

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072522\
 Data File : VL039521.D
 Acq On : 25 Jul 2022 15:15
 Operator : SY/AP
 Sample : VL0725ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VL0725ABS01

Quant Time: Jul 26 08:04:10 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL062922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 06 02:15:38 2022
 QLast Update : Wed Jul 06 02:15:38 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1061013	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	2968559	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.09	117	3555498	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2193432	8.32	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	83.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	2251649	14.713 ppbv	98
3) Chlorodifluoromethane	2.99	51	1314254	9.763 ppbv	98
4) Chloromethane	3.15	50	712763	9.681 ppbv	99
5) Vinyl Chloride	3.26	62	687987	9.477 ppbv	98
6) Bromomethane	3.48	94	318490	10.424 ppbv	98
7) Chloroethane	3.56	64	257278	9.963 ppbv	98
8) Dichlorotetrafluoroethane	3.19	85	1742304	10.422 ppbv	100
9) Propene	3.02	41	568312	9.349 ppbv	99
10) Heptane	8.13	43	1489853	10.464 ppbv	99
11) Trichlorofluoromethane	3.96	101	1746181	10.239 ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1290616	10.152 ppbv	100
13) Ethanol	3.61	45	13686	3.880 ppbv #	22
14) Bromoethene	3.74	108	549291	10.277 ppbv	99
15) Acetone	3.85	43	1310563	10.441 ppbv	99
16) 1,3-Butadiene	3.33	39	694542	10.664 ppbv	97
17) tert-Butyl alcohol	4.29	59	1204521	11.306 ppbv	100
18) 1,1-Dichloroethene	4.29	96	581977	10.104 ppbv	95
19) Isopropyl Alcohol	3.96	45	658857	9.840 ppbv	99
20) Methylene Chloride	4.35	84	487466	9.743 ppbv	98
21) Allyl Chloride	4.42	41	897701	10.326 ppbv	100
22) trans-1,2-Dichloroethene	4.89	96	581253	10.426 ppbv	96
23) Vinyl Acetate	5.08	43	984075	11.731 ppbv #	96
24) 1,1-Dichloroethane	5.02	63	1311911	11.073 ppbv	99
25) Ethyl Acetate	5.68	43	2739659	10.644 ppbv	99
26) Hexane	5.69	57	1108164	10.681 ppbv	95
27) Carbon Disulfide	4.56	76	1423817	11.370 ppbv	100
28) Methyl tert-Butyl Ether	5.04	73	1263967	11.394 ppbv	96
29) Chloroform	5.76	83	1876754	10.403 ppbv	98
30) Cyclohexane	7.14	84	988968	10.470 ppbv	99
31) cis-1,2-Dichloroethene	5.56	61	1177233	10.694 ppbv	98
32) 1,1,1-Trichloroethane	6.52	97	1923765	10.803 ppbv	99
34) 2-Butanone	5.25	43	1601955	10.720 ppbv	99
35) Carbon Tetrachloride	7.02	117	2043835	11.142 ppbv	100
36) Benzene	6.90	78	2409767	10.488 ppbv	97
37) 1,2-Dichloroethane	6.31	62	1456665	10.742 ppbv	99
38) Trichloroethene	7.84	130	1292471	10.401 ppbv	98
39) 1,2-Dichloropropane	7.62	63	882723	10.284 ppbv	97
40) 1,4-Dioxane	7.84	88	324518	9.488 ppbv #	1
41) Tetrahydrofuran	6.05	42	915864	10.576 ppbv	99
42) Bromodichloromethane	7.80	83	2030048	11.102 ppbv	94
43) Methyl Methacrylate	8.02	69	984692	11.272 ppbv	100

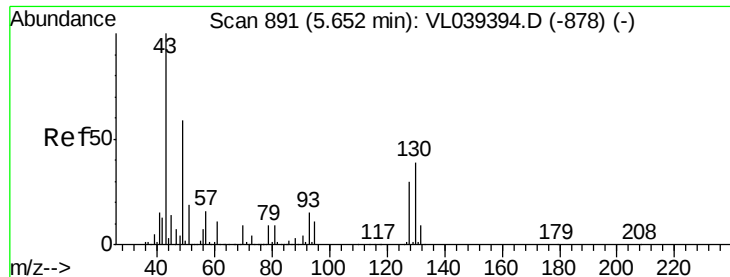
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072522\
 Data File : VL039521.D
 Acq On : 25 Jul 2022 15:15
 Operator : SY/AP
 Sample : VL0725ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VL0725ABS01

Quant Time: Jul 26 08:04:10 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL062922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 06 02:15:38 2022
 QLast Update : Wed Jul 06 02:15:38 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	4019239	10.323	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1022705	13.148	ppbv	100
46) cis-1,3-Dichloropropene	8.71	75	1330191	12.425	ppbv	99
47) 1,1,2-Trichloroethane	9.48	97	1012374	10.512	ppbv	97
48) Dibromochloromethane	10.31	129	1834116	11.982	ppbv	100
49) Bromoform	13.05	173	1558619	12.622	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2552837	11.298	ppbv	99
51) 2-Hexanone	10.14	43	2018988	11.813	ppbv	99
52) Tetrachloroethene	11.23	164	959149	10.370	ppbv	98
53) Toluene	9.82	91	2934345	11.072	ppbv	99
54) 1,2-Dibromoethane	10.62	107	1351230	11.276	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.13	131	1345533	8.567	ppbv	95
57) Chlorobenzene	12.16	112	2279452	8.269	ppbv	98
58) Ethyl Benzene	12.72	91	3969132	8.645	ppbv	100
59) m/p-Xylene	13.01	91	3681438	9.096	ppbv #	40
60) o-Xylene	13.70	91	3319825	8.662	ppbv	100
61) Styrene	13.54	104	2000672	9.636	ppbv	100
62) Isopropylbenzene	14.67	105	4925894	8.440	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.68	83	1567729	7.804	ppbv	99
64) n-propylbenzene	15.56	120	715614	4.837	ppbv	79
65) tert-Butylbenzene	16.75	119	4520074	8.381	ppbv	99
66) Benzyl Chloride	17.00	91	597670	11.661	ppbv	100
67) sec-Butylbenzene	17.30	105	6167121	8.489	ppbv	100
69) p-Isopropyltoluene	17.66	119	5341715	8.666	ppbv	100
70) n-Butylbenzene	18.55	91	5227670	8.738	ppbv	100
71) 2-Chlorotoluene	15.46	91	3676080	8.800	ppbv	98
72) 4-Ethyltoluene	15.85	105	4077623	9.049	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	3669671	8.867	ppbv	99
74) 1,2,4-Trimethylbenzene	16.77	105	3960957	8.651	ppbv	97
75) 1,3-Dichlorobenzene	17.00	146	2361681	8.647	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	2311056	8.538	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	2321089	8.574	ppbv	100
78) Hexachloro-1,3-Butadiene	23.37	225	1669503	7.668	ppbv	99
79) Naphthalene	22.20	128	3287832	10.435	ppbv	100
80) Naphthalene, 2-methyl-	24.97	142	1112996	10.379	ppbv	95
81) 1,2,4-Trichlorobenzene	21.93	180	1840151	8.967	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument: MSVOA_1

Delta R.T. 0.01 min

Lab File: ClientSampleId: VL0725ABS01

Acq: 25 Jul 2022 15:15

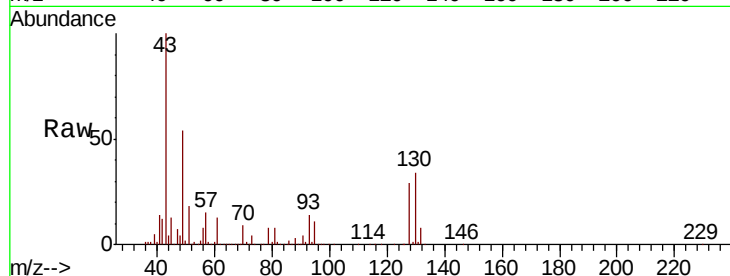
Tot Ion: 49 Resp: 1061013

Ion Ratio Lower Upper

49 100

128 53.8 26.7 80.0

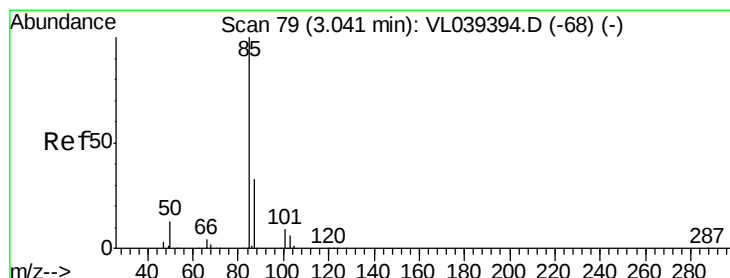
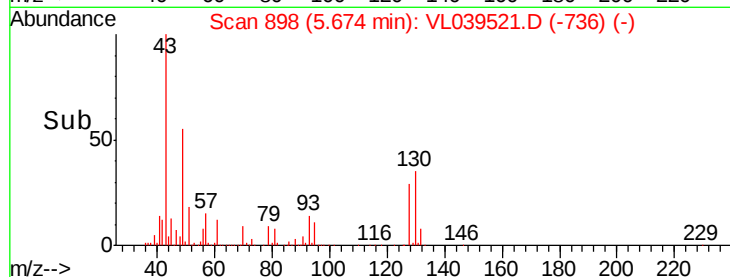
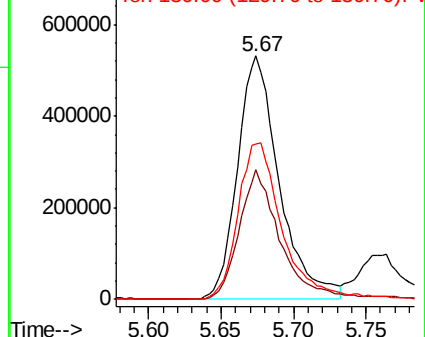
130 69.8 34.3 102.8



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: 14.713 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.01 min

Lab File: VL039521.D

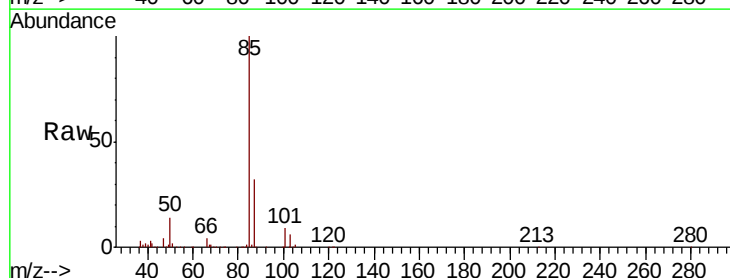
Acq: 25 Jul 2022 15:15

Tgt Ion: 85 Resp: 2251649

Ion Ratio Lower Upper

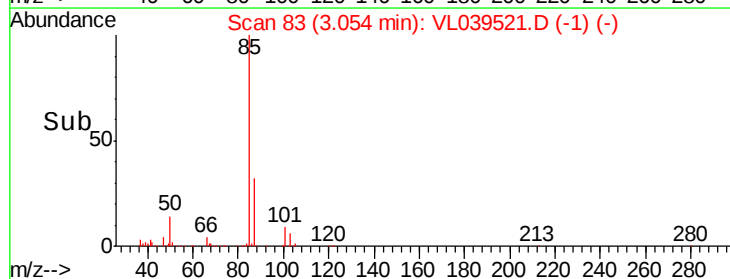
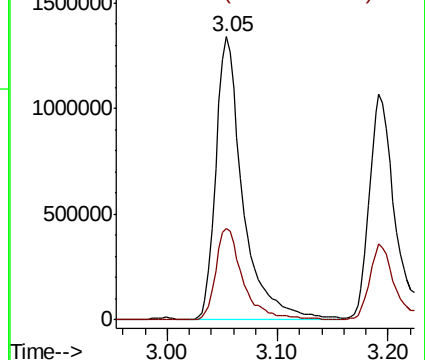
85 100

