ion 88.10 (87.80 to 88.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 9.535 ppbv

RT: 6.05 Instrument: MSVOA_1

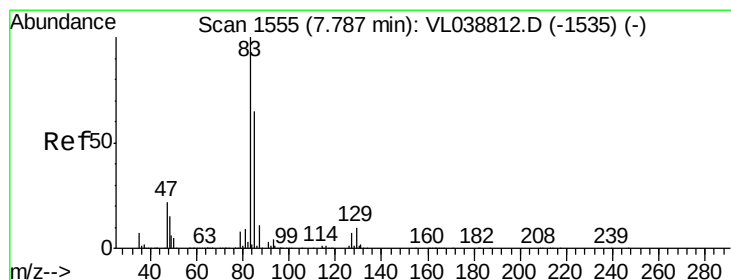
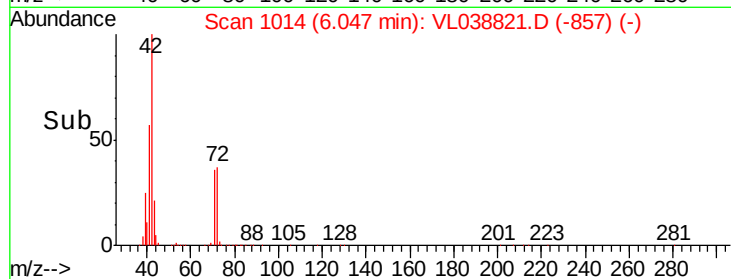
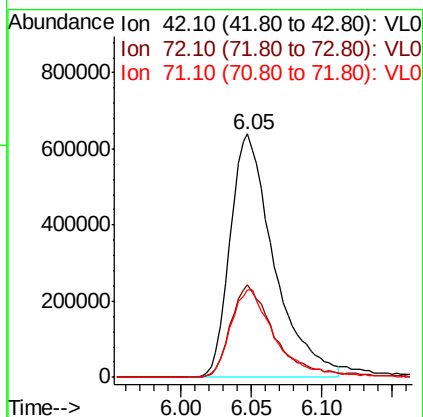
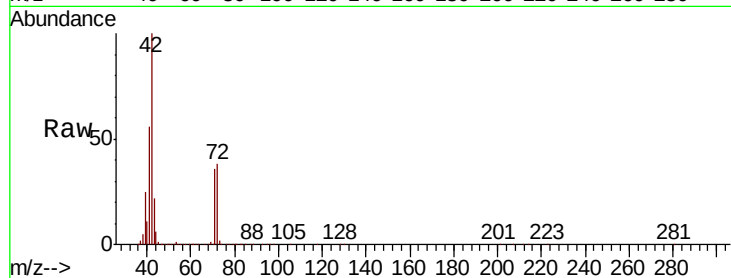
Delta R.T. ClientSampleId:

Lab File: VL0405ABS01

Acq: 5 Apr 2022 22:29

Tot Ion: 42 Resp: 1383719

Ion	Ratio	Lower	Upper
42	100		
72	39.1	31.4	47.0
71	37.5	30.2	45.4



#42

Bromodichloromethane

Concen: 10.249 ppbv

RT: 7.79 min Scan# 1556

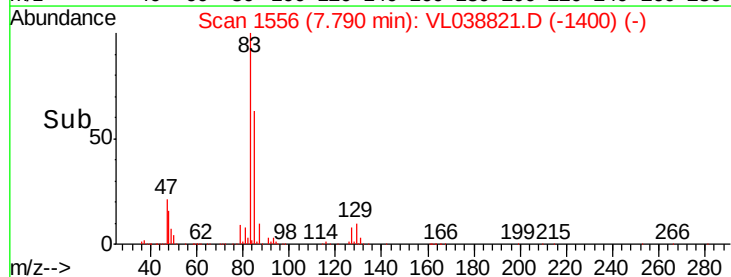
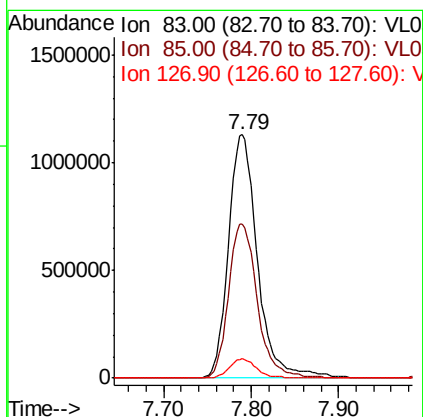
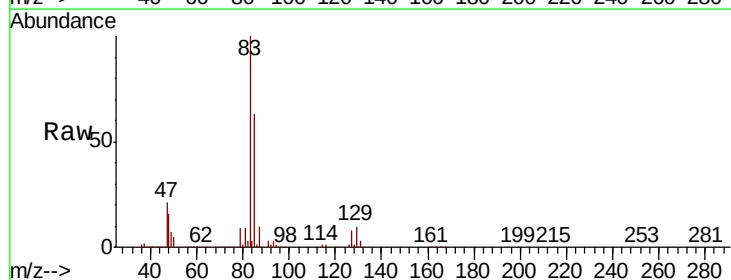
Delta R.T. 0.00 min

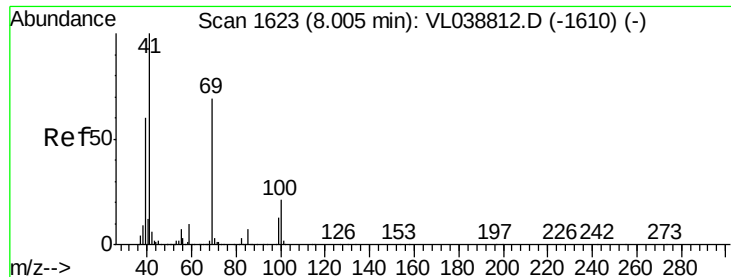
Lab File: VL038821.D

Acq: 5 Apr 2022 22:29

Tgt Ion: 83 Resp: 2602960

Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.7	77.5
127	8.1	5.9	8.9





#43

Methyl Methacrylate

Concen: 10.244 ppbv

RT: 8.01

Instrument: MSVOA_1

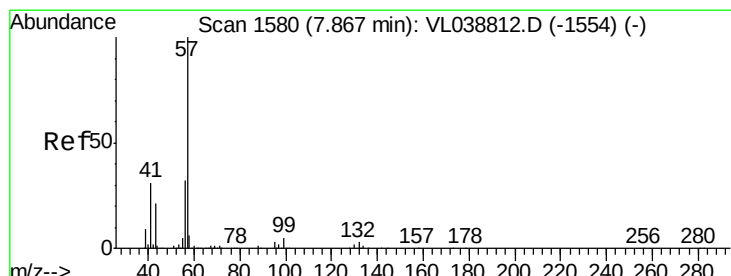
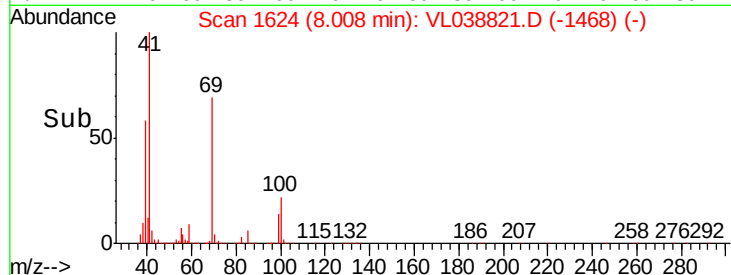
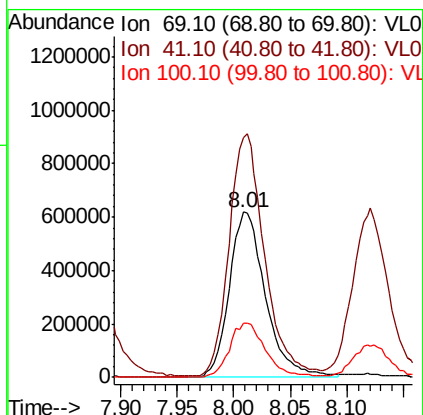
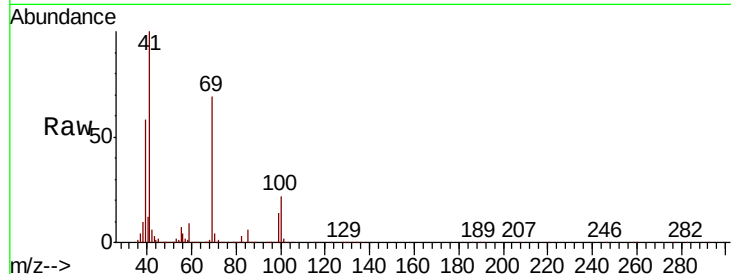
Delta R.T. ClientSampleId:

Lab File: VL0405ABS01

Acq: 5 Apr 2022 22:29

Tot Ion: 69 Resp: 1380159

Ion	Ratio	Lower	Upper
69	100		
41	144.3	119.0	178.4
100	32.6	26.4	39.6



#44

2,2,4-Trimethylpentane

Concen: 9.207 ppbv

RT: 7.87 min Scan# 1580

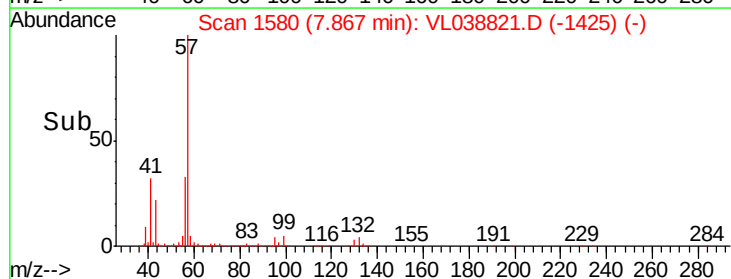
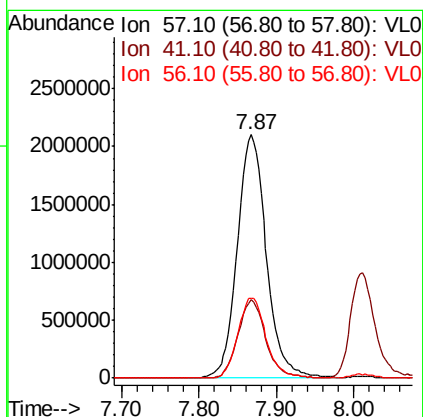
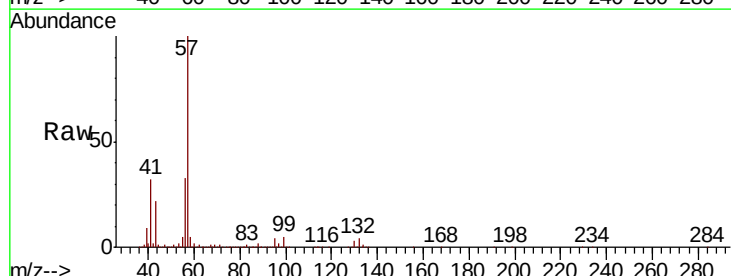
Delta R.T. -0.00 min

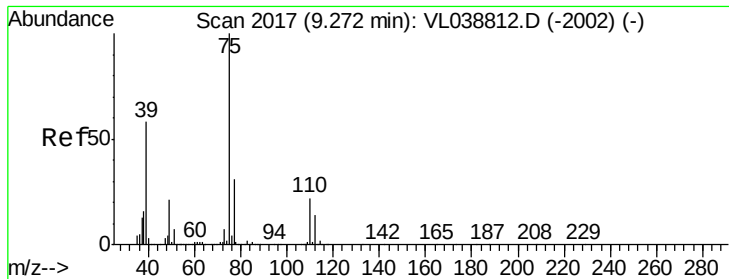
Lab File: VL038821.D

Acq: 5 Apr 2022 22:29

Tgt Ion: 57 Resp: 5483230

Ion	Ratio	Lower	Upper
57	100		
41	30.7	25.0	37.4
56	32.0	25.3	37.9





#45

t-1,3-Dichloropropene

Concen: 10.397 ppbv

RT: 9.28 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

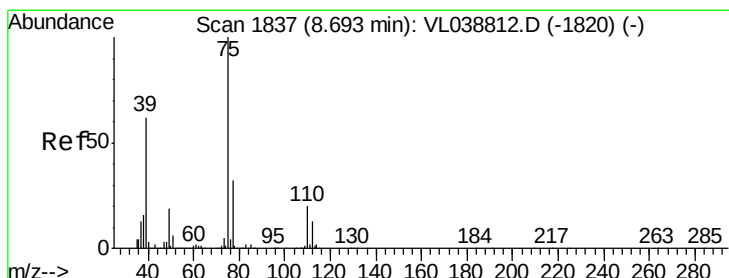
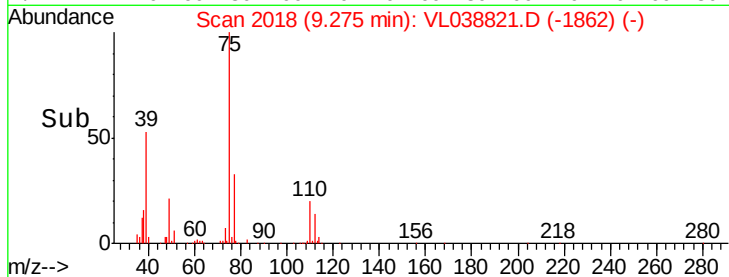
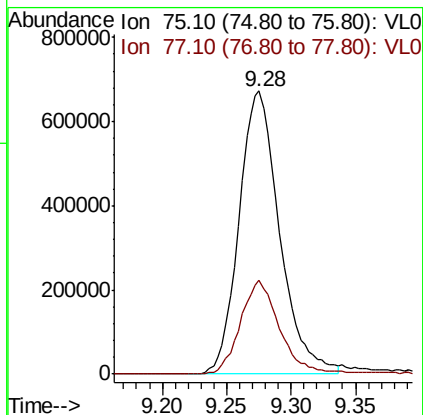
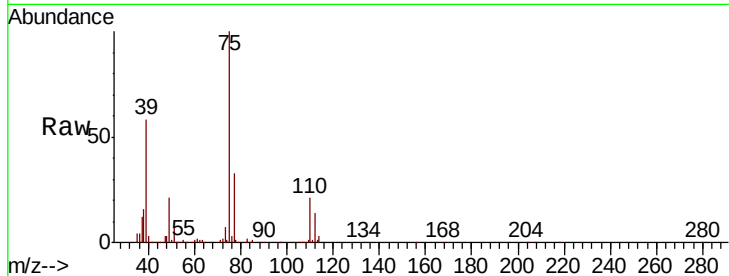
Acq: 5 Apr 2022 22:29 VL0405ABS01