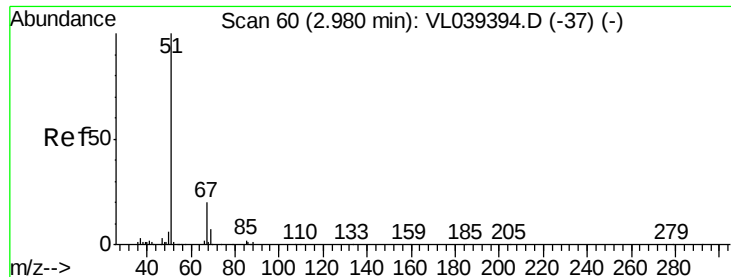
87 32.1 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

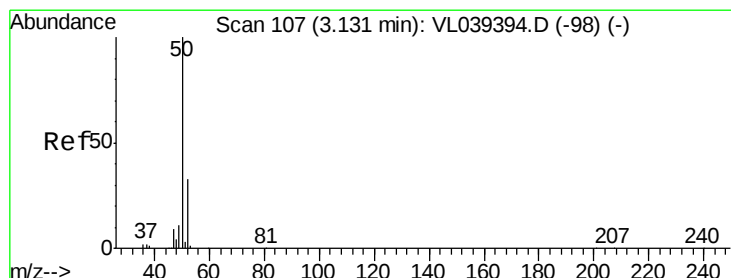
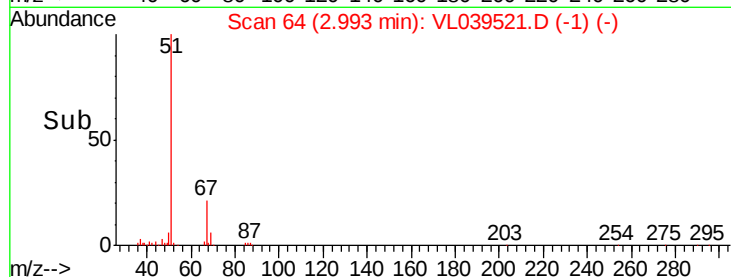
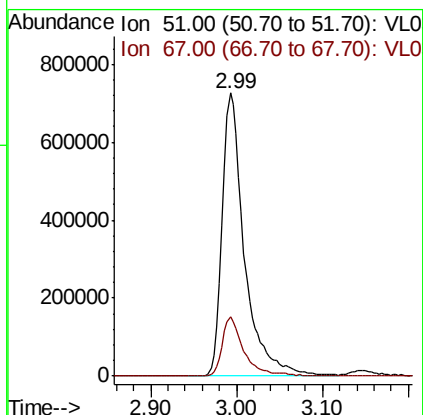
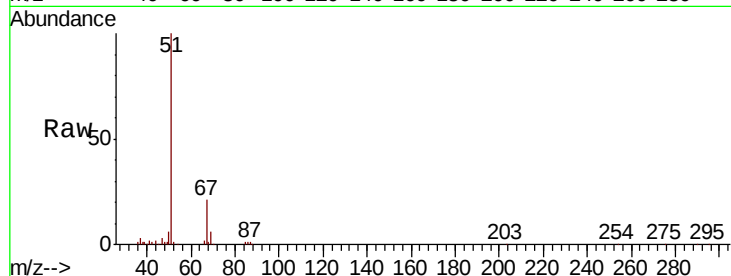
Ion 87.00 (86.70 to 87.70): VL0





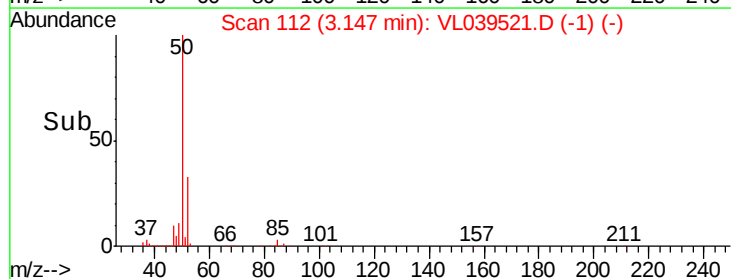
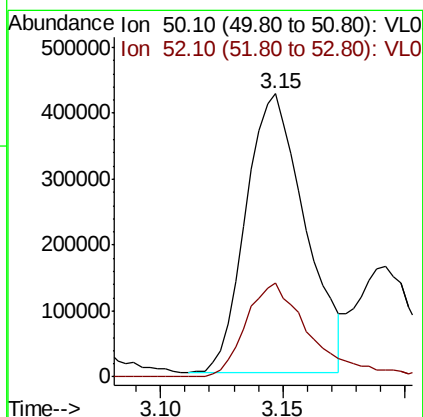
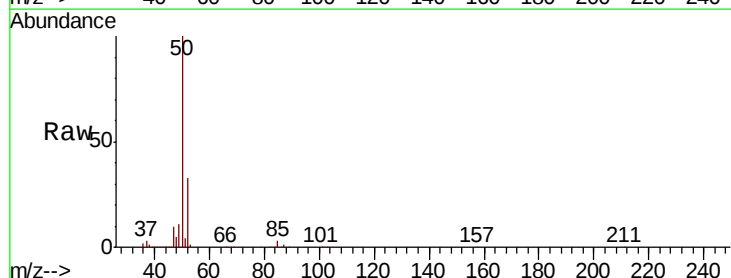
#3
 Chlorodifluoromethane
 Concen: 9.763 ppbv
 RT: 2.99
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0725ABS01
 Acq: 25 Jul 2022 15:15

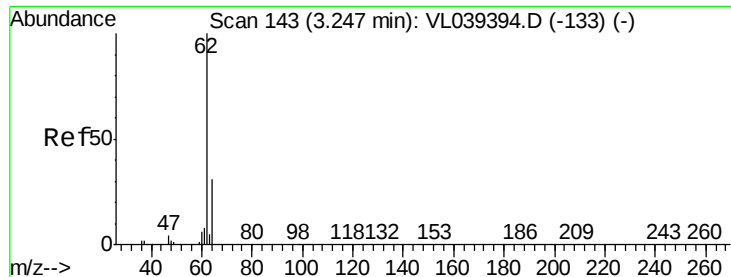
Tot Ion: 51 Resp: 1314254
 Ion Ratio Lower Upper
 51 100
 67 20.5 15.7 23.5



#4
 Chloromethane
 Concen: 9.681 ppbv
 RT: 3.15 min Scan# 112
 Delta R.T. 0.02 min
 Lab File: VL039521.D
 Acq: 25 Jul 2022 15:15

Tgt Ion: 50 Resp: 712763
 Ion Ratio Lower Upper
 50 100
 52 33.5 26.5 39.7





#5

Vinyl Chloride

Concen: 9.477 ppbv

RT: 3.26 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

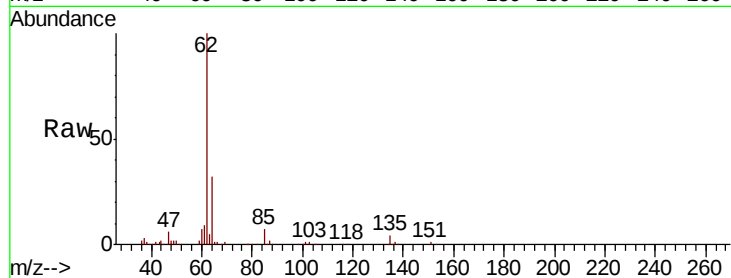
Acq: 25 Jul 2022 15:15

Tot Ion: 62 Resp: 687987

Ion Ratio Lower Upper

62 100

64 31.8 24.6 36.8



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.26

400000

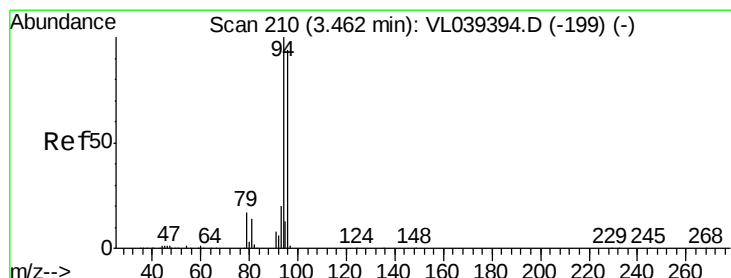
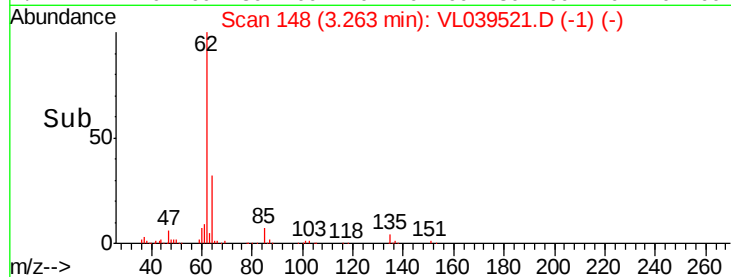
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 10.424 ppbv