Tot Ion: 75 Resp: 1464766

Ion Ratio Lower Upper

75 100

77 33.1 25.0 37.4



#46

cis-1,3-Dichloropropene

Concen: 10.030 ppbv

RT: 8.70 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VL038821.D

Acq: 5 Apr 2022 22:29

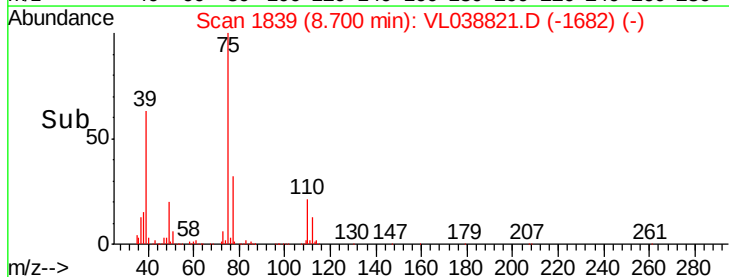
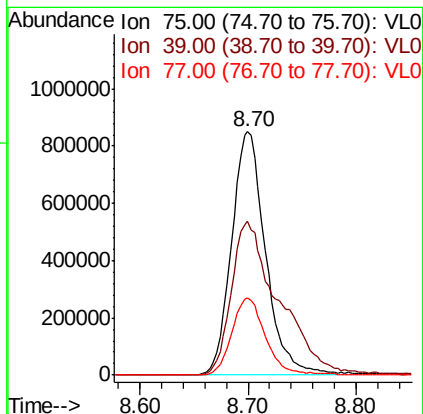
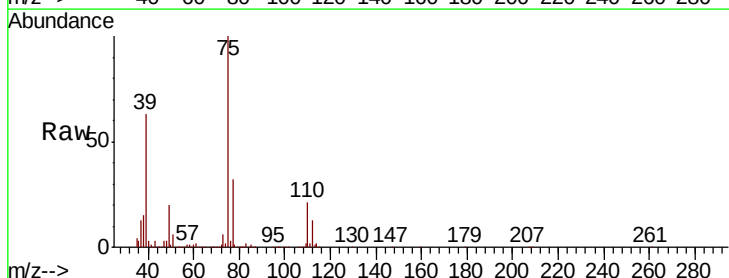
Tgt Ion: 75 Resp: 1862929

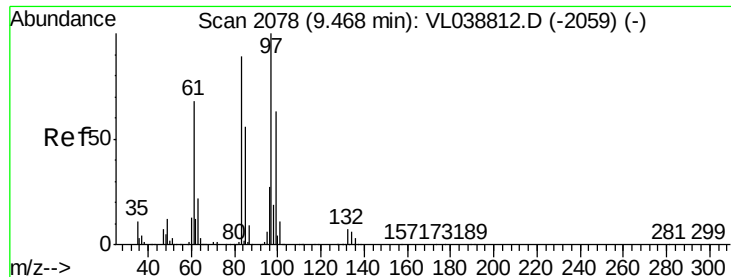
Ion Ratio Lower Upper

75 100

39 63.0 49.7 74.5

77 31.8 25.6 38.4

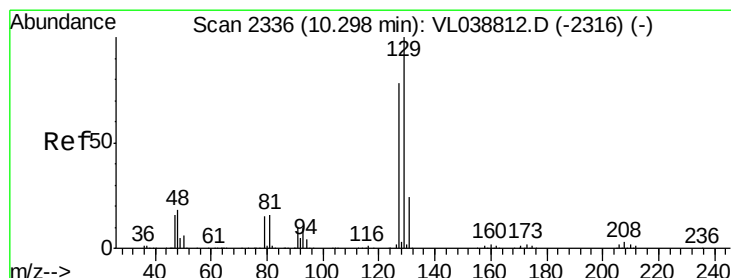
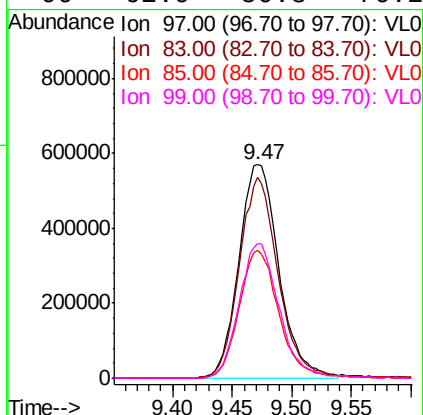
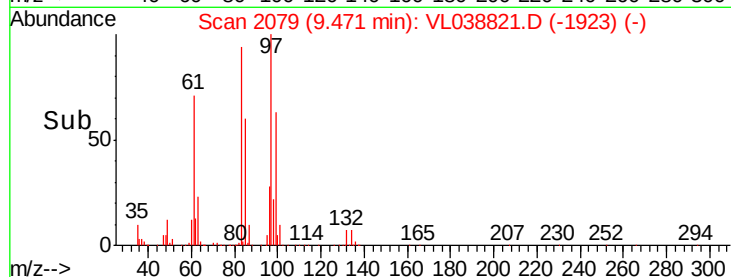
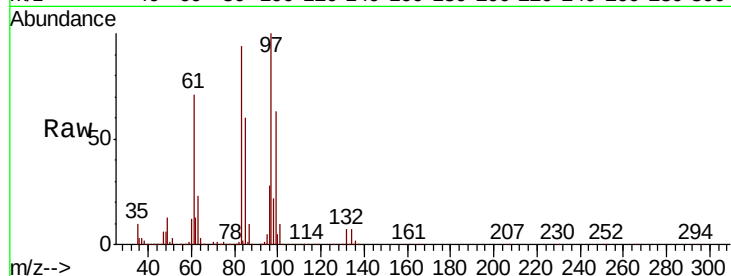




#47
 1,1,2-Trichloroethane
 Concen: 9.625 ppbv
 RT: 9.47
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 5 Apr 2022 22:29

Tot Ion: 97 Resp: 1326976

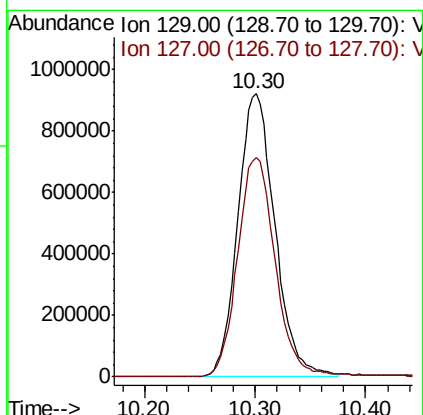
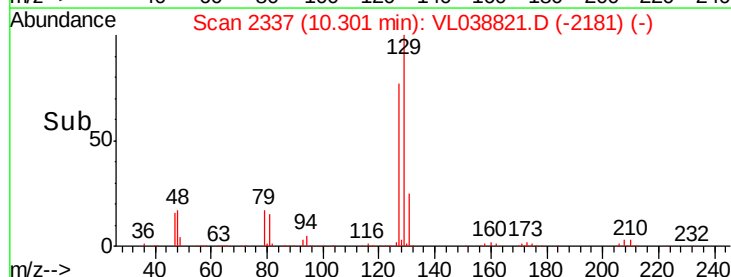
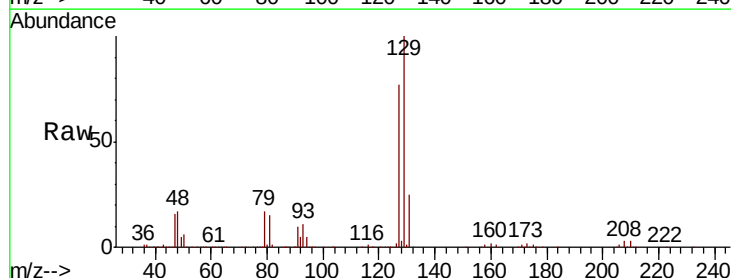
Ion	Ratio	Lower	Upper
97	100		
83	94.1	71.1	106.7
85	60.1	45.1	67.7
99	62.9	50.8	76.2

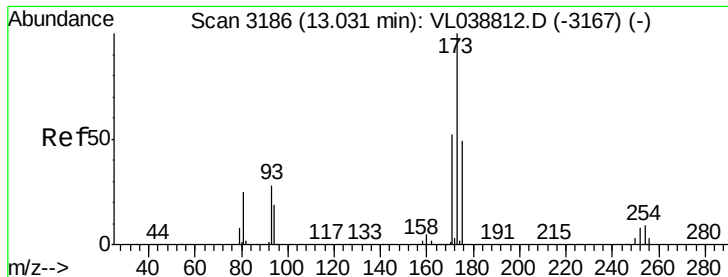


#48
 Dibromochloromethane
 Concen: 9.953 ppbv
 RT: 10.30 min Scan# 2337
 Delta R.T. 0.00 min
 Lab File: VL038821.D
 Acq: 5 Apr 2022 22:29

Tgt Ion: 129 Resp: 2150758

Ion	Ratio	Lower	Upper
129	100		
127	79.5	38.9	116.6





#49

Bromoform

Concen: 9.990 ppbv

RT: 13.04

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 5 Apr 2022 22:29

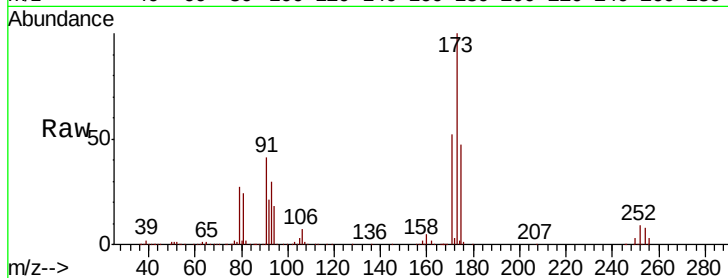
Tot Ion:173 Resp: 1709734

Ion Ratio Lower Upper

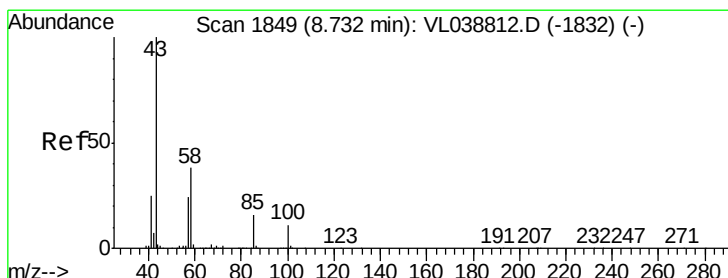
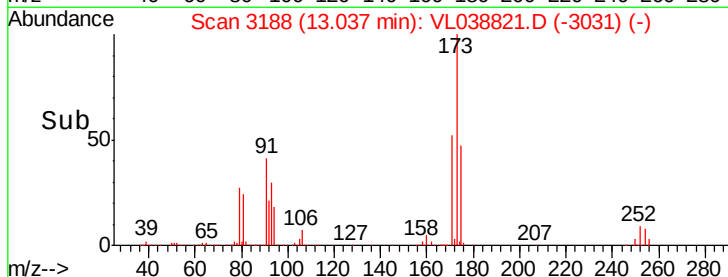
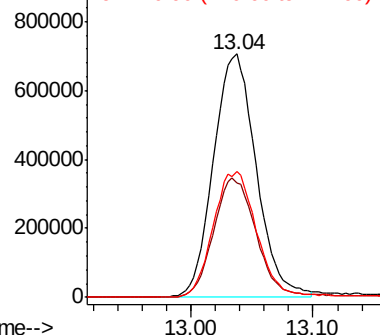
173 100

175 49.6 39.9 59.9

171 53.8 43.4 65.0



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: 9.934 ppbv

RT: 8.74 min Scan# 1850

Delta R.T. 0.00 min

Lab File: VL038821.D

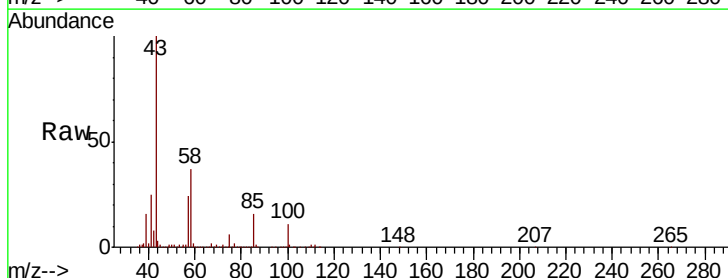
Acq: 5 Apr 2022 22:29

Tgt Ion: 43 Resp: 3414291

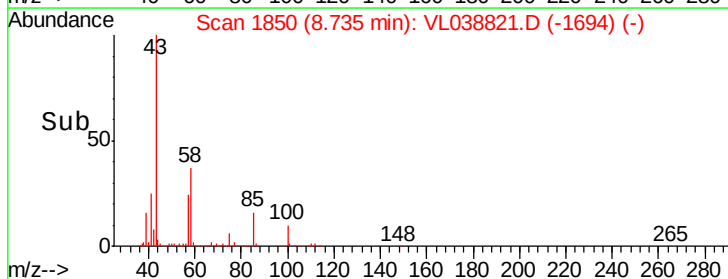
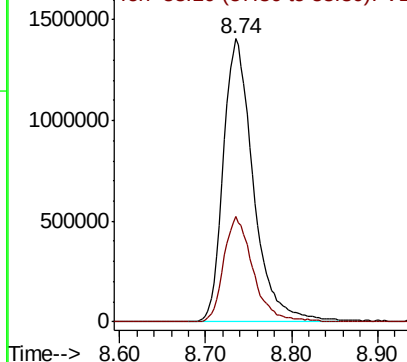
Ion Ratio Lower Upper