RT: 3.48 min Scan# 216

Delta R.T. 0.02 min

Lab File: VL039521.D

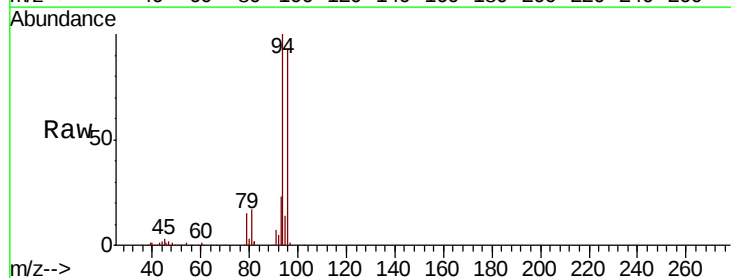
Acq: 25 Jul 2022 15:15

Tgt Ion: 94 Resp: 318490

Ion Ratio Lower Upper

94 100

96 92.7 75.6 113.4



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

200000

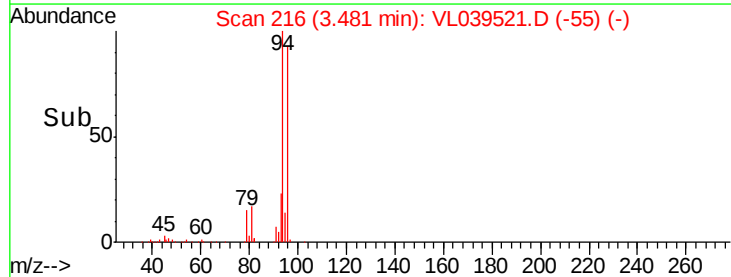
150000

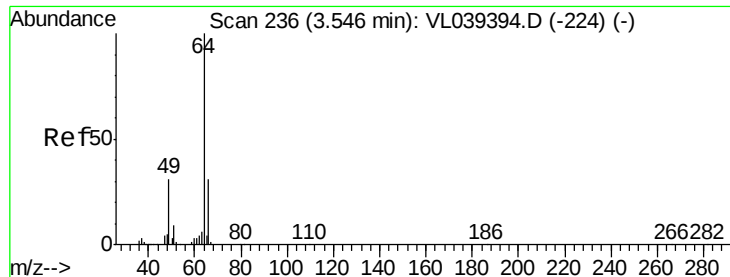
100000

50000

0

Time-->





#7

Chloroethane

Concen: 9.963 ppbv

RT: 3.56 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId: VL0725ABS01

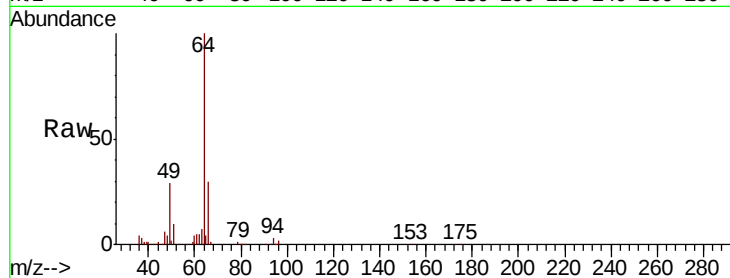
Acq: 25 Jul 2022 15:15

Tot Ion: 64 Resp: 257278

Ion Ratio Lower Upper

64 100

66 29.7 24.7 37.1



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

150000

100000

50000

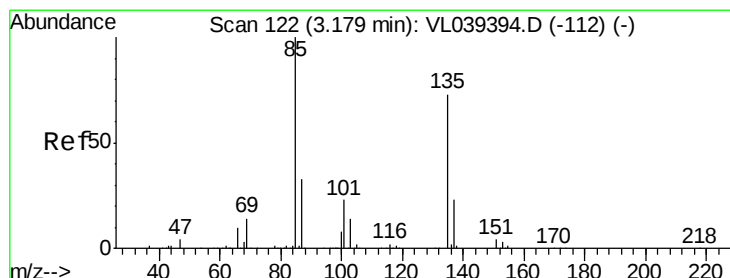
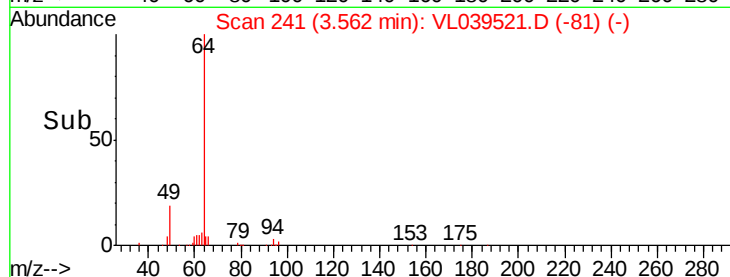
0

3.50

3.55

3.60

Time-->



#8

Dichlorotetrafluoroethane

Concen: 10.422 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.01 min

Lab File: VL039521.D

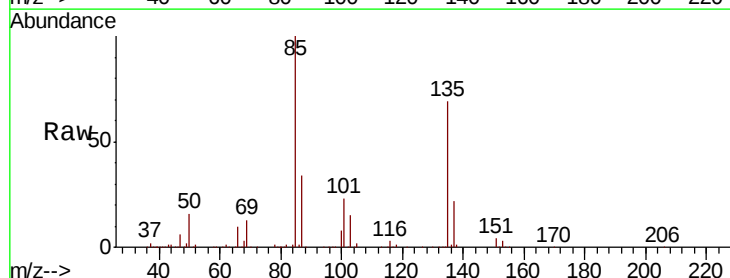
Acq: 25 Jul 2022 15:15

Tgt Ion: 85 Resp: 1742304

Ion Ratio Lower Upper

85 100

135 73.9 59.0 88.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): VL0

1200000

1000000

800000

600000

400000

200000

0

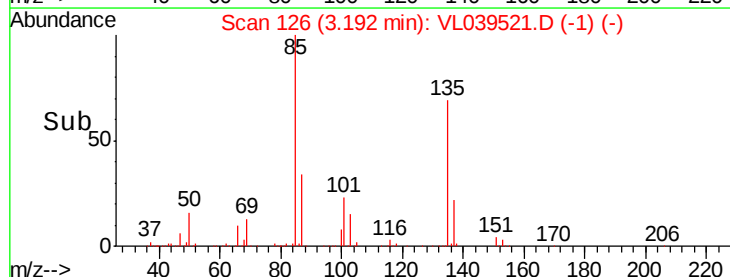
3.15

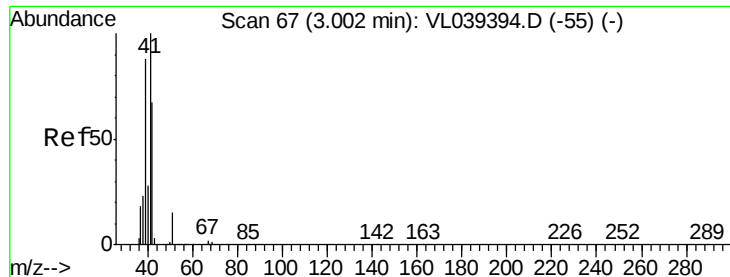
3.20

3.25

3.30

Time-->





#9

Propene

Concen: 9.349 ppbv

RT: 3.02 Instrument: MSVOA_1

Delta R.T. 0.03 min

Lab File: VL0725ABS01 ClientSampleId:

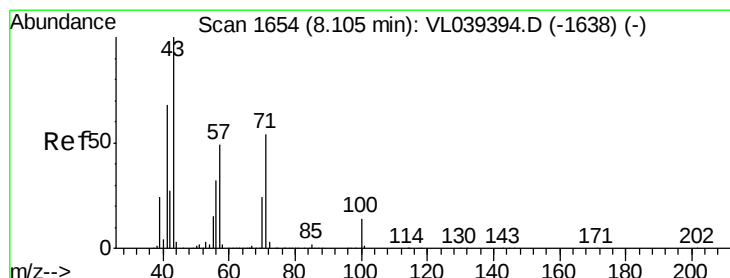
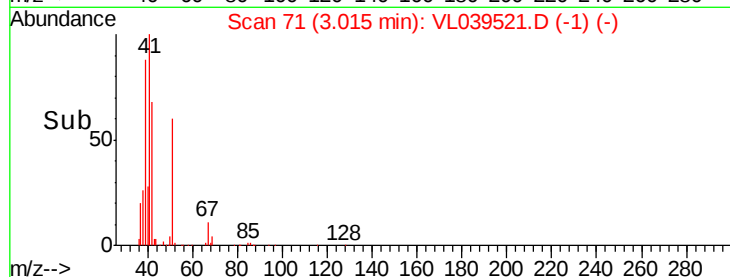
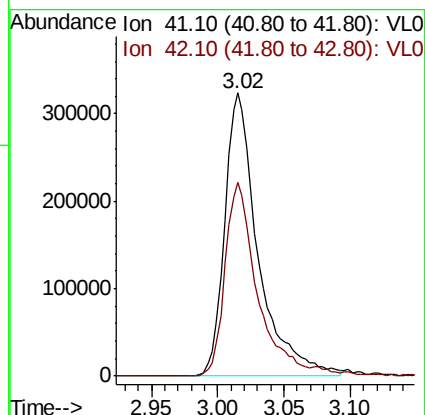
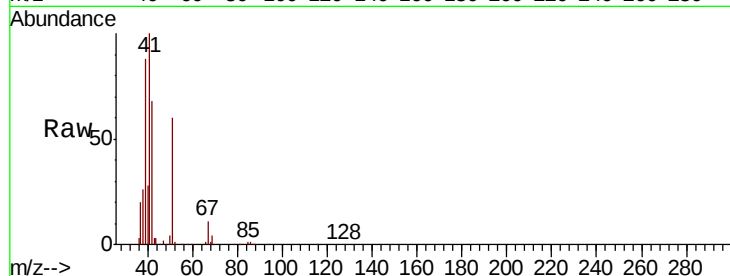
Acq: 25 Jul 2022 15:15

Tot Ion: 41 Resp: 568312

Ion Ratio Lower Upper

41 100

42 68.1 55.2 82.8



#10

Heptane

Concen: 10.464 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. 0.03 min

Lab File: VL039521.D

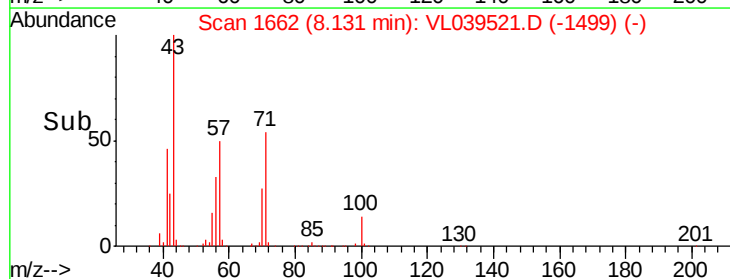
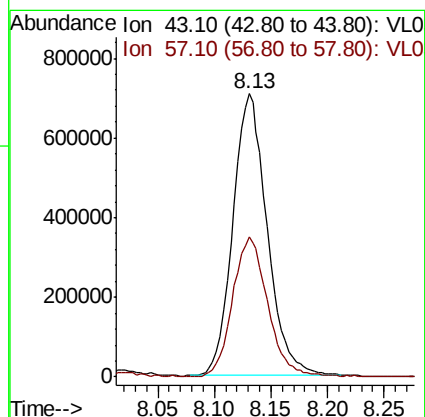
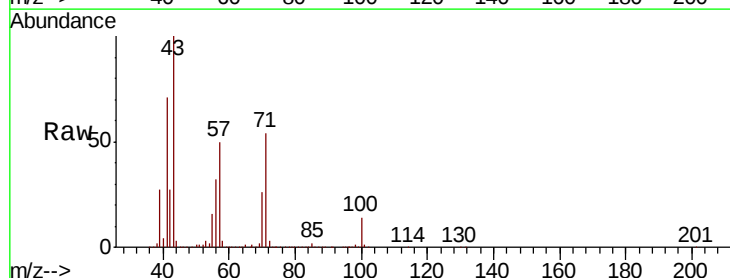
Acq: 25 Jul 2022 15:15

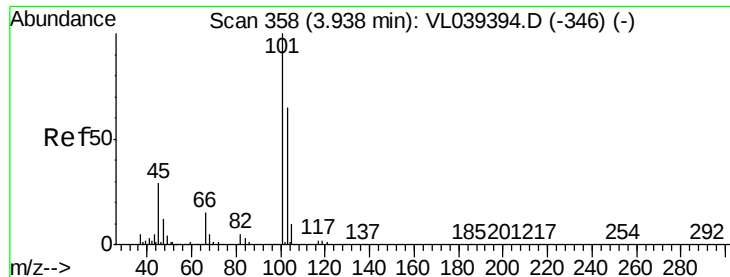
Tgt Ion: 43 Resp: 1489853

Ion Ratio Lower Upper

43 100

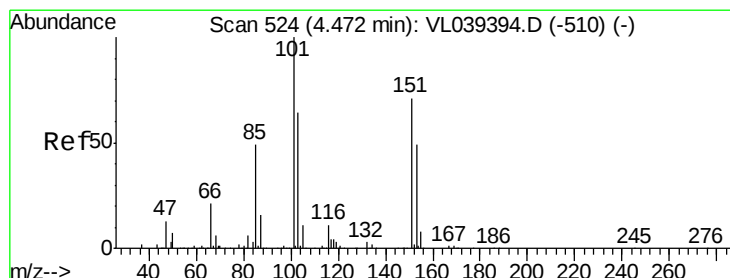
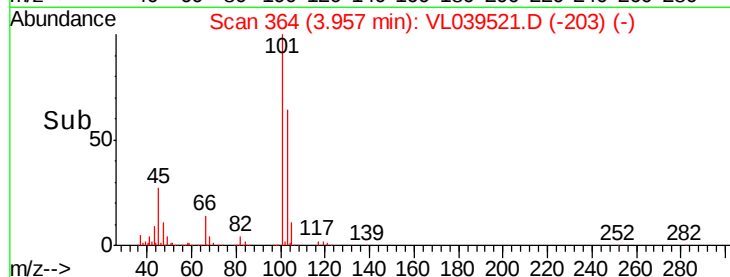
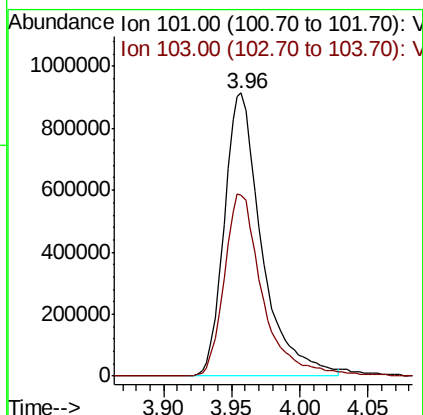
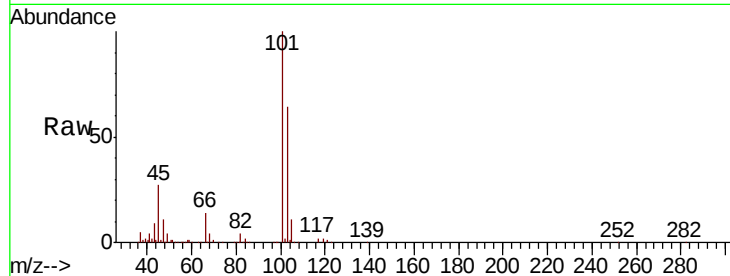
57 51.0 40.5 60.7





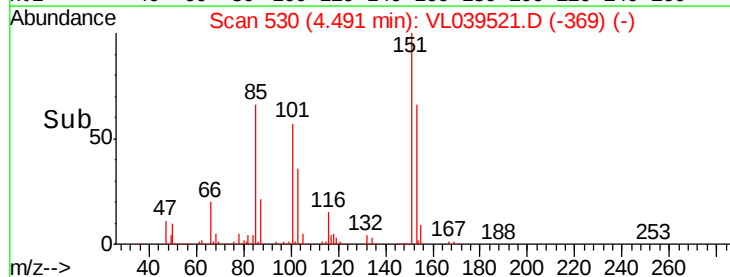
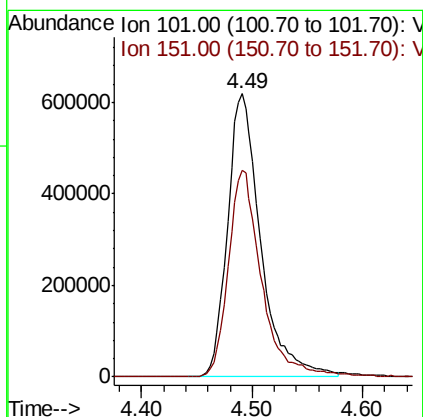
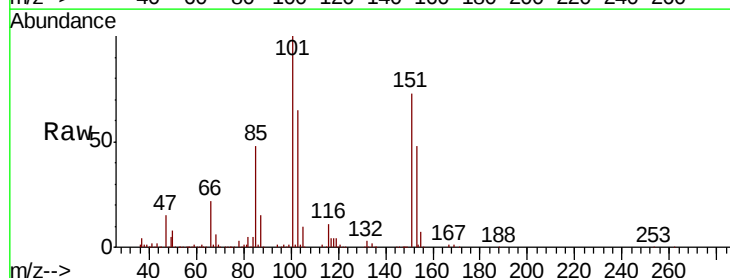
#11
 Trichlorofluoromethane
 Concen: 10.239 ppbv
 RT: 3.96
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VL0725ABS01
 Acq: 25 Jul 2022 15:15

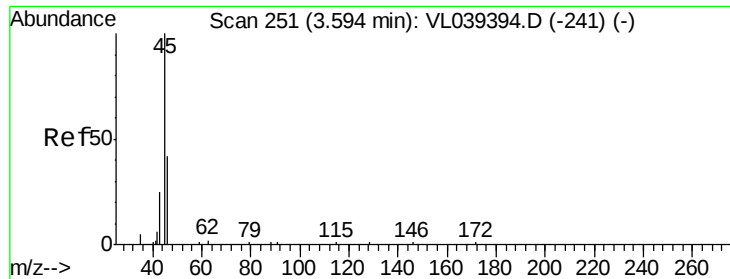
Tot Ion:101 Resp: 1746181
 Ion Ratio Lower Upper
 101 100
 103 63.7 51.8 77.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.152 ppbv
 RT: 4.49 min Scan# 530
 Delta R.T.: 0.02 min
 Lab File: VL039521.D
 Acq: 25 Jul 2022 15:15

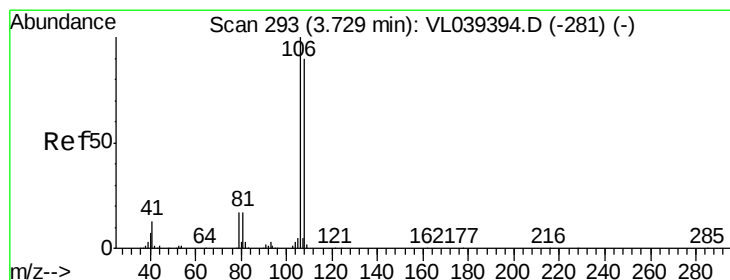
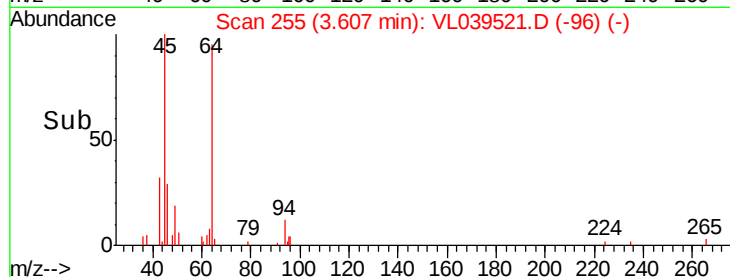
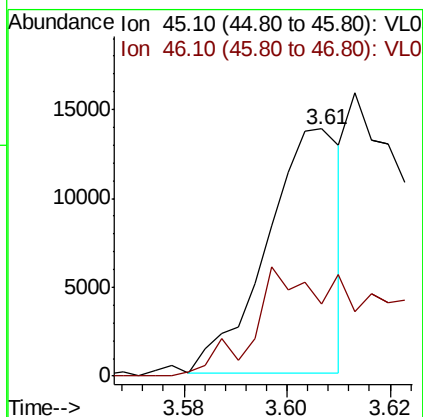
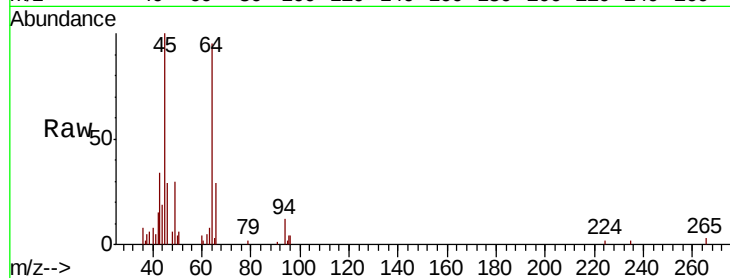
Tgt Ion:101 Resp: 1290616
 Ion Ratio Lower Upper
 101 100
 151 73.4 58.9 88.3





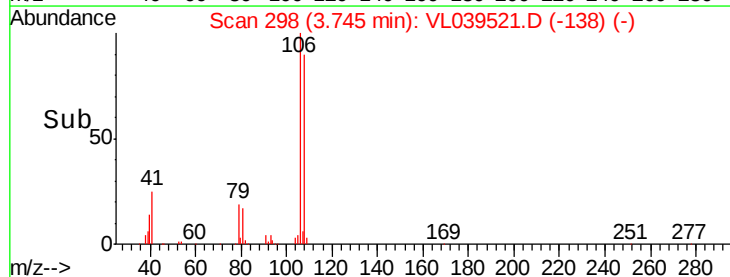
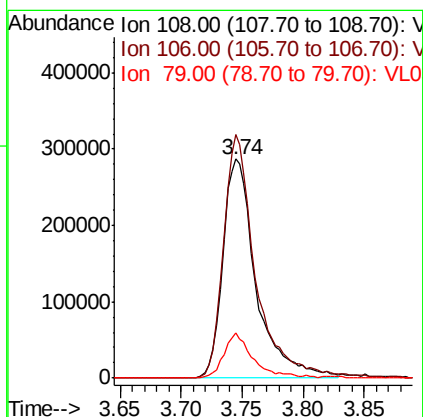
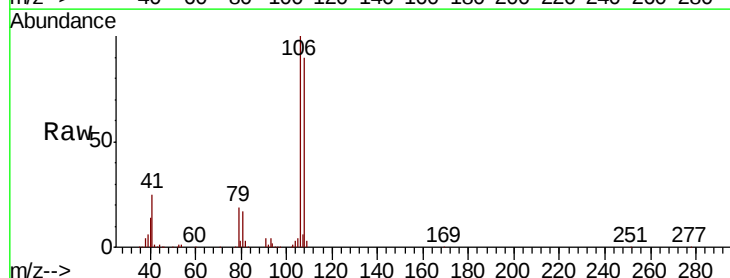
#13
Ethanol
Concen: 3.880 ppbv
RT: 3.61
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 25 Jul 2022 15:15

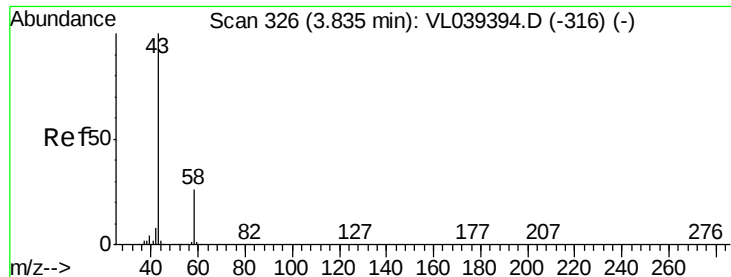
Tot Ion: 45 Resp: 13686
Ion Ratio Lower Upper
45 100
46 114.7 22.8 91.2#



#14
Bromoethene
Concen: 10.277 ppbv
RT: 3.74 min Scan# 298
Delta R.T. 0.02 min
Lab File: VL039521.D
Acq: 25 Jul 2022 15:15

Tgt Ion: 108 Resp: 549291
Ion Ratio Lower Upper
108 100
106 108.3 87.1 130.7
79 18.8 14.6 22.0