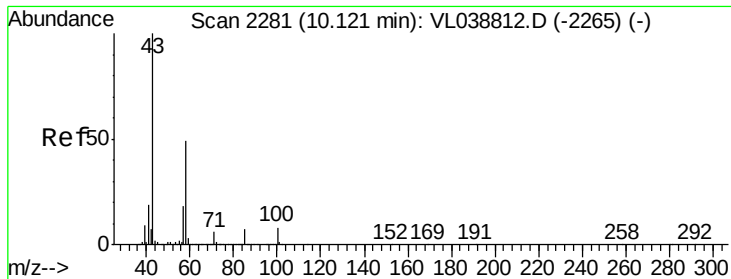
43 100

58 36.9 29.0 43.6



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0

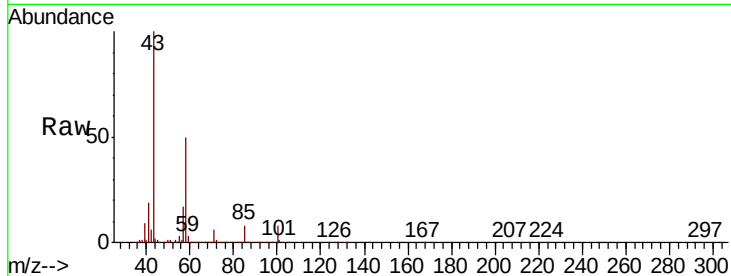




#51
2-Hexanone
Concen: 10.356 ppbv
RT: 10.12 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 5 Apr 2022 22:29

Tot Ion: 43 Resp: 2681728

Ion	Ratio	Lower	Upper
43	100		
58	51.7	41.4	62.0
98	0.1	0.1	0.1

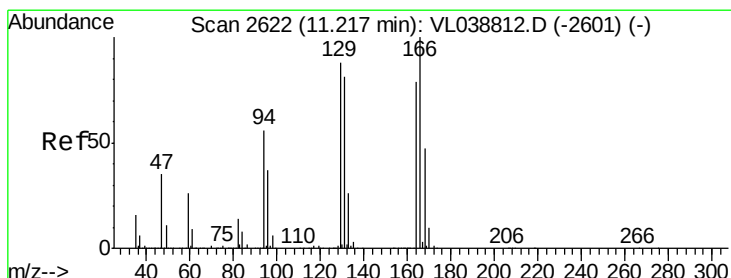
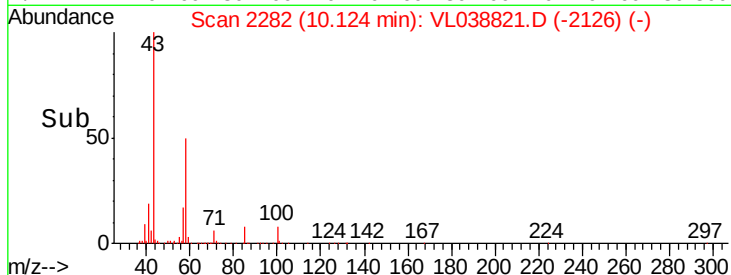
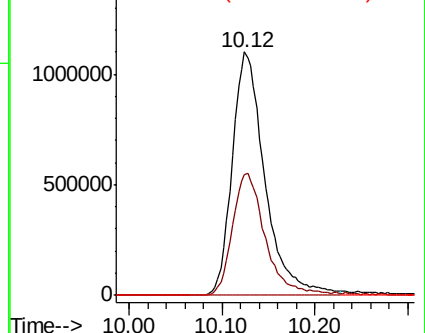


Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

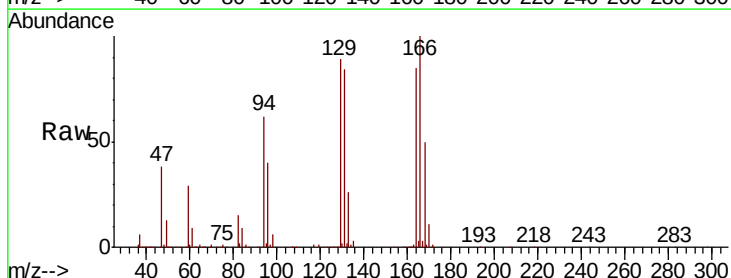
Ion 98.20 (97.90 to 98.90): VL0



#52
Tetrachloroethene
Concen: 8.926 ppbv
RT: 11.22 min Scan# 2622
Delta R.T.: -0.00 min
Lab File: VL038821.D
Acq: 5 Apr 2022 22:29

Tgt Ion: 164 Resp: 1096756

Ion	Ratio	Lower	Upper
164	100		
166	117.7	101.0	151.6
129	104.4	88.7	133.1
131	99.2	81.8	122.6



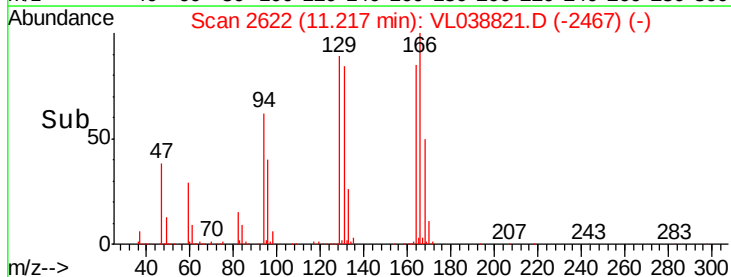
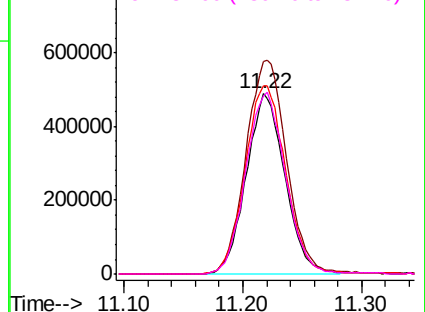
Abundance

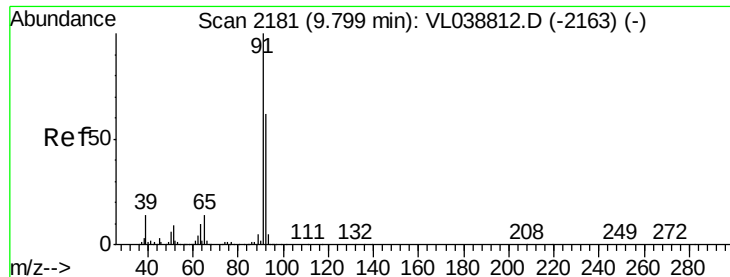
Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 9.469 ppbv

RT: 9.80 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

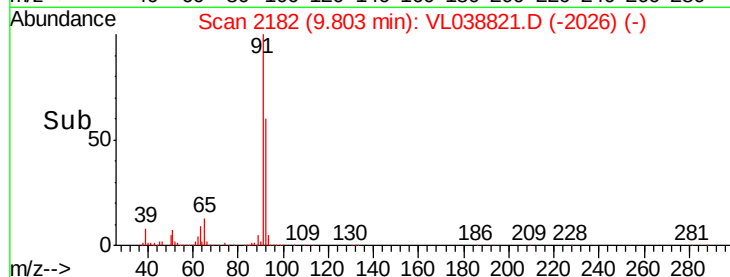
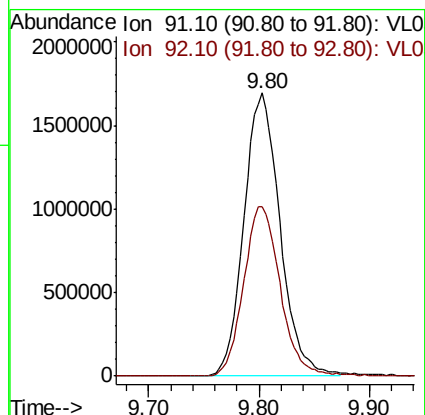
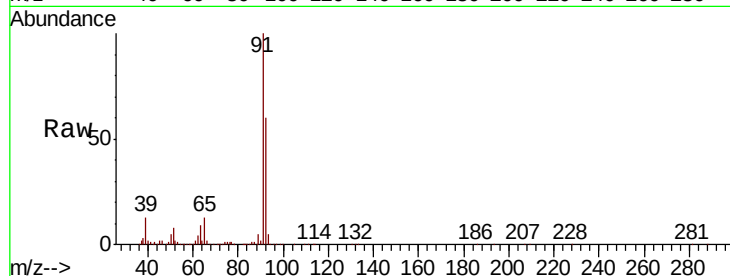
Acq: 5 Apr 2022 22:29 VL0405ABS01

Tot Ion: 91 Resp: 3845345

Ion Ratio Lower Upper

91 100

92 61.2 49.2 73.8



#54

1,2-Dibromoethane

Concen: 10.032 ppbv

RT: 10.61 min Scan# 2432

Delta R.T. -0.00 min

Lab File: VL038821.D

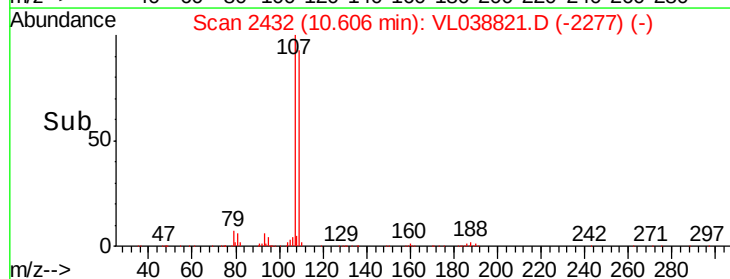
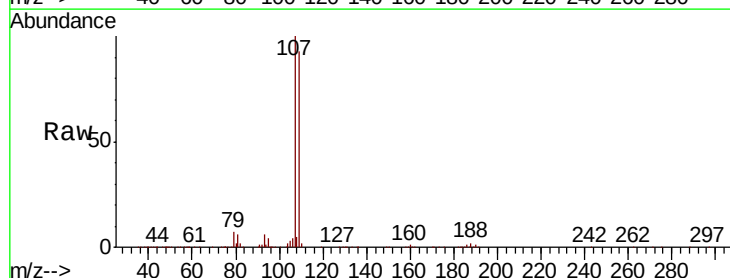
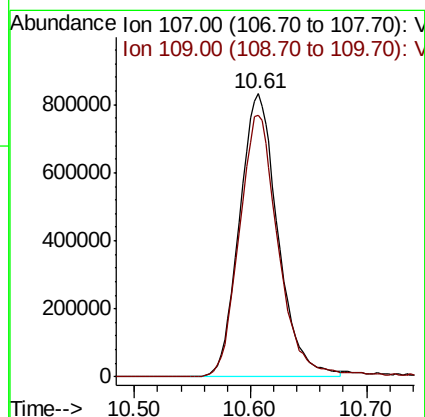
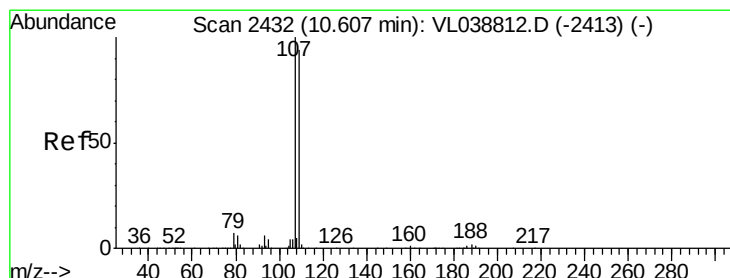
Acq: 5 Apr 2022 22:29

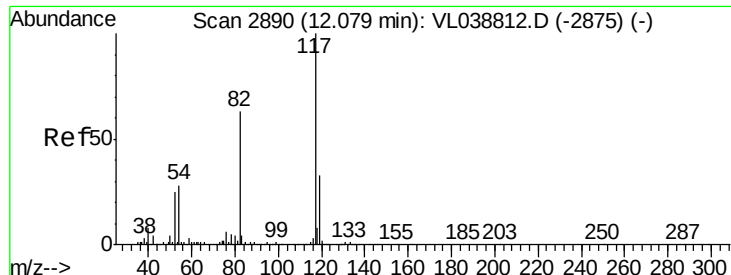
Tgt Ion:107 Resp: 1921109

Ion Ratio Lower Upper

107 100

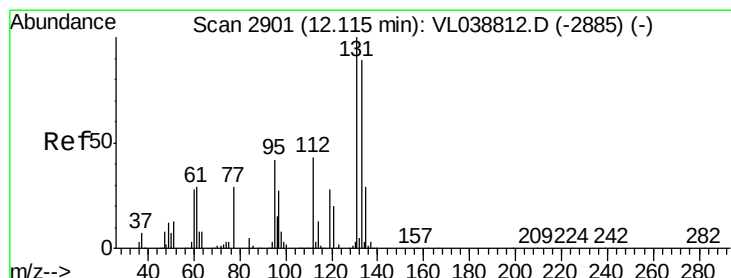
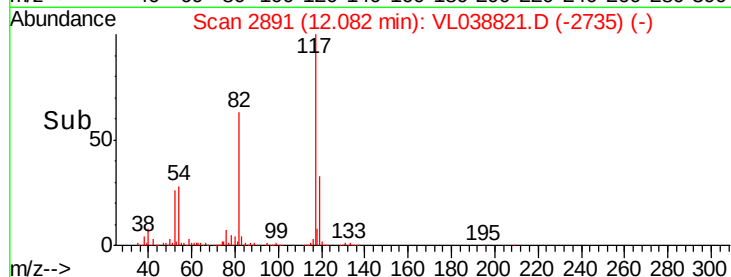
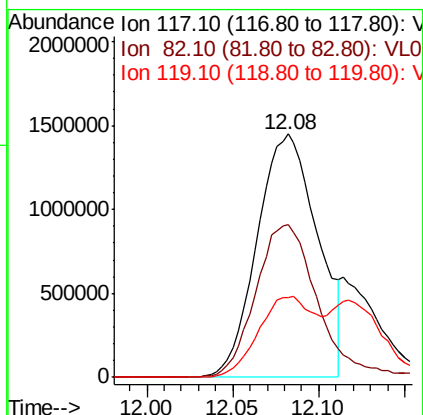
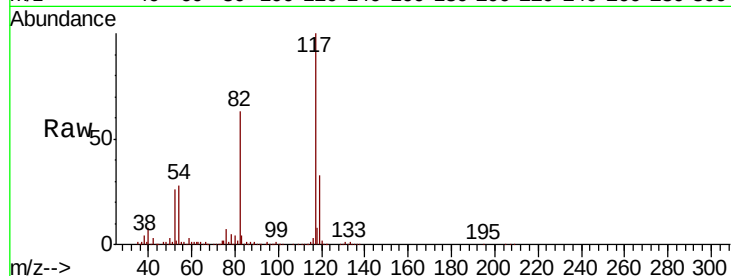
109 92.6 75.5 113.3