#15

Acetone

Concen: 10.441 ppbv

RT: 3.85 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL0725ABS01

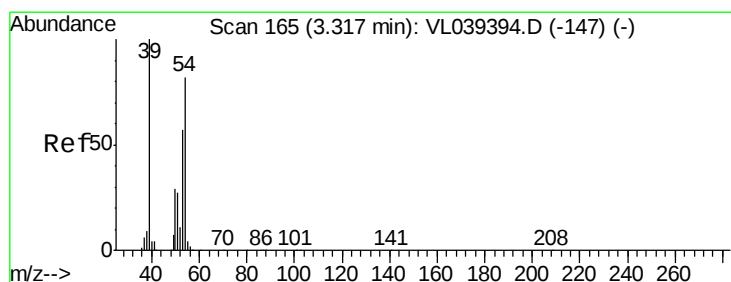
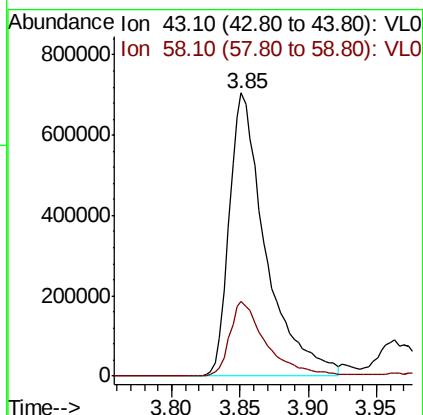
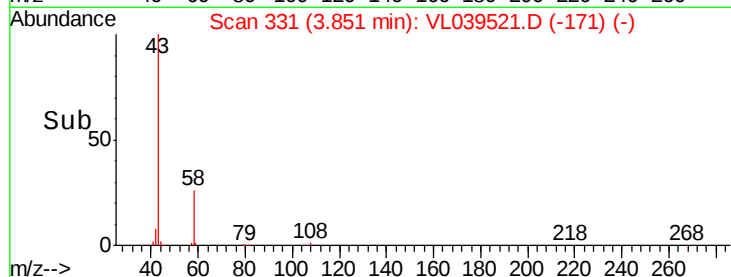
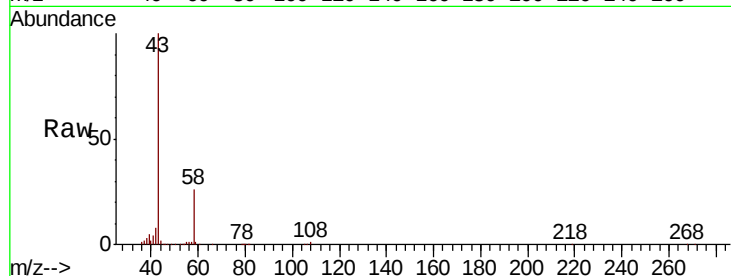
Acq: 25 Jul 2022 15:15

Tot Ion: 43 Resp: 1310563

Ion Ratio Lower Upper

43 100

58 26.9 21.0 31.6



#16

1,3-Butadiene

Concen: 10.664 ppbv

RT: 3.33 min Scan# 170

Delta R.T. 0.02 min

Lab File: VL039521.D

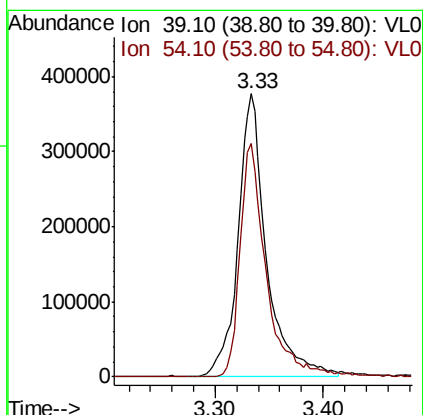
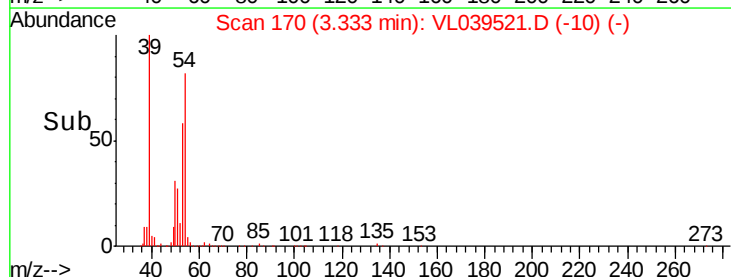
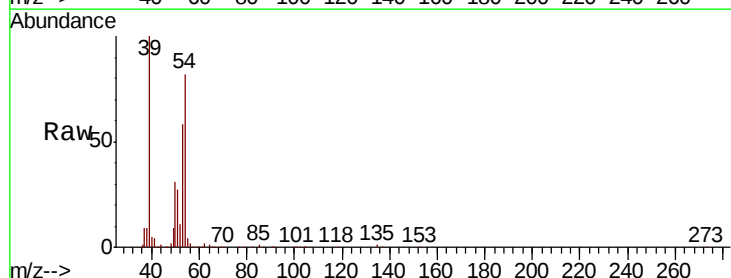
Acq: 25 Jul 2022 15:15

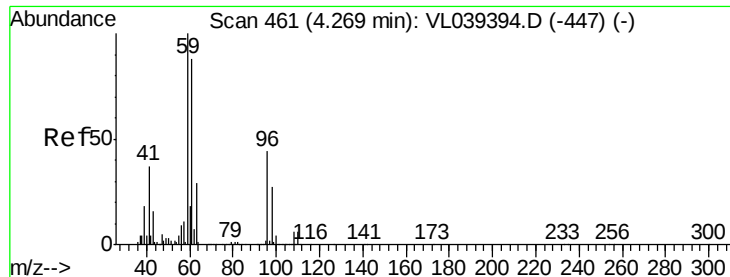
Tgt Ion: 39 Resp: 694542

Ion Ratio Lower Upper

39 100

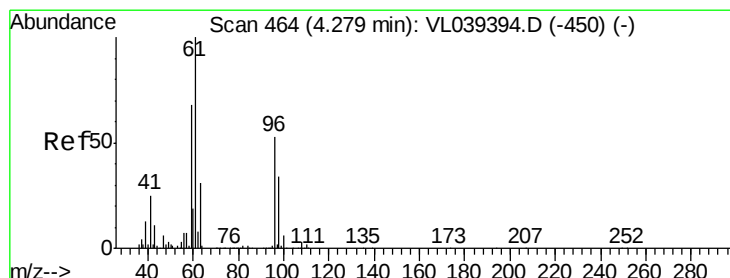
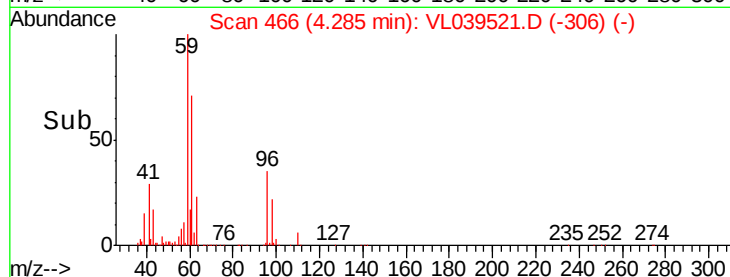
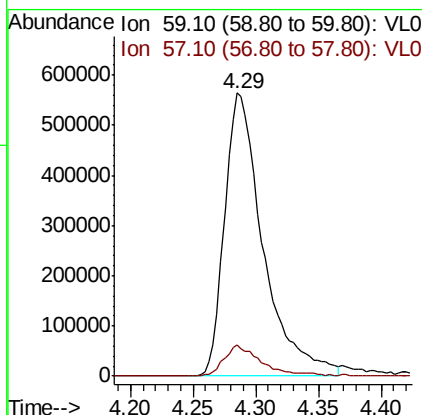
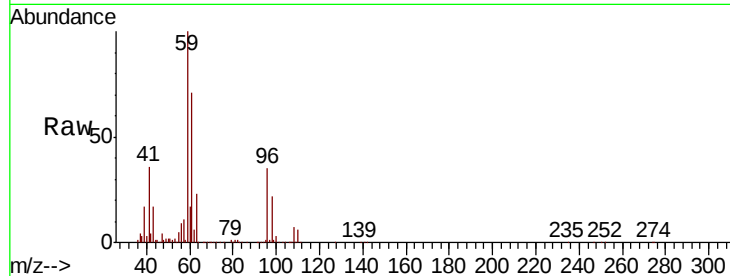
54 77.0 63.7 95.5





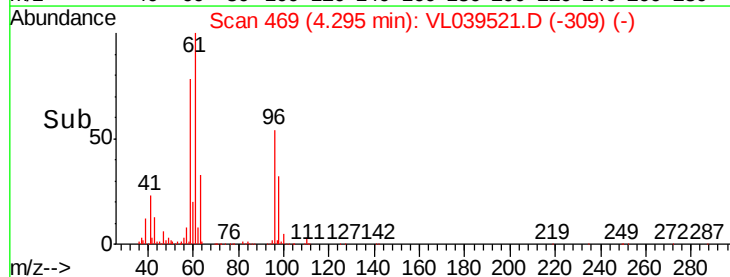
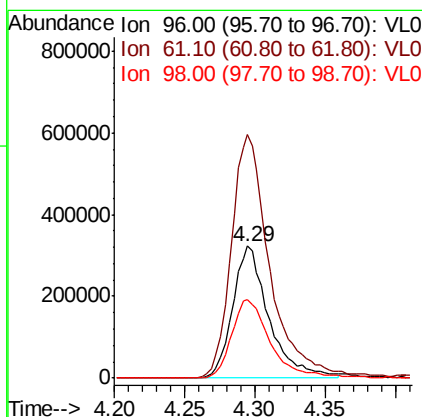
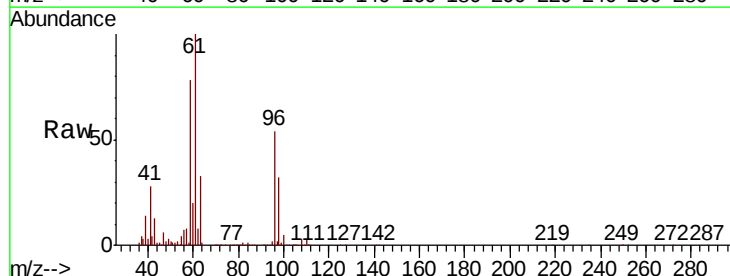
#17
 tert-Butyl alcohol
 Concen: 11.306 ppbv
 RT: 4.29
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 25 Jul 2022 15:15

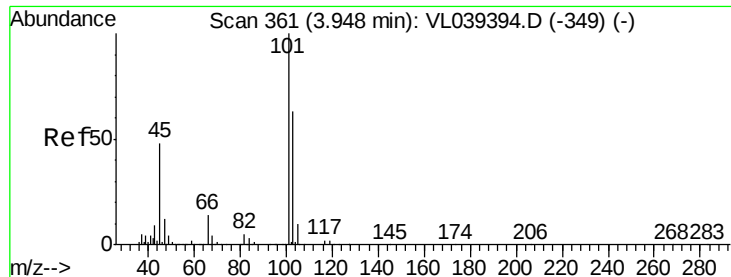
Tot Ion: 59 Resp: 1204521
 Ion Ratio Lower Upper
 59 100
 57 10.9 8.7 13.1



#18
 1,1-Dichloroethene
 Concen: 10.104 ppbv
 RT: 4.29 min Scan# 469
 Delta R.T. 0.02 min
 Lab File: VL039521.D
 Acq: 25 Jul 2022 15:15

Tgt Ion: 96 Resp: 581977
 Ion Ratio Lower Upper
 96 100
 61 184.4 152.2 228.4
 98 59.3 51.8 77.6