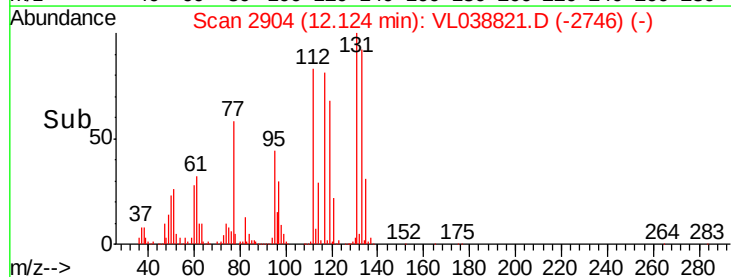
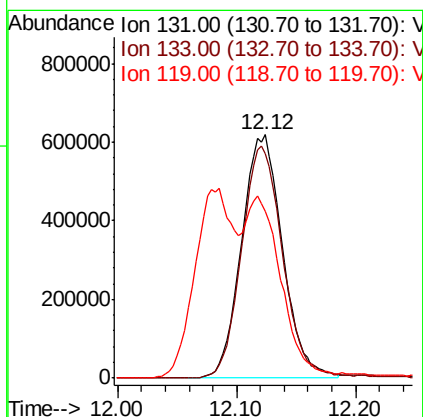
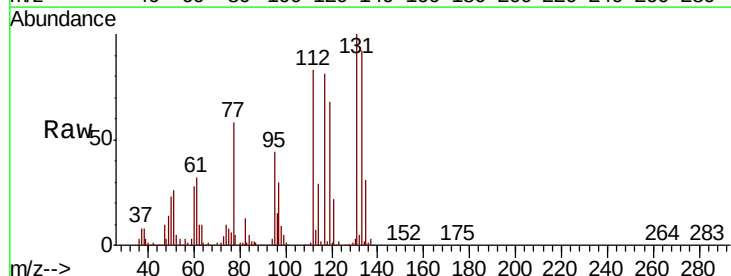
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0405ABS01
Acq: 5 Apr 2022 22:29

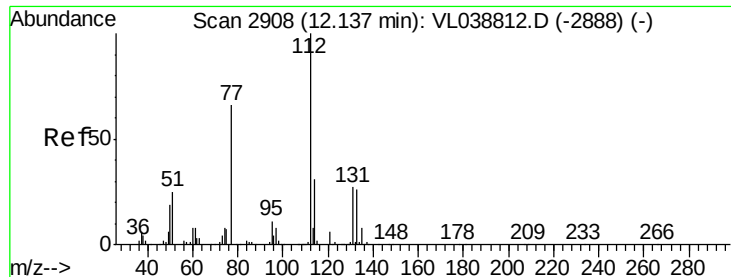
Tot Ion:117 Resp: 3540847
Ion Ratio Lower Upper
117 100
82 66.5 53.0 79.6
119 29.0 24.9 37.3



#56
1,1,1,2-Tetrachloroethane
Concen: 9.504 ppbv
RT: 12.12 min Scan# 2904
Delta R.T.: 0.01 min
Lab File: VL038821.D
Acq: 5 Apr 2022 22:29

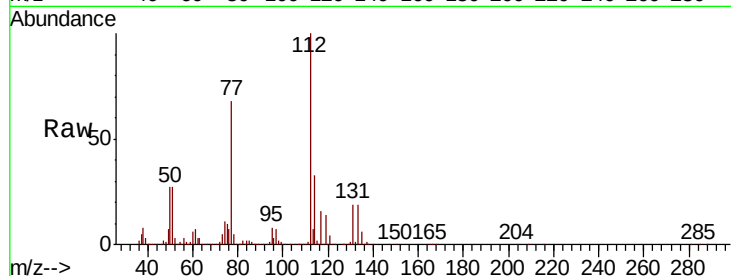
Tgt Ion:131 Resp: 1474699
Ion Ratio Lower Upper
131 100
133 97.6 78.2 117.4
119 74.5 58.6 87.8



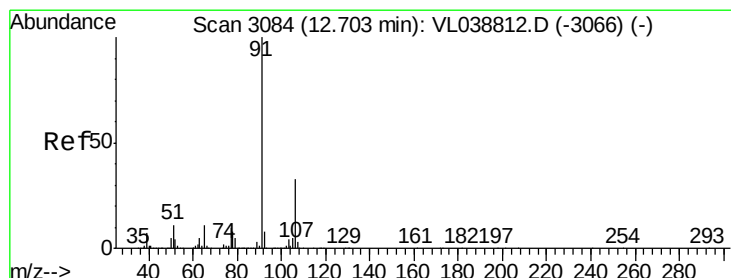
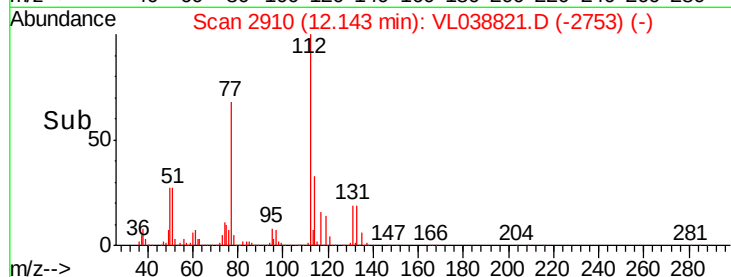
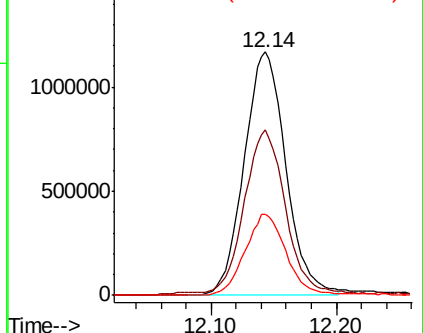


#57
Chlorobenzene
Concen: 9.301 ppbv
RT: 12.14 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0405ABS01
Acq: 5 Apr 2022 22:29

Tot Ion: 112 Resp: 2697175
Ion Ratio Lower Upper
112 100
77 66.4 52.4 78.6
114 33.0 28.1 34.3

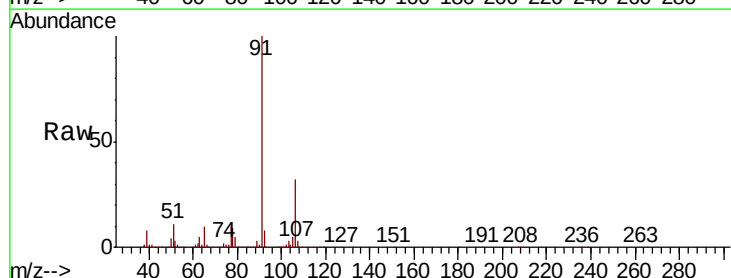


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

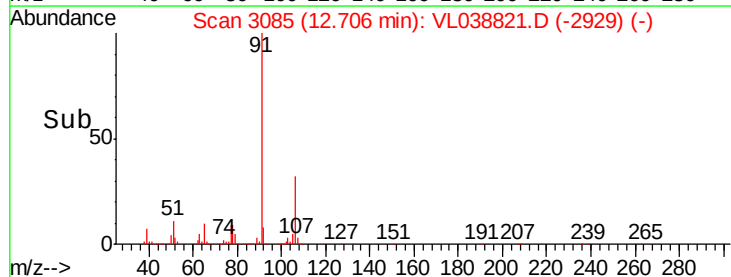
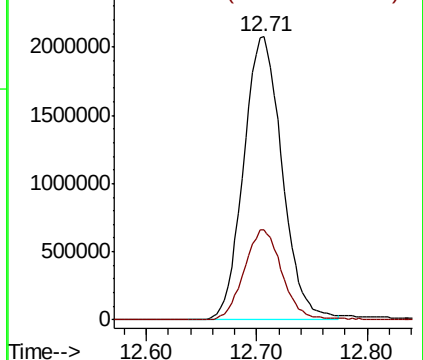


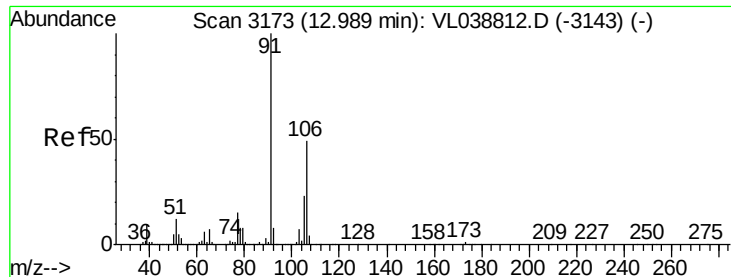
#58
Ethyl Benzene
Concen: 9.533 ppbv
RT: 12.71 min Scan# 3085
Delta R.T.: 0.00 min
Lab File: VL038821.D
Acq: 5 Apr 2022 22:29

Tgt Ion: 91 Resp: 5043743
Ion Ratio Lower Upper
91 100
106 31.9 26.7 40.1



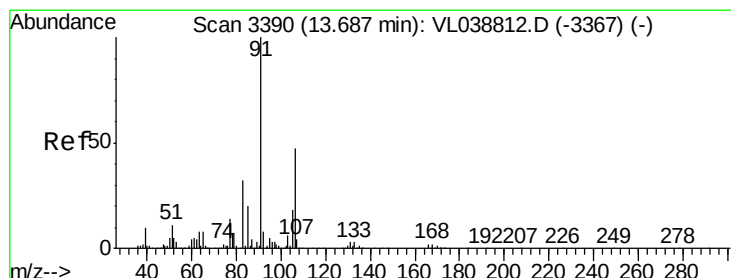
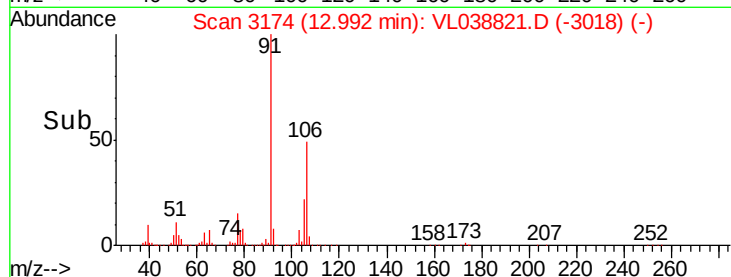
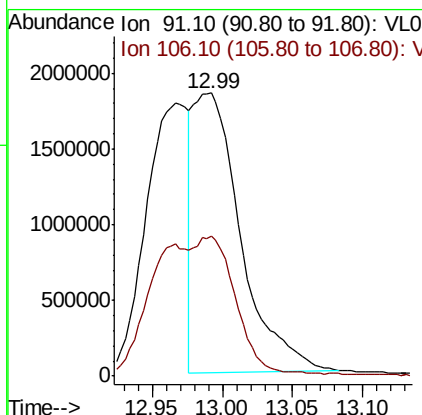
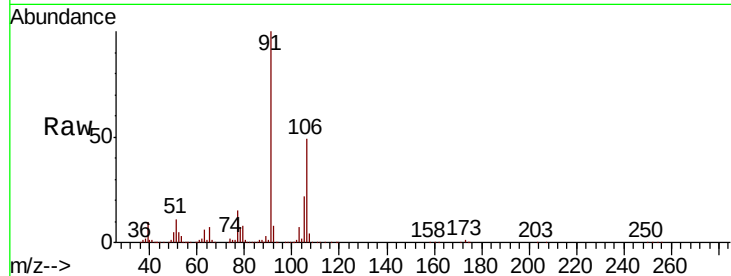
Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





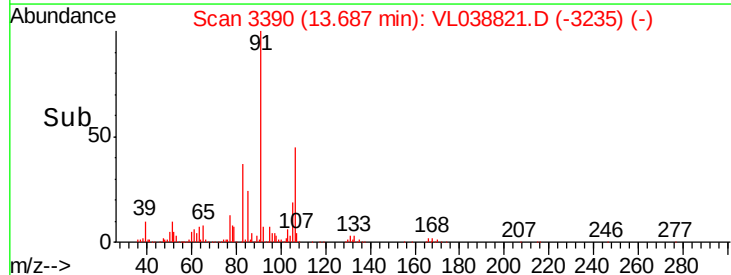
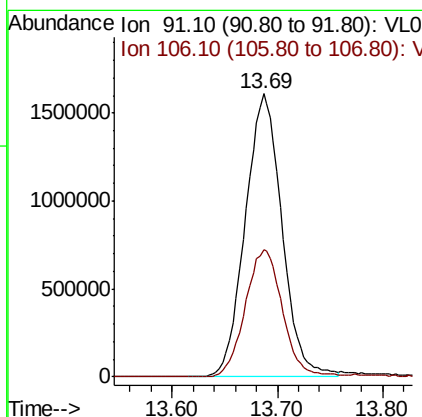
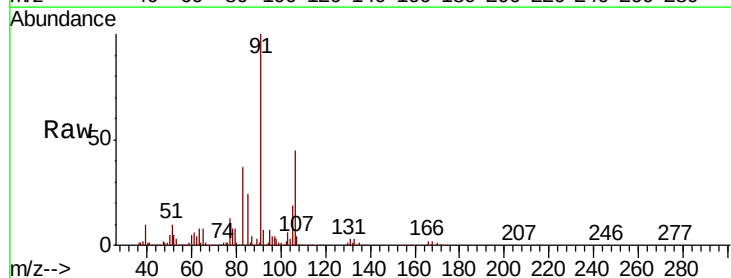
#59
m/p-Xylene
Concen: 9.719 ppbv
RT: 12.99 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0405ABS01
Acq: 5 Apr 2022 22:29

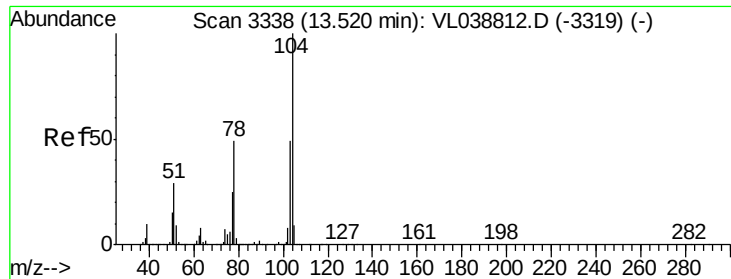
Tot Ion: 91 Resp: 4320309
Ion Ratio Lower Upper
91 100
106 87.2 37.1 55.7#



#60
o-Xylene
Concen: 9.376 ppbv
RT: 13.69 min Scan# 3390
Delta R.T.: -0.00 min
Lab File: VL038821.D
Acq: 5 Apr 2022 22:29