#19

Isopropyl Alcohol

Concen: 9.840 ppbv

RT: 3.96 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId: VL0725ABS01

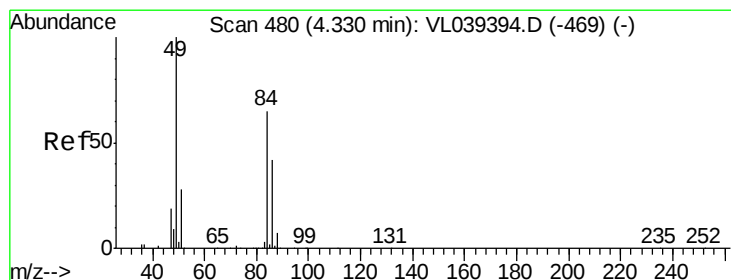
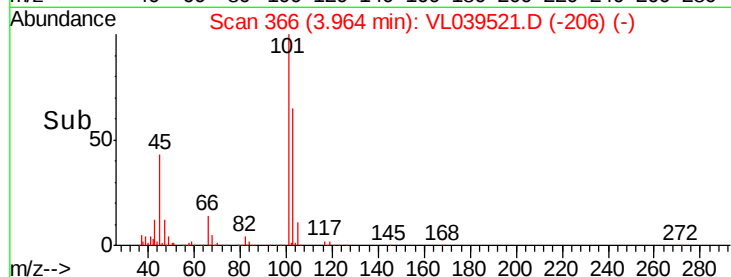
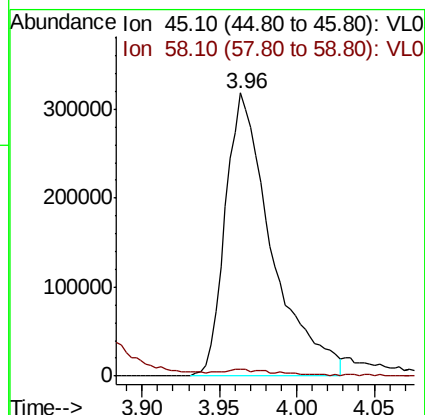
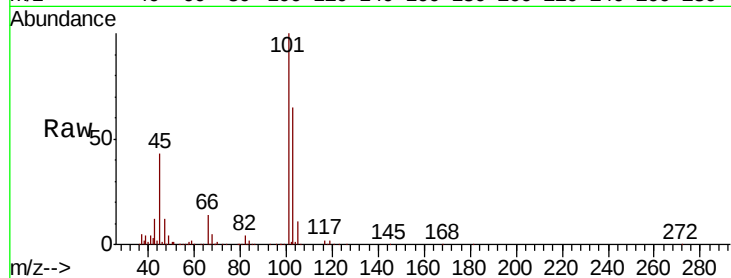
Acq: 25 Jul 2022 15:15

Tot Ion: 45 Resp: 658857

Ion Ratio Lower Upper

45 100

58 3.8 3.2 4.8



#20

Methylene Chloride

Concen: 9.743 ppbv

RT: 4.35 min Scan# 486

Delta R.T. 0.02 min

Lab File: VL039521.D

Acq: 25 Jul 2022 15:15

Tgt Ion: 84 Resp: 487466

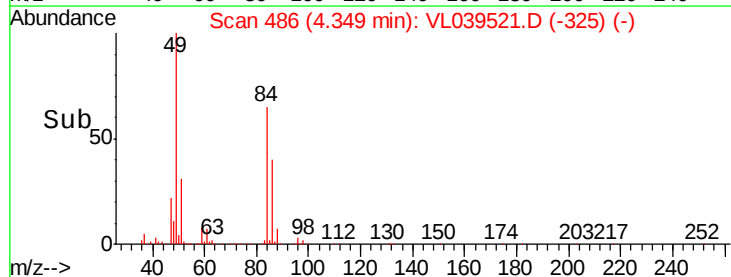
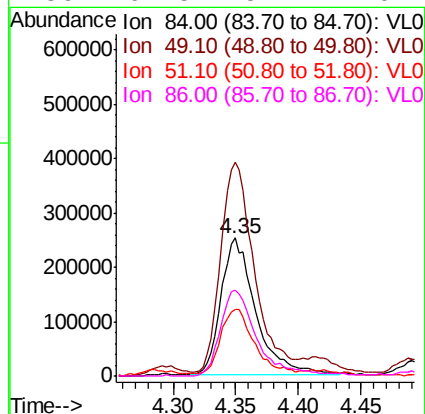
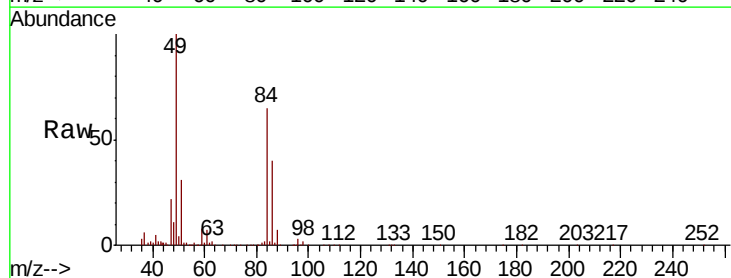
Ion Ratio Lower Upper

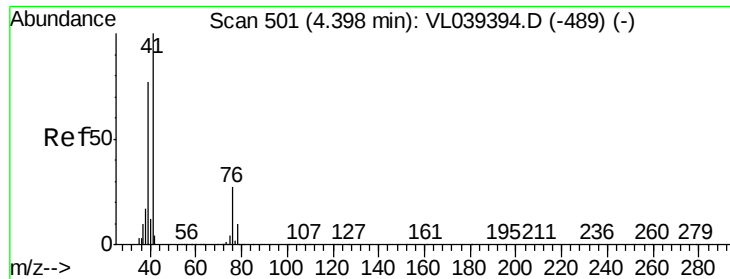
84 100

49 152.9 123.1 184.7

51 46.6 34.4 51.6

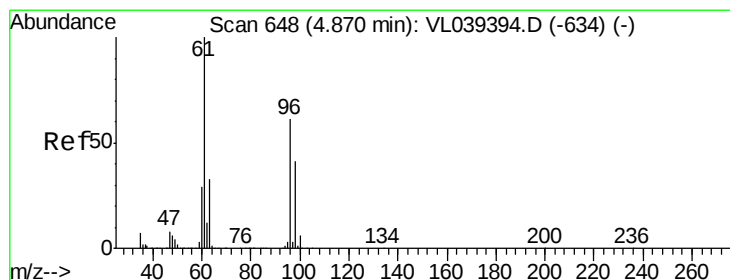
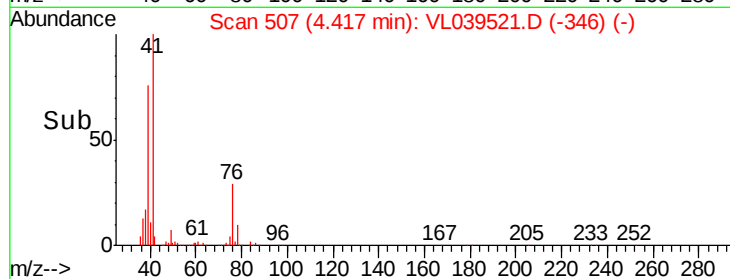
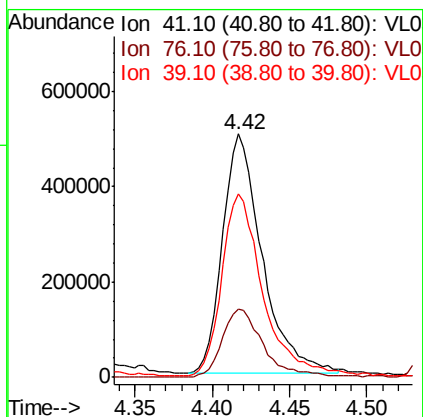
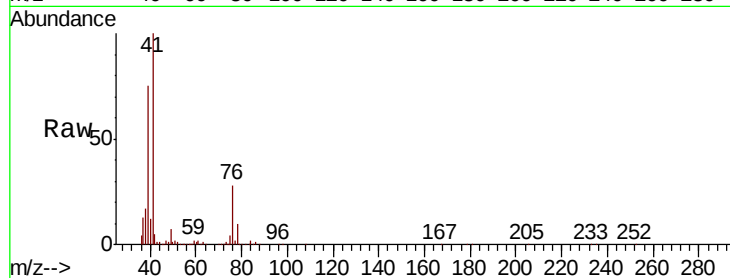
86 62.5 51.1 76.7





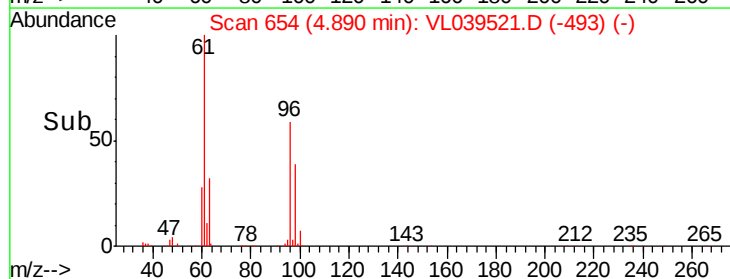
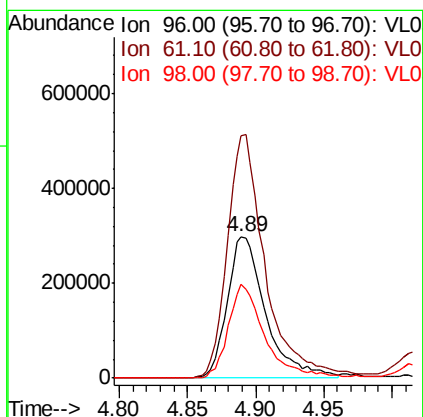
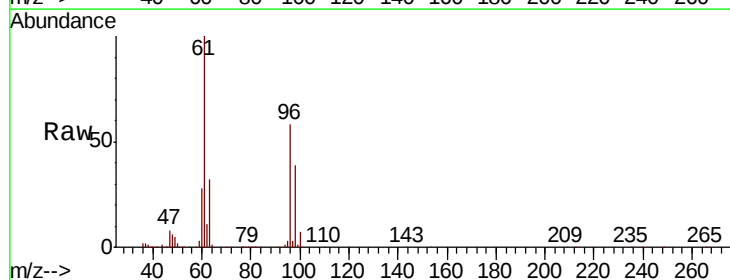
#21
 Allvl Chloride
 Concen: 10.326 ppbv
 RT: 4.42
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0725ABS01
 Acq: 25 Jul 2022 15:15

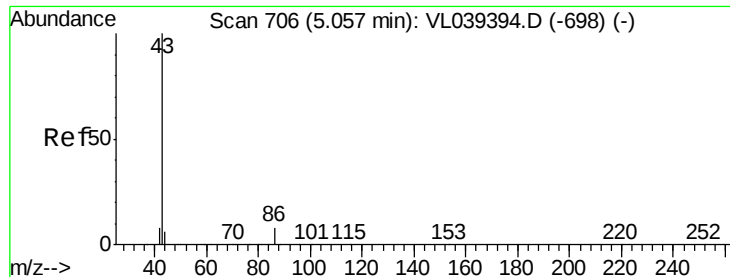
Tot Ion:	41	Resp:	897701
Ion	Ratio	Lower	Upper
41	100		
76	29.9	24.4	36.6
39	79.3	63.5	95.3



#22
 trans-1,2-Dichloroethene
 Concen: 10.426 ppbv
 RT: 4.89 min Scan# 654
 Delta R.T. 0.02 min
 Lab File: VL039521.D
 Acq: 25 Jul 2022 15:15

Tgt Ion:	96	Resp:	581253
Ion	Ratio	Lower	Upper
96	100		
61	170.9	130.6	195.8
98	66.1	53.4	80.0





#23

Vinyl Acetate

Concen: 11.731 ppbv

RT: 5.08 Instrument: MSVOA_1

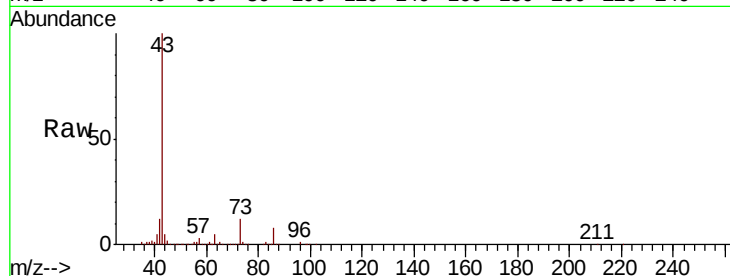
Delta R.T.

Lab File: ClientSampleId:

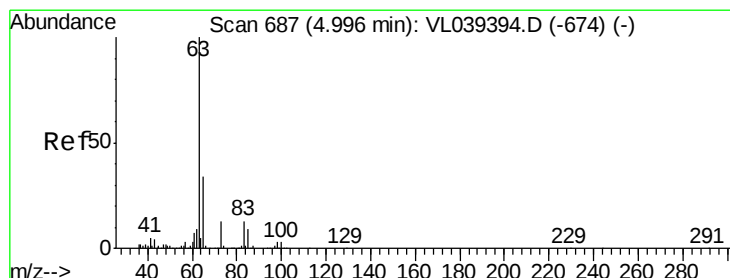
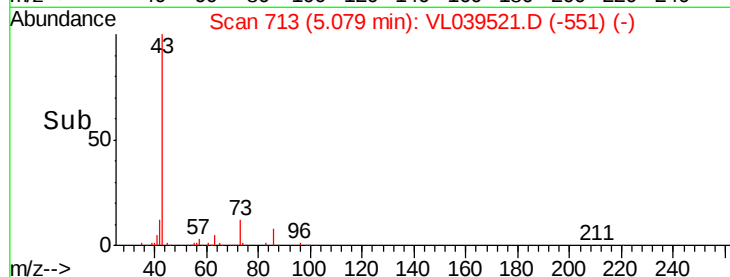
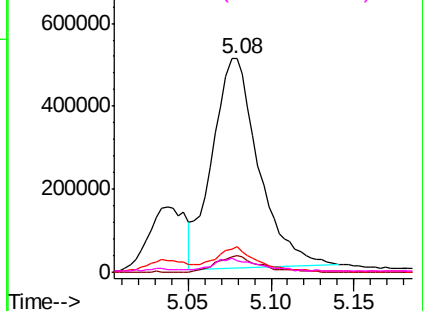
Acq: 25 Jul 2022 15:15 VL0725ABS01

Tot Ion: 43 Resp: 984075

Ion	Ratio	Lower	Upper
43	100		
86	7.5	5.0	7.6
42	11.7	7.7	11.5#
44	4.9	4.6	7.0



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: 11.073 ppbv

RT: 5.02 min Scan# 694

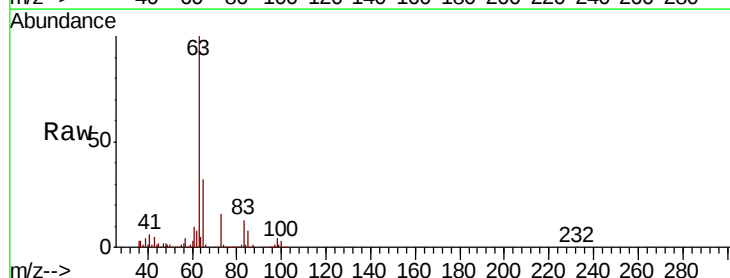
Delta R.T. 0.02 min

Lab File: VL039521.D

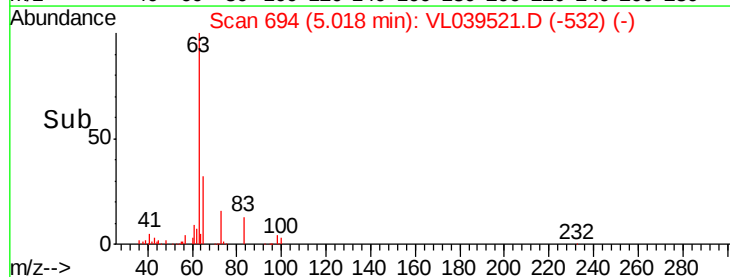
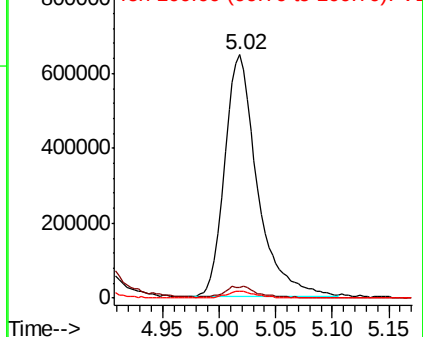
Acq: 25 Jul 2022 15:15

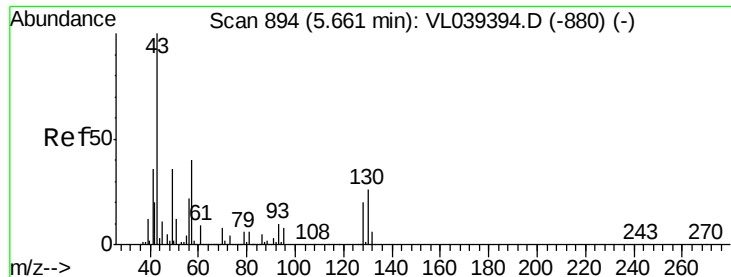
Tgt Ion: 63 Resp: 1311911

Ion	Ratio	Lower	Upper
63	100		
98	4.1	1.8	5.3
100	2.8	1.5	4.4



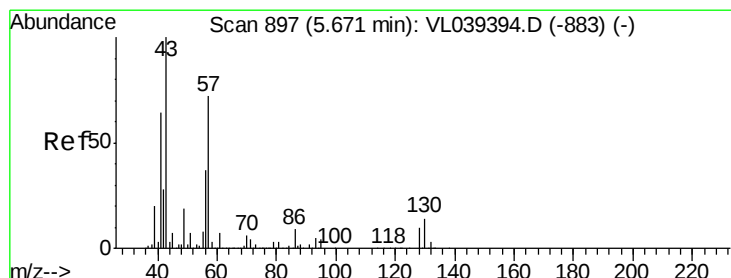
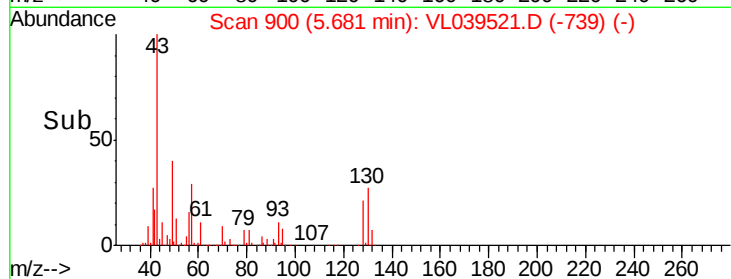
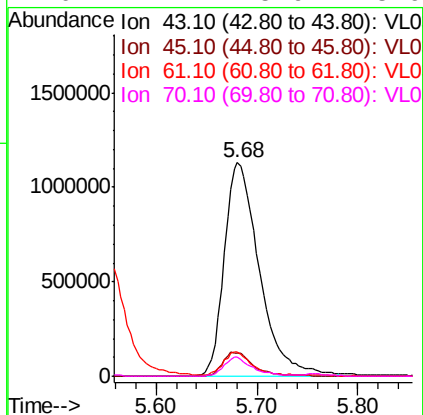
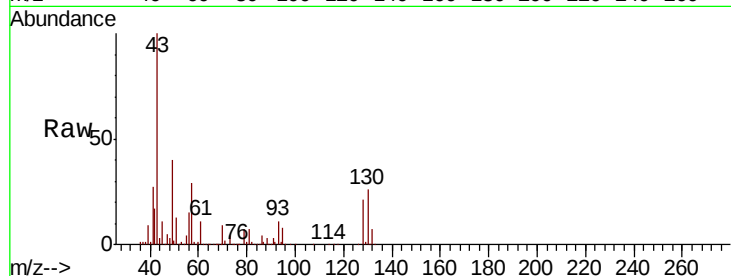
Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 98.00 (97.70 to 98.70): VL0
 Ion 100.00 (99.70 to 100.70): VL0





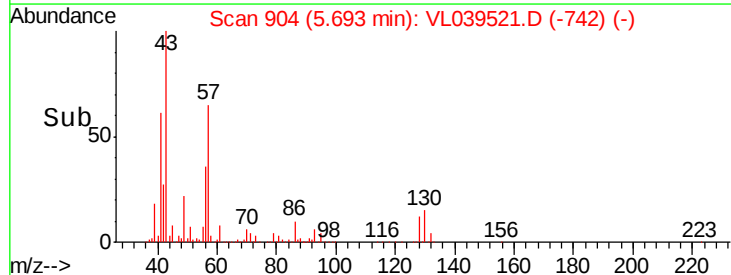
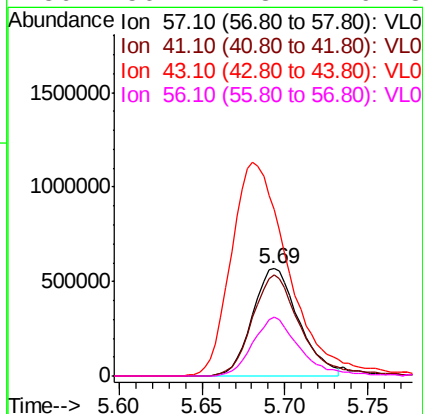
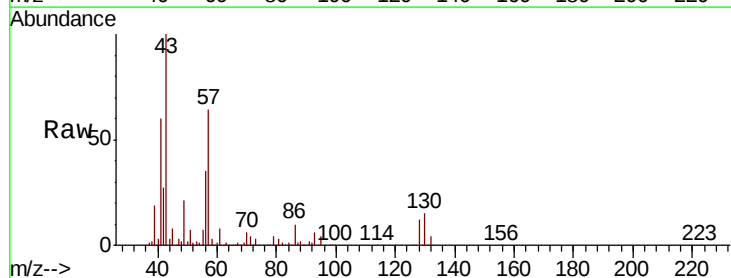
#25
Ethyl Acetate
Concen: 10.644 ppbv
RT: 5.68 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0725ABS01
Acq: 25 Jul 2022 15:15

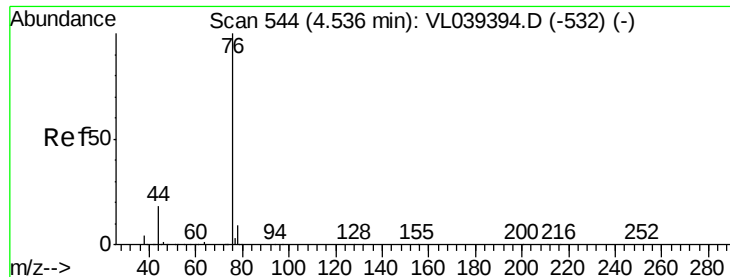
Tot Ion:	43	Resp:	2739659
Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.2	12.4
61	9.6	8.3	12.5
70	7.2	5.9	8.9



#26
Hexane
Concen: 10.681 ppbv
RT: 5.69 min Scan# 904
Delta R.T.: 0.02 min
Lab File: VL039521.D
Acq: 25 Jul 2022 15:15

Tgt Ion:	57	Resp:	1108164
Ion	Ratio	Lower	Upper
57	100		
41	99.7	76.9	115.3
43	249.9	191.0	286.6
56	56.2	43.2	64.8





#27

Carbon Disulfide

Concen: 11.370 ppbv

RT: 4.56 Instrument: MSVOA_1

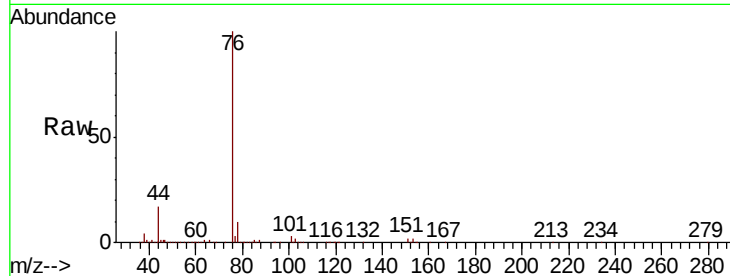
Delta R.T.