Tgt Ion: 91 Resp: 3900031
Ion Ratio Lower Upper
91 100
106 46.6 23.8 71.4

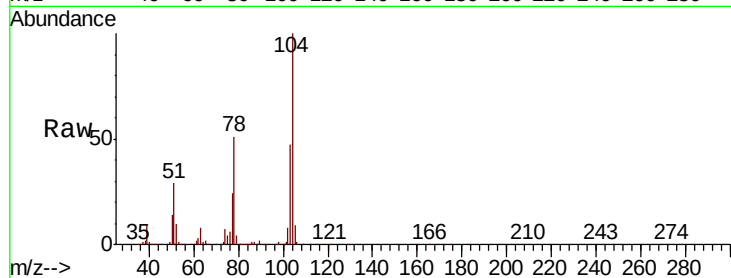




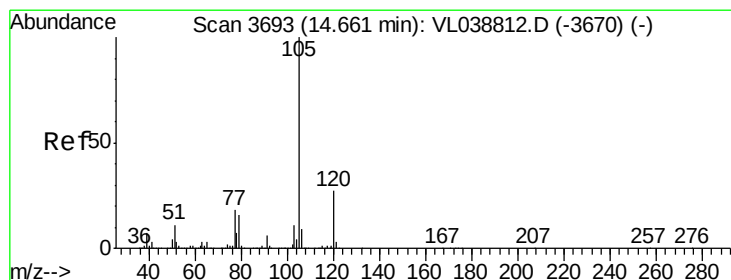
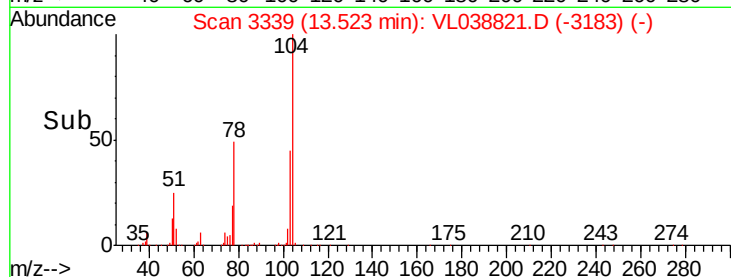
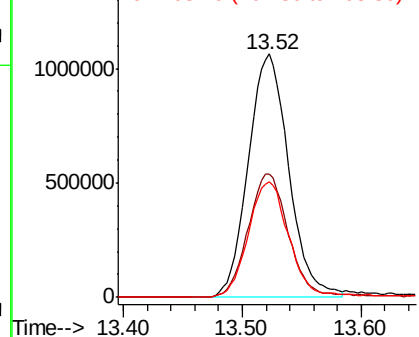
#61
Stvrene
Concen: 9.894 ppbv
RT: 13.52
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VL0405ABS01
Acq: 5 Apr 2022 22:29

Tot Ion:104 Resp: 2507302

Ion	Ratio	Lower	Upper
104	100		
78	50.6	40.5	60.7
103	48.3	39.0	58.4



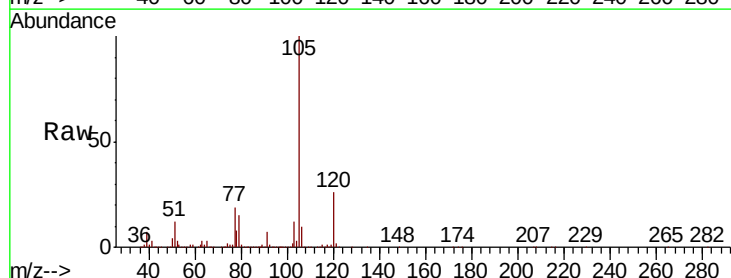
Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VL0
Ion 103.10 (102.80 to 103.80): V



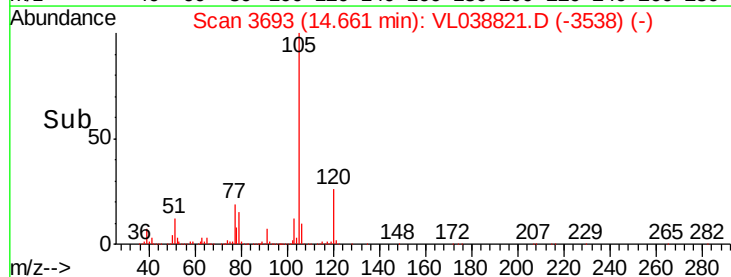
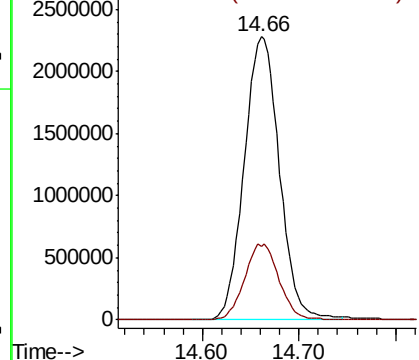
#62
Isopropylbenzene
Concen: 9.237 ppbv
RT: 14.66 min Scan# 3693
Delta R.T. -0.00 min
Lab File: VL038821.D
Acq: 5 Apr 2022 22:29

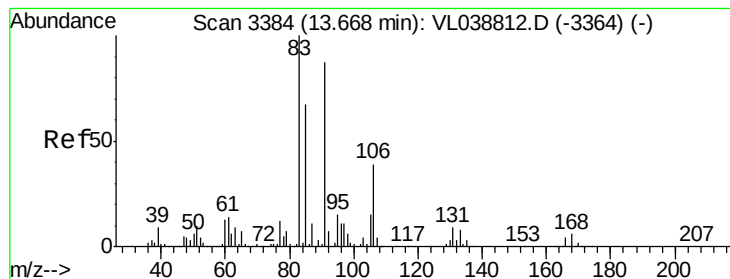
Tgt Ion:105 Resp: 5767088

Ion	Ratio	Lower	Upper
105	100		
120	26.5	21.8	32.8



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





#63

1,1,2,2-Tetrachloroethane

Concen: 9.477 ppbv

RT: 13.67

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 5 Apr 2022 22:29

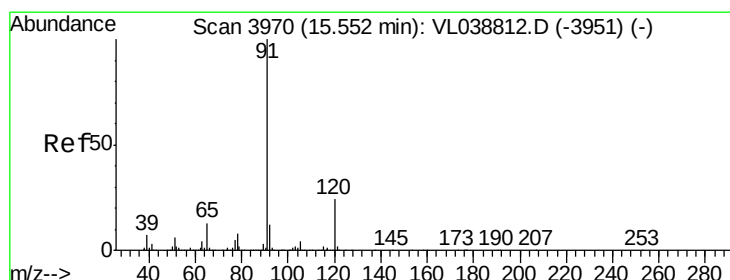
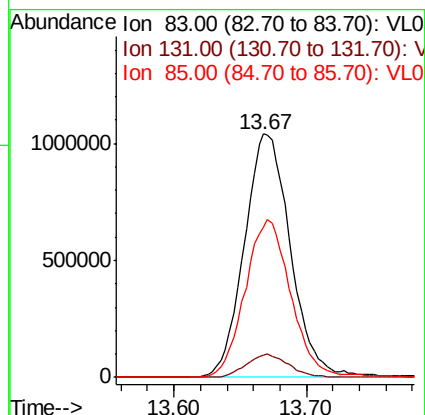
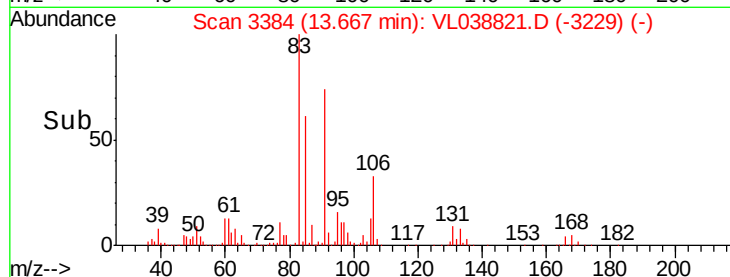
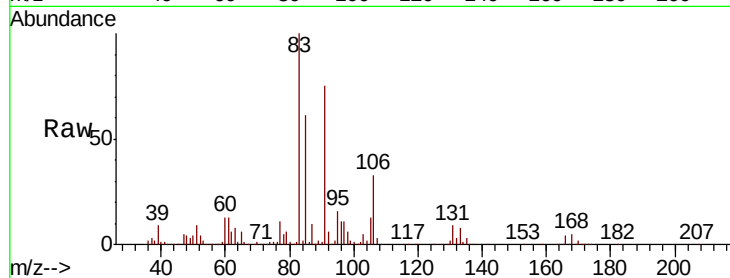
Tot Ion: 83 Resp: 2496788

Ion Ratio Lower Upper

83 100

131 9.1 4.6 13.8

85 65.8 33.0 99.0



#64

n-propylbenzene

Concen: 9.522 ppbv

RT: 15.55 min Scan# 3971

Delta R.T. 0.00 min

Lab File: VL038821.D

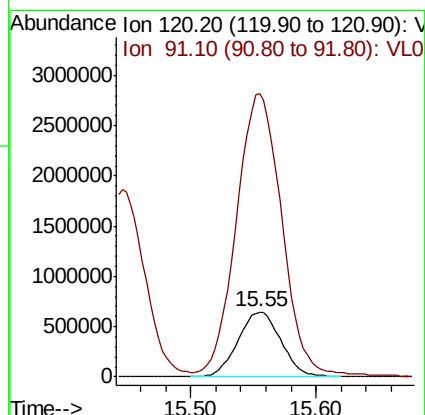
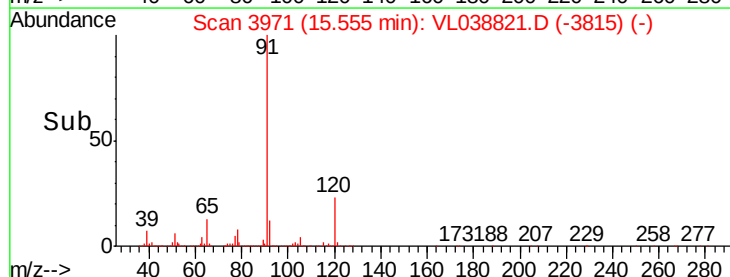
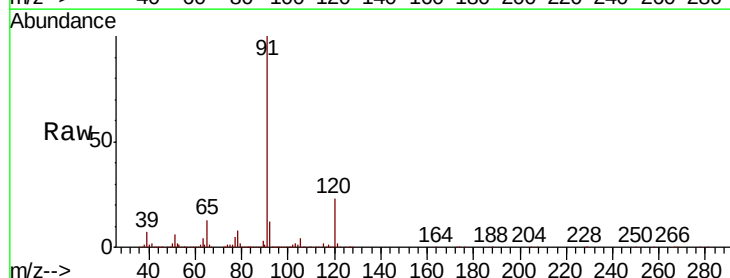
Acq: 5 Apr 2022 22:29

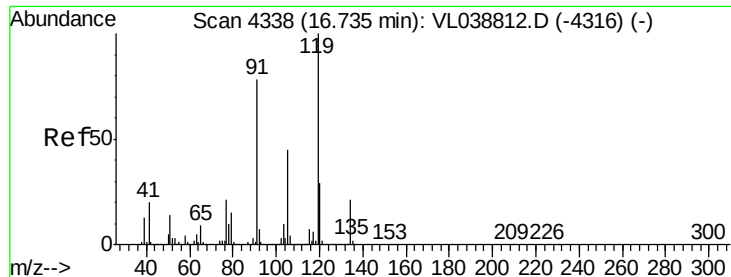
Tgt Ion:120 Resp: 1543527

Ion Ratio Lower Upper

120 100

91 463.2 360.6 540.8

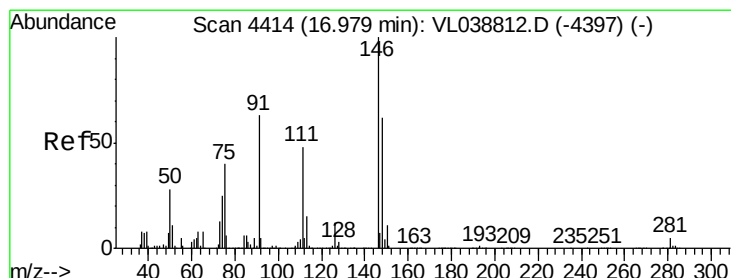
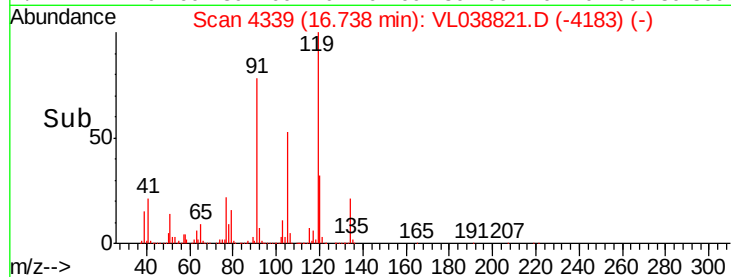
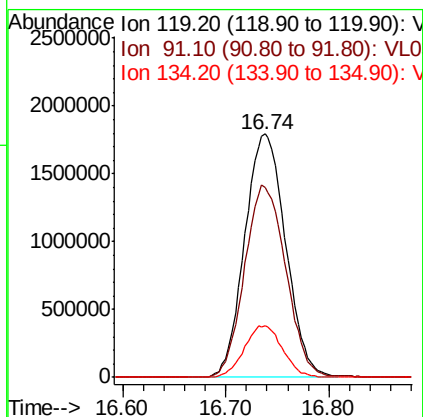
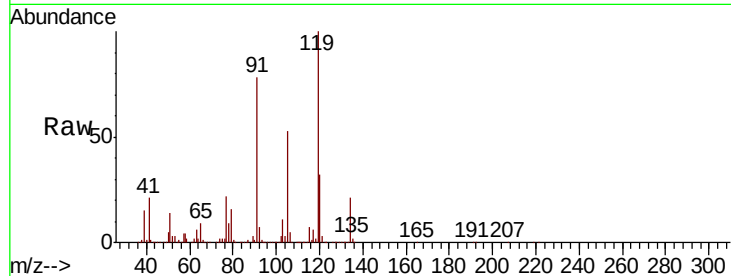




#65
 tert-Butylbenzene
 Concen: 8.921 ppbv
 RT: 16.74
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VL0405ABS01
 Acq: 5 Apr 2022 22:29

Tot Ion: 119 Resp: 4941578

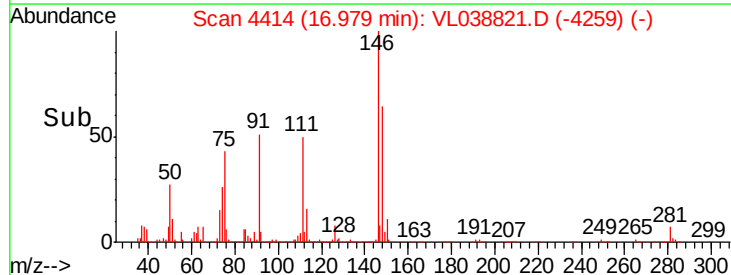
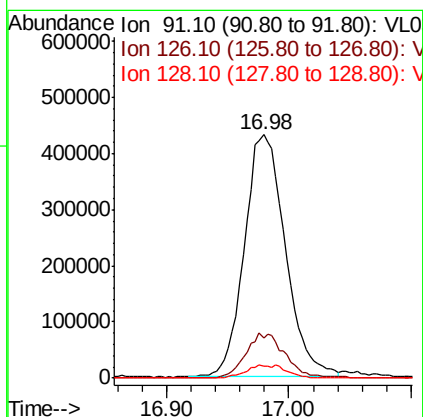
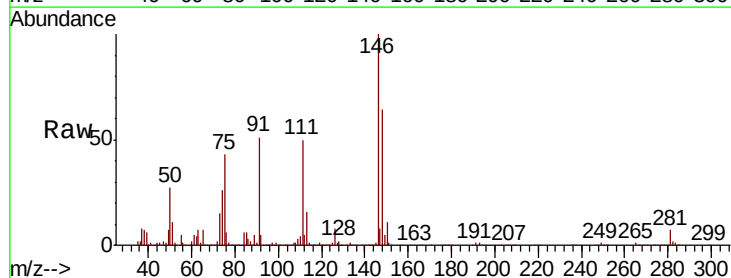
Ion	Ratio	Lower	Upper
119	100		
91	80.1	62.8	94.2
134	20.0	16.2	24.4

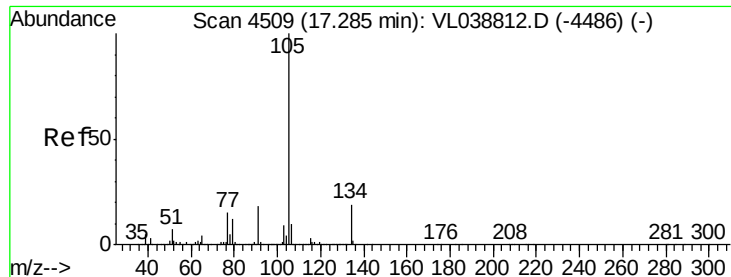


#66
 Benzyl Chloride
 Concen: 8.824 ppbv
 RT: 16.98 min Scan# 4414
 Delta R.T.: -0.00 min
 Lab File: VL038821.D
 Acq: 5 Apr 2022 22:29

Tgt Ion: 91 Resp: 995080

Ion	Ratio	Lower	Upper
91	100		
126	18.2	15.4	23.0
128	5.4	4.7	7.1





#67

sec-Butylbenzene

Concen: 9.117 ppbv

RT: 17.29

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

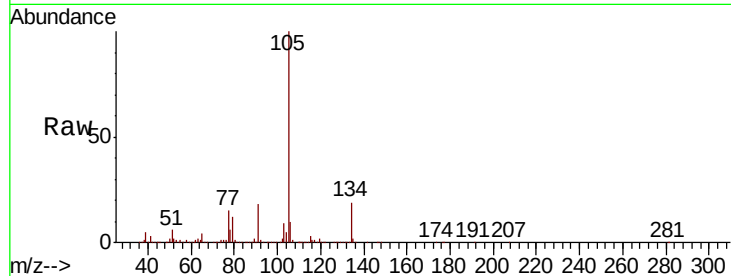
Acq: 5 Apr 2022 22:29

Tot Ion: 105 Resp: 7086858

Ion Ratio Lower Upper

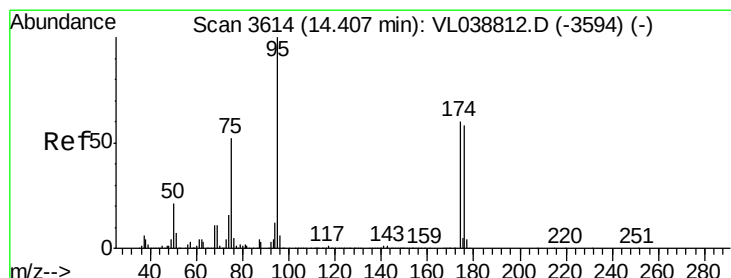
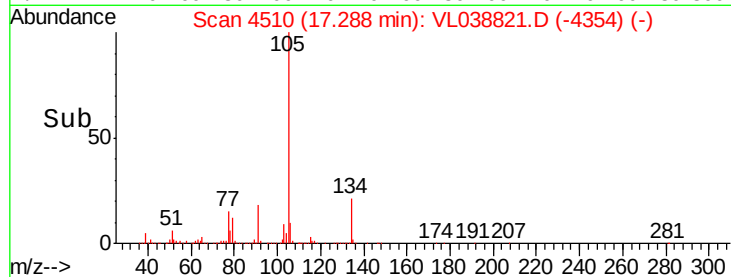
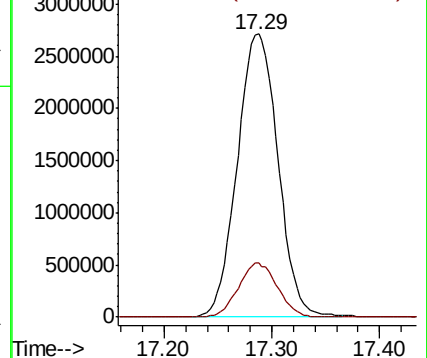
105 100

134 18.3 15.1 22.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.287 ppbv

RT: 14.41 min Scan# 3615

Delta R.T. 0.00 min

Lab File: VL038821.D

Acq: 5 Apr 2022 22:29

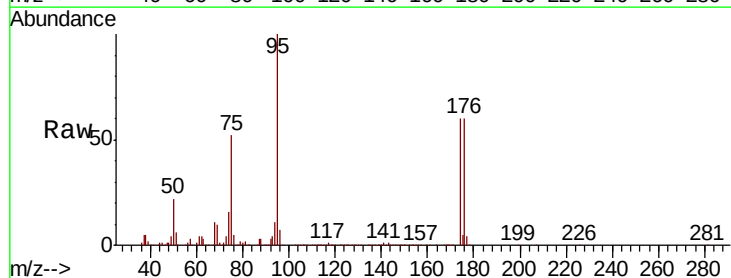
Tgt Ion: 95 Resp: 2762928

Ion Ratio Lower Upper

95 100

174 62.0 52.0 78.0

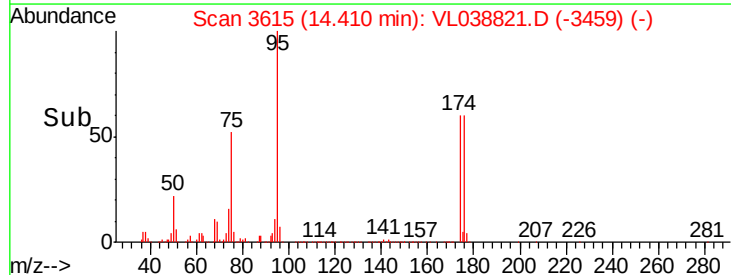
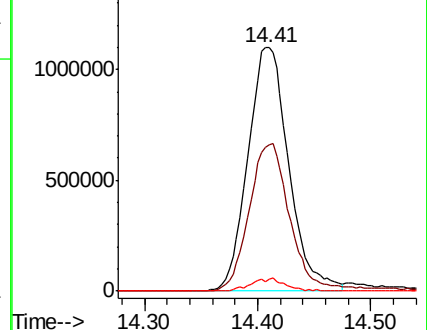
175 4.7 4.0 6.0

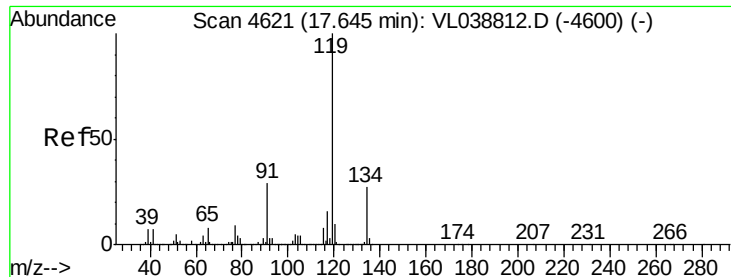


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

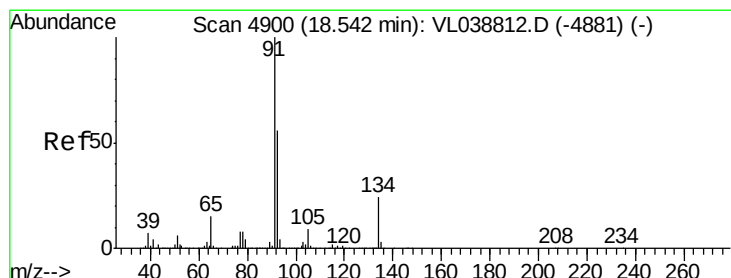
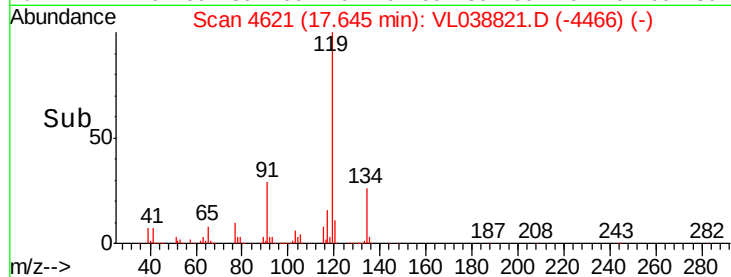
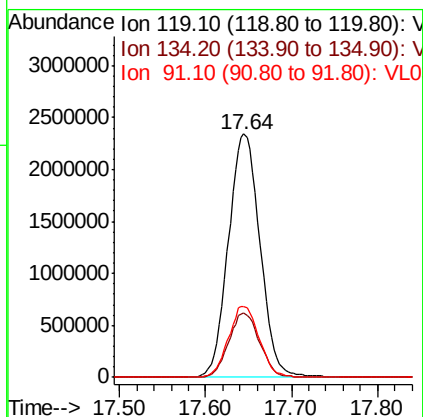
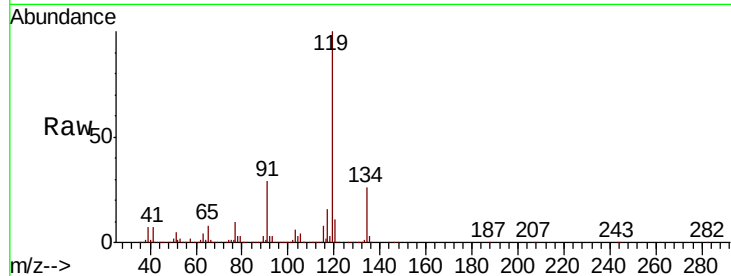
Ion 175.00 (174.70 to 175.70): V





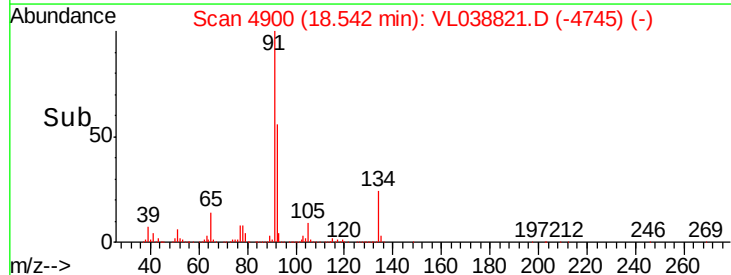
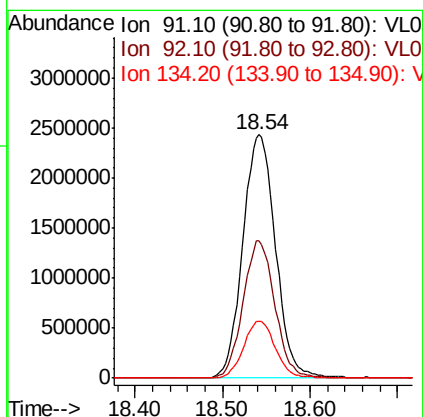
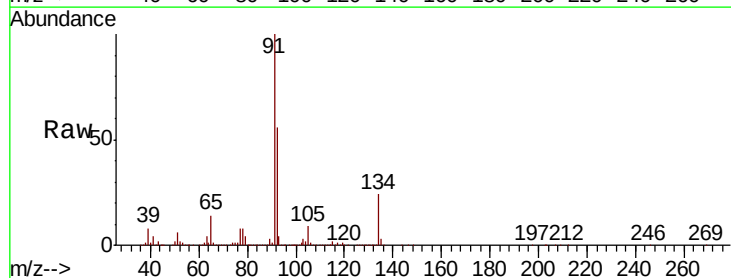
#69
 p-Isopropyltoluene
 Concen: 9.343 ppbv
 RT: 17.64 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VL0405ABS01
 Acq: 5 Apr 2022 22:29

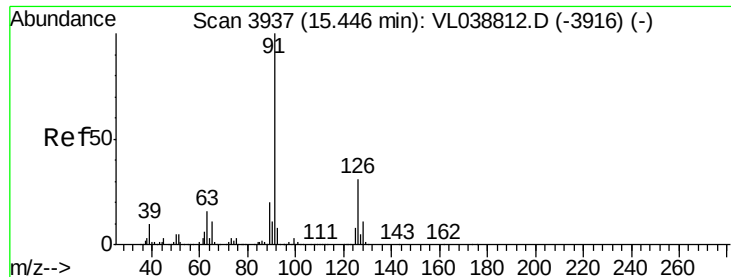
Tot Ion: 119 Resp: 5963031
 Ion Ratio Lower Upper
 119 100
 134 25.8 20.8 31.2
 91 28.6 22.6 34.0



#70
 n-Butylbenzene
 Concen: 9.774 ppbv
 RT: 18.54 min Scan# 4900
 Delta R.T.: -0.00 min
 Lab File: VL038821.D
 Acq: 5 Apr 2022 22:29

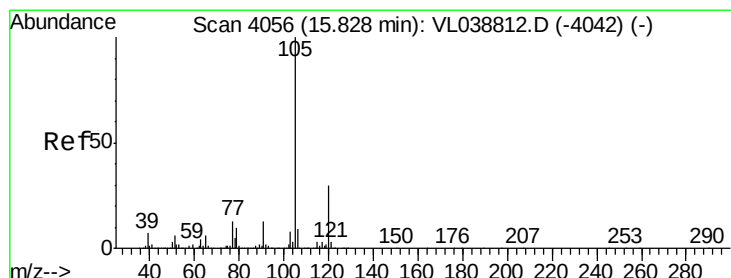
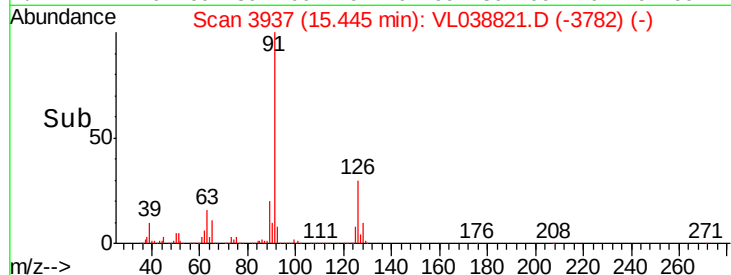
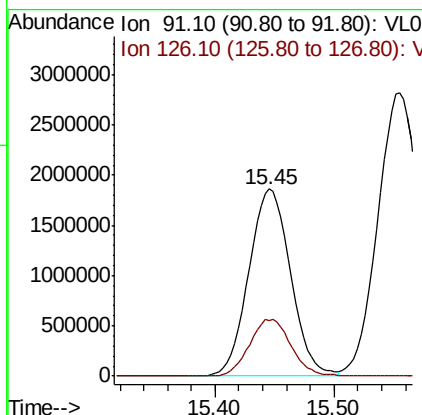
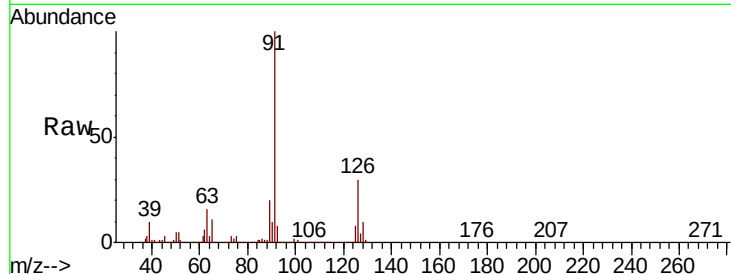
Tgt Ion: 91 Resp: 6284048
 Ion Ratio Lower Upper
 91 100
 92 55.2 44.6 66.8
 134 22.9 19.2 28.8





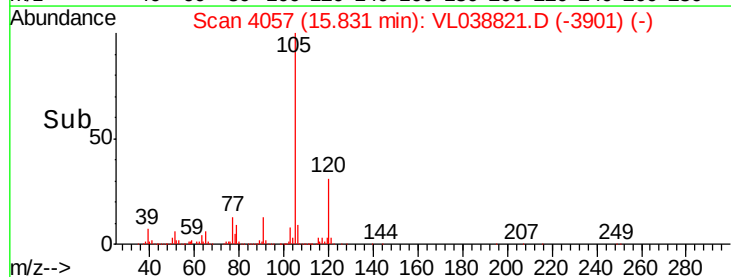
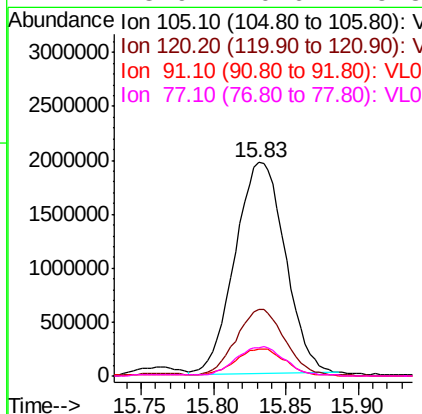
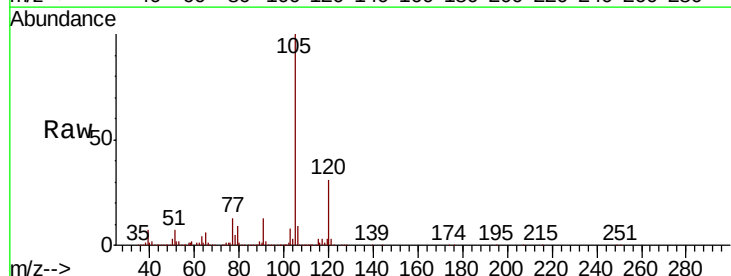
#71
 2-Chlorotoluene
 Concen: 9.624 ppbv
 RT: 15.45
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VL0405ABS01
 Acq: 5 Apr 2022 22:29

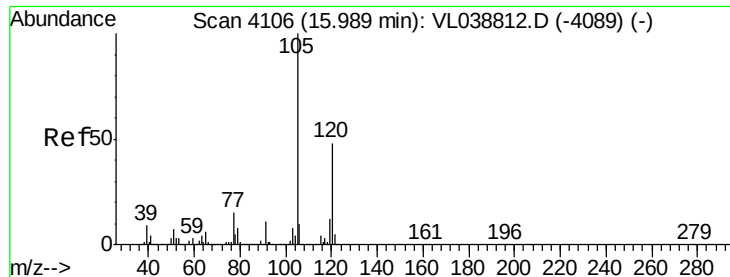
Tot Ion: 91 Resp: 4517972
 Ion Ratio Lower Upper
 91 100
 126 30.9 13.0 51.8



#72
 4-Ethyltoluene
 Concen: 9.492 ppbv
 RT: 15.83 min Scan# 4057
 Delta R.T.: 0.00 min
 Lab File: VL038821.D
 Acq: 5 Apr 2022 22:29

Tgt Ion:105 Resp: 4714507
 Ion Ratio Lower Upper
 105 100
 120 31.0 24.3 36.5
 91 12.6 9.4 14.2
 77 13.9 10.6 15.8





#73

1,3,5-Trimethylbenzene

Concen: 9.616 ppbv

RT: 15.99

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

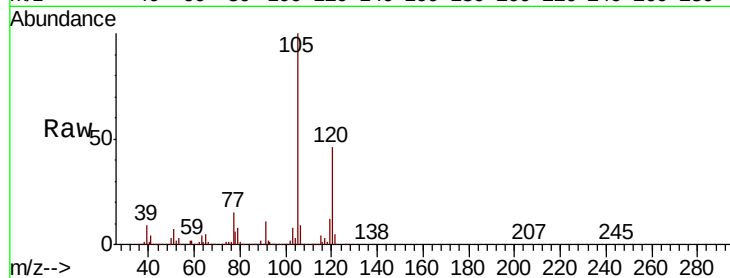
Acq: 5 Apr 2022 22:29

Tot Ion:105 Resp: 4290660

Ion Ratio Lower Upper

105 100

120 46.4 38.7 58.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

15.99

2000000

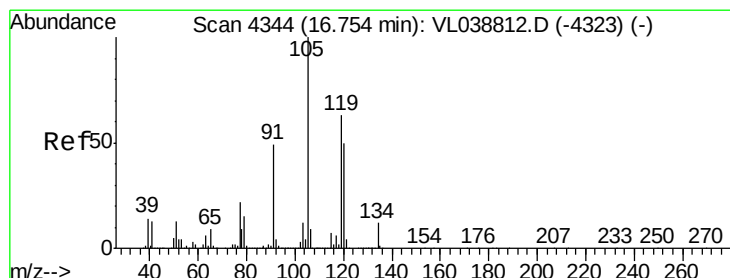
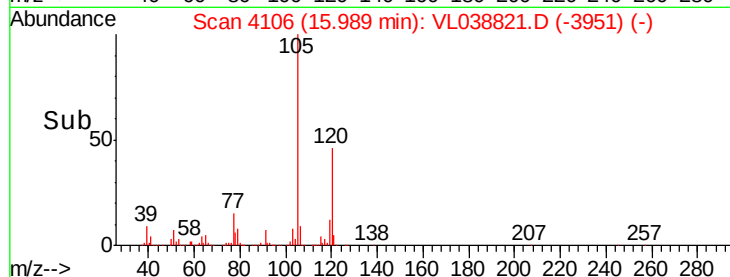
1500000

1000000

500000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 9.286 ppbv

RT: 16.76 min Scan# 4345

Delta R.T. 0.00 min

Lab File: VL038821.D

Acq: 5 Apr 2022 22:29

Tgt Ion:105 Resp: 4380014

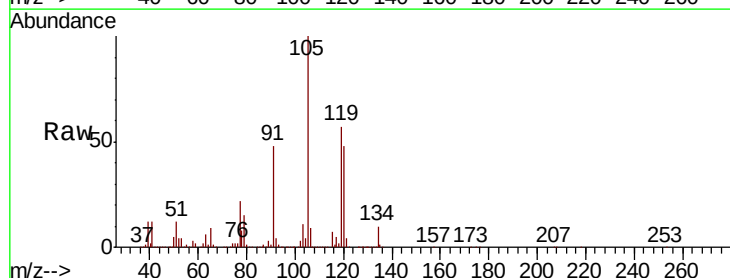
Ion Ratio Lower Upper

105 100

120 47.8 39.8 59.8

91 46.9 39.4 59.0

77 21.3 17.3 25.9



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

2500000

2000000

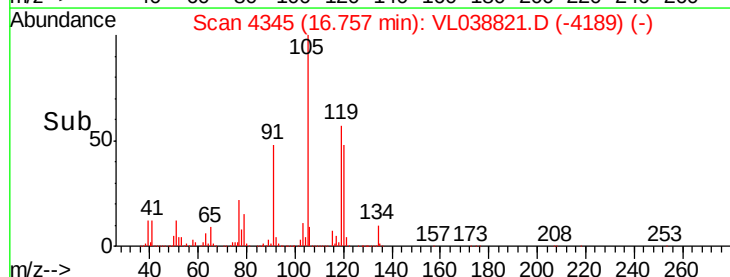
1500000

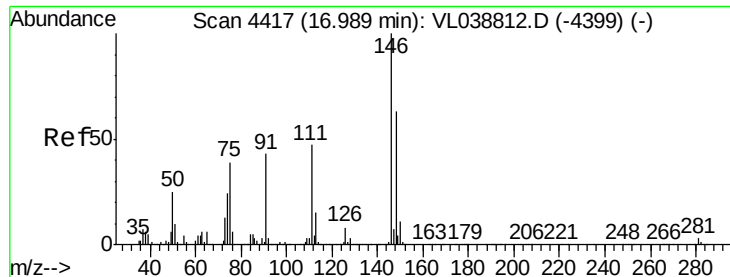
1000000

500000

0

Time-->





#75

1,3-Dichlorobenzene

Concen: 9.418 ppbv

RT: 16.99

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 5 Apr 2022 22:29

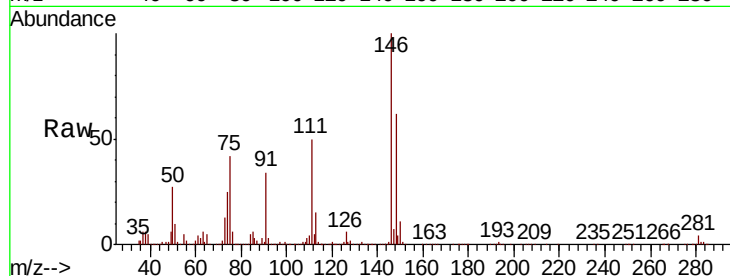
Tot Ion:146 Resp: 2579269

Ion Ratio Lower Upper

146 100

111 48.1 23.8 71.2

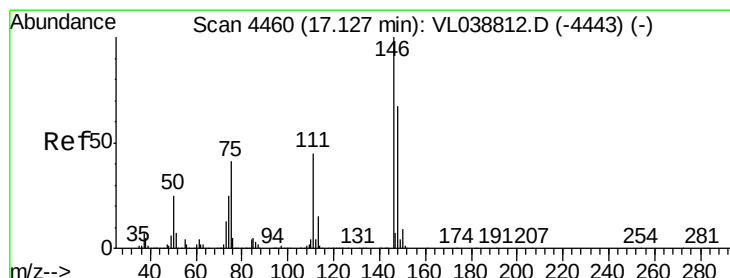
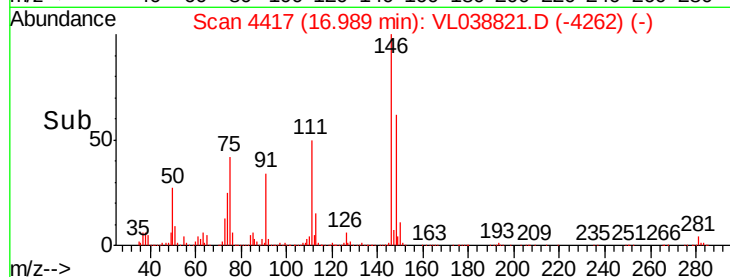
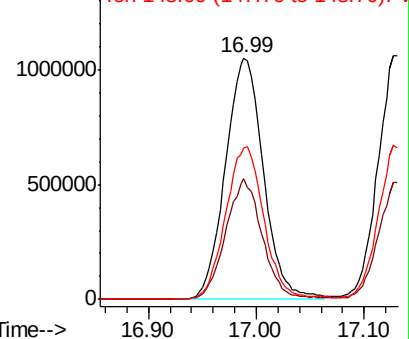
148 63.8 31.8 95.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 9.536 ppbv

RT: 17.13 min Scan# 4462

Delta R.T. 0.01 min

Lab File: VL038821.D

Acq: 5 Apr 2022 22:29

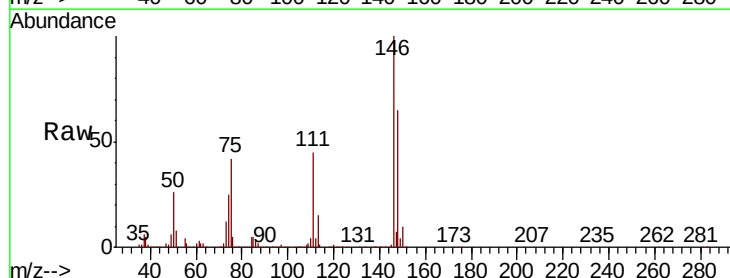
Tgt Ion:146 Resp: 2572522

Ion Ratio Lower Upper

146 100

111 47.4 23.6 70.8

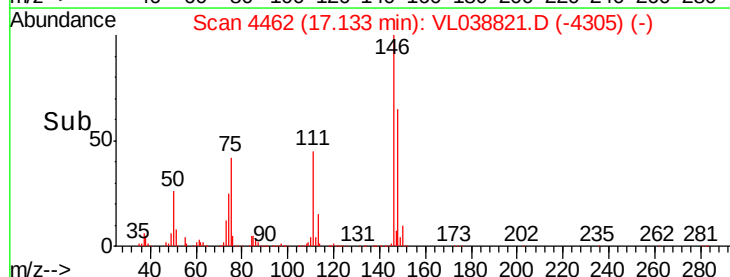
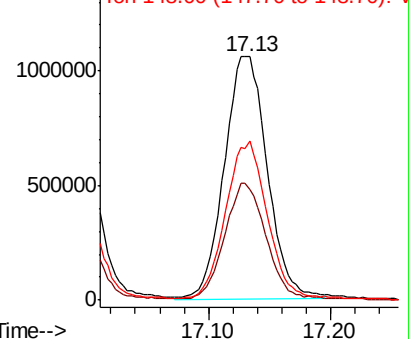
148 65.0 33.6 100.6

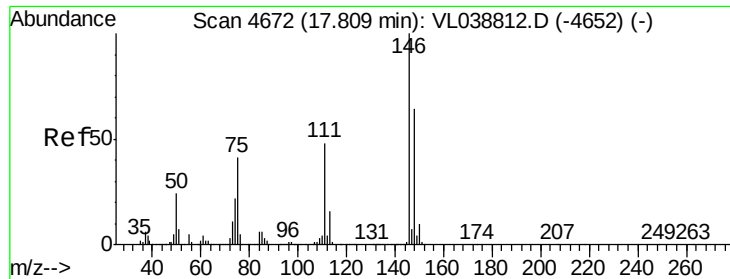


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

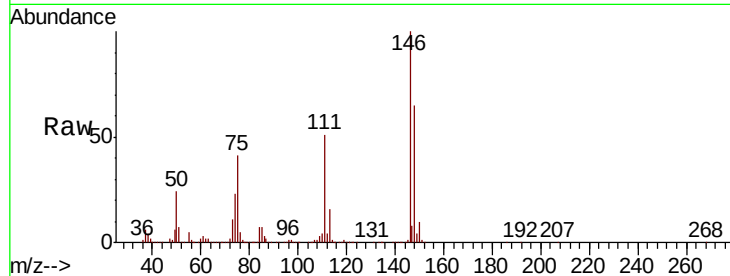
Ion 148.00 (147.70 to 148.70): V



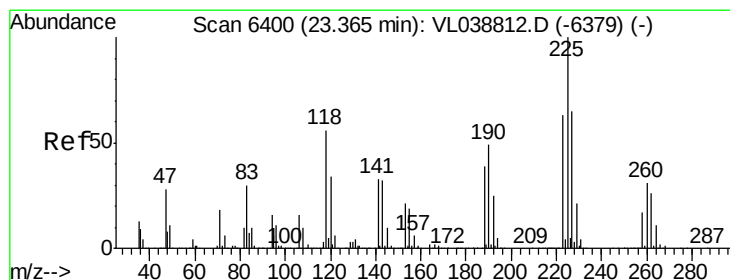
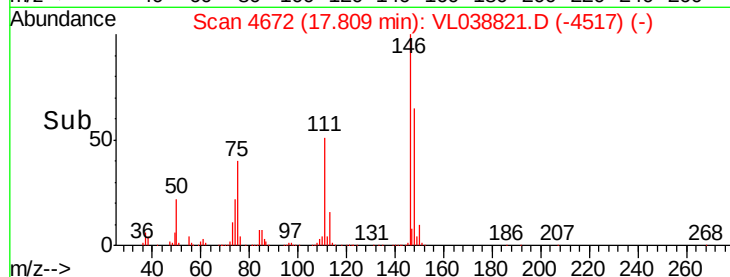
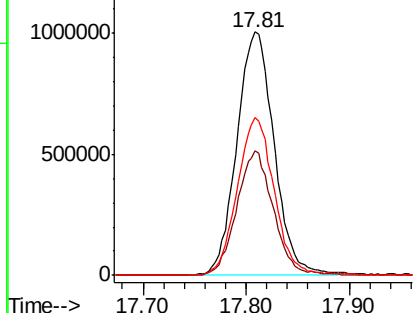


#77
 1,2-Dichlorobenzene
 Concen: 9.320 ppbv
 RT: 17.81 min
 Delta R.T.: MSVOA_L
 Lab File: ClientSampleId : VL0405ABS01
 Acq: 5 Apr 2022 22:29

Tot Ion:146 Resp: 2516076
 Ion Ratio Lower Upper
 146 100
 111 50.1 24.8 74.3
 148 64.7 31.9 95.7

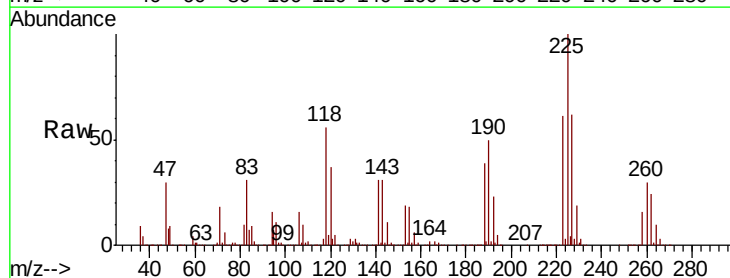


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.10 (110.80 to 111.80): V
 Ion 148.00 (147.70 to 148.70): V

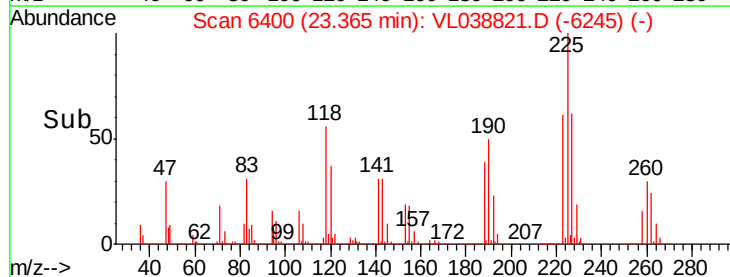
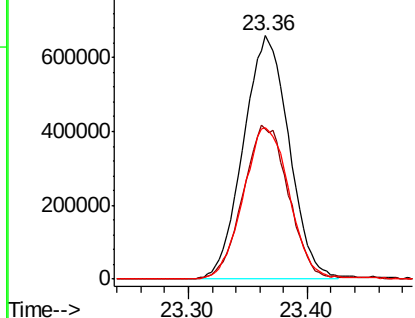


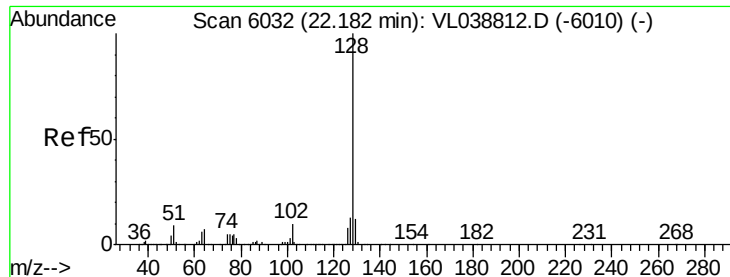
#78
 Hexachloro-1,3-Butadiene
 Concen: 8.209 ppbv
 RT: 23.36 min Scan# 6400
 Delta R.T.: -0.00 min
 Lab File: VL038821.D
 Acq: 5 Apr 2022 22:29

Tgt Ion:225 Resp: 1751008
 Ion Ratio Lower Upper
 225 100
 223 63.8 51.6 77.4
 227 63.5 52.3 78.5



Abundance Ion 224.90 (224.60 to 225.60): V
 Ion 222.90 (222.60 to 223.60): V
 Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 10.206 ppbv

RT: 22.19 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 5 Apr 2022 22:29

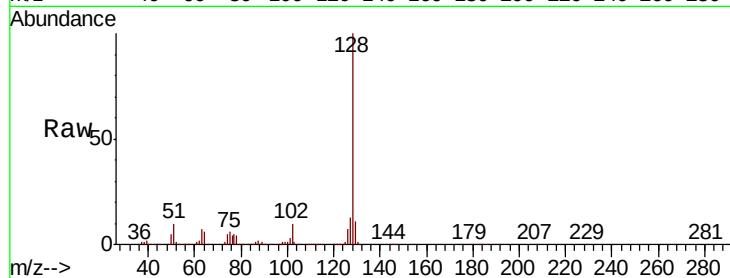
Tot Ion:128 Resp: 3600984

Ion Ratio Lower Upper

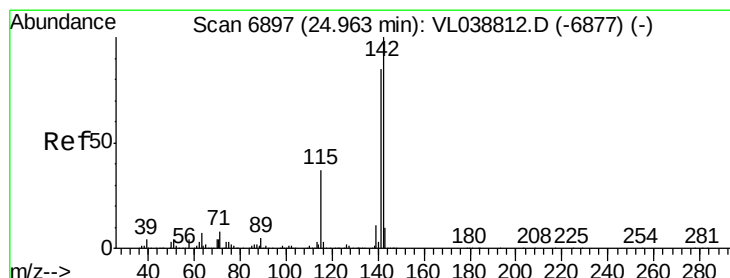
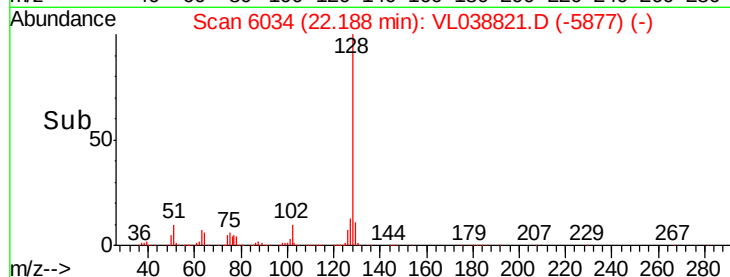
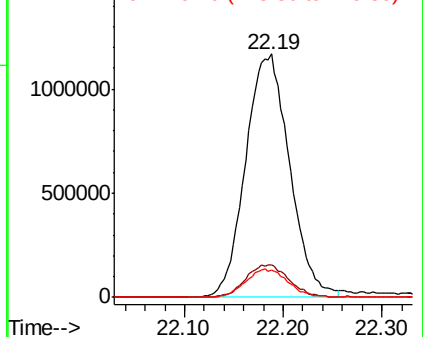
128 100

127 13.1 10.6 15.8

129 11.3 9.4 14.0



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



#80

Naphthalene, 2-methyl-

Concen: 10.346 ppbv

RT: 24.97 min Scan# 6898

Delta R.T. 0.00 min

Lab File: VL038821.D

Acq: 5 Apr 2022 22:29

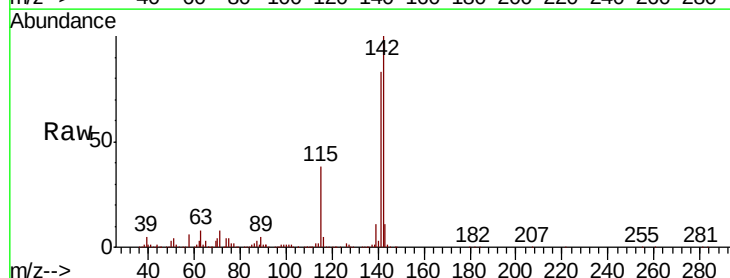
Tgt Ion:142 Resp: 899524

Ion Ratio Lower Upper

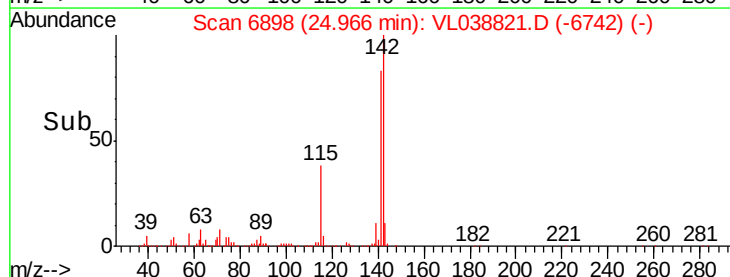
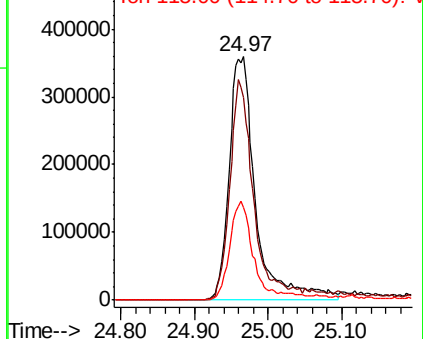
142 100

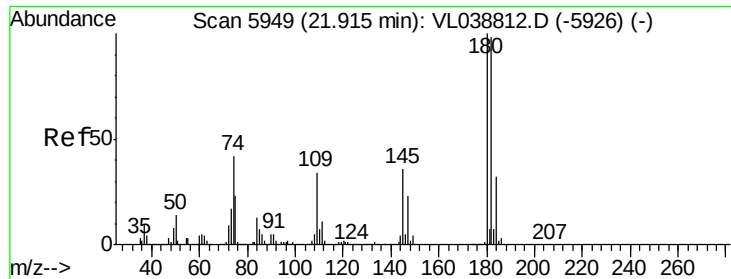
141 81.8 68.8 103.2

115 38.5 31.6 47.4



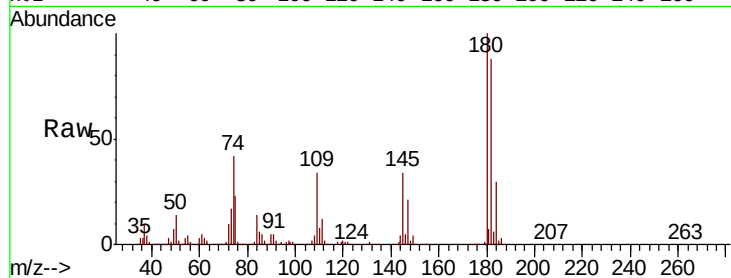
Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 9.517 ppbv
 RT: 21.91
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VL0405ABS01
 Acq: 5 Apr 2022 22:29

Tot Ion:180 Resp: 1965224
 Ion Ratio Lower Upper
 180 100
 182 96.4 79.4 119.0
 184 30.8 25.0 37.6



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