Lab File: ClientSampleId:

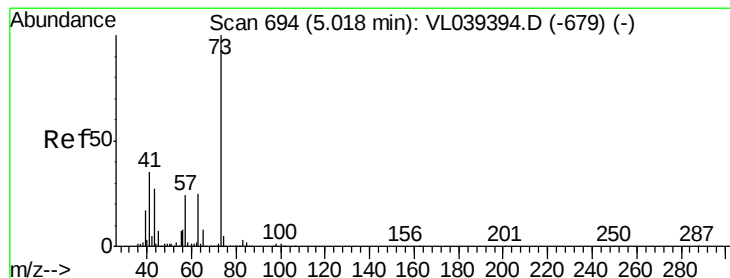
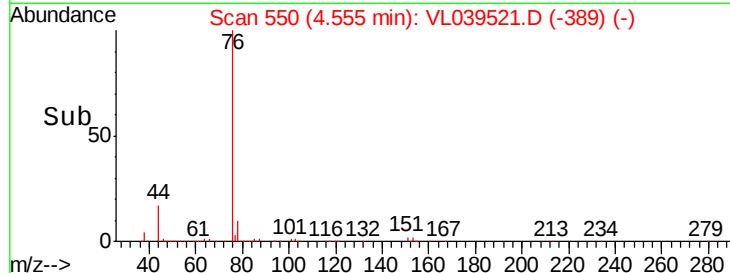
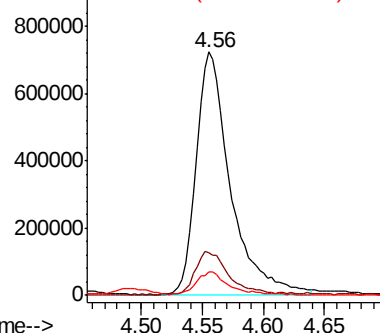
Acq: 25 Jul 2022 15:15

Tot Ion: 76 Resp: 1423817

Ion	Ratio	Lower	Upper
76	100		
44	18.2	14.6	21.8
78	9.9	7.8	11.6



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



#28

Methyl tert-Butyl Ether

Concen: 11.394 ppbv

RT: 5.04 min Scan# 700

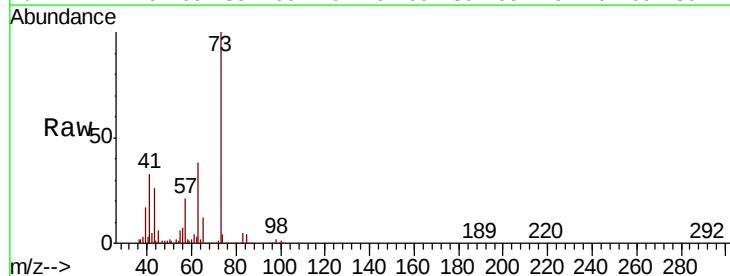
Delta R.T. 0.02 min

Lab File: VL039521.D

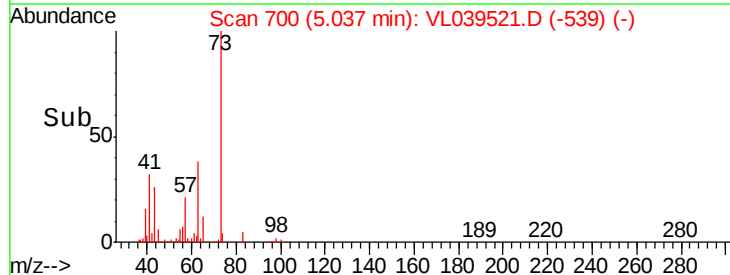
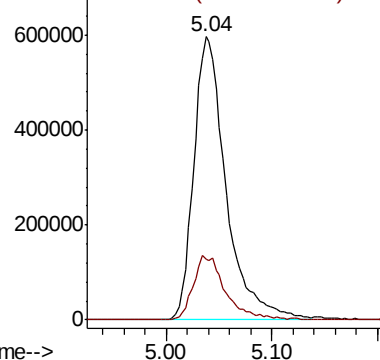
Acq: 25 Jul 2022 15:15

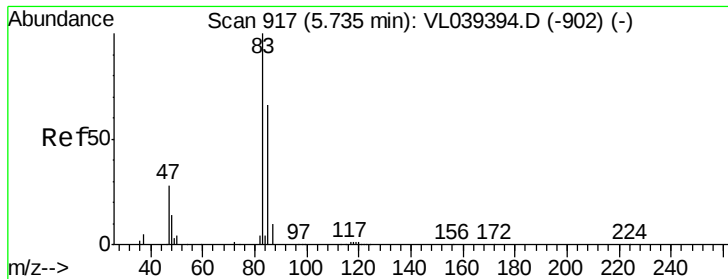
Tgt Ion: 73 Resp: 1263967

Ion	Ratio	Lower	Upper
73	100		
57	23.0	19.8	29.8



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





#29

Chloroform

Concen: 10.403 ppbv

RT: 5.76 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

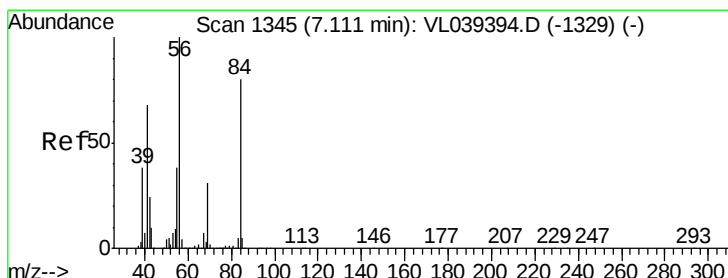
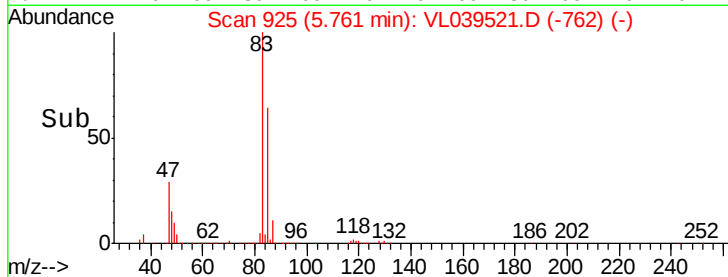
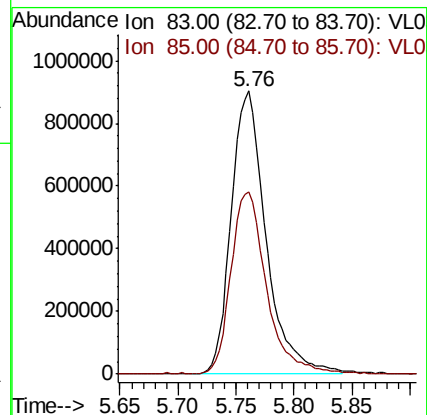
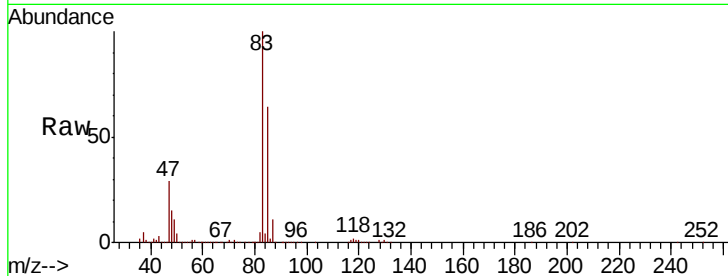
Acq: 25 Jul 2022 15:15 VL0725ABS01

Tot Ion: 83 Resp: 1876754

Ion Ratio Lower Upper

83 100

85 64.1 52.8 79.2



#30

Cyclohexane

Concen: 10.470 ppbv

RT: 7.14 min Scan# 1354

Delta R.T. 0.03 min

Lab File: VL039521.D

Acq: 25 Jul 2022 15:15

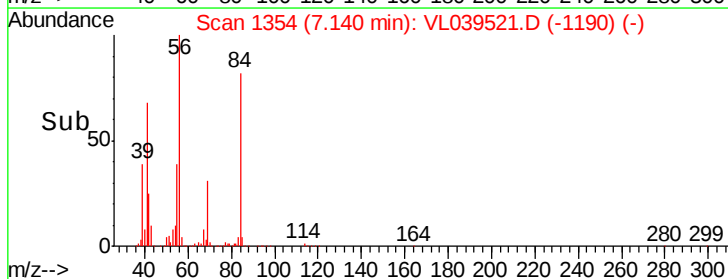
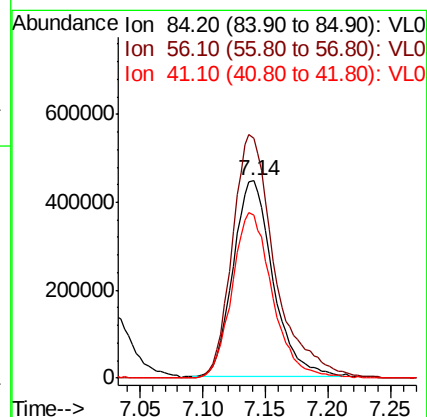
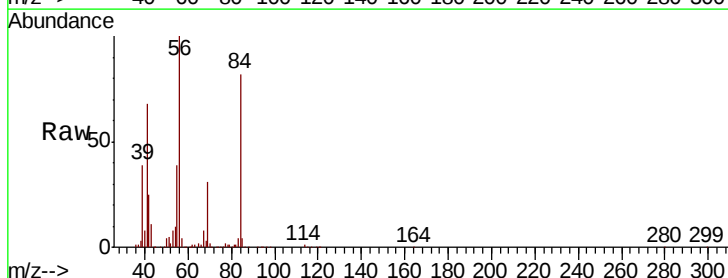
Tgt Ion: 84 Resp: 988968

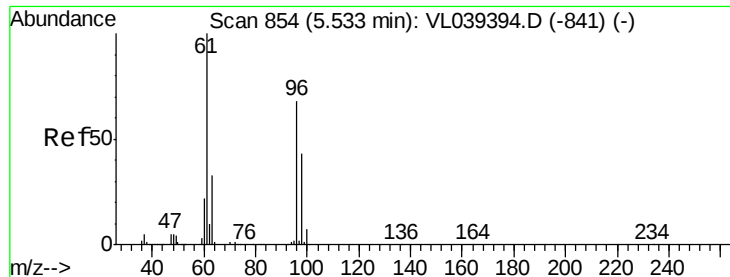
Ion Ratio Lower Upper

84 100

56 132.9 107.7 161.5

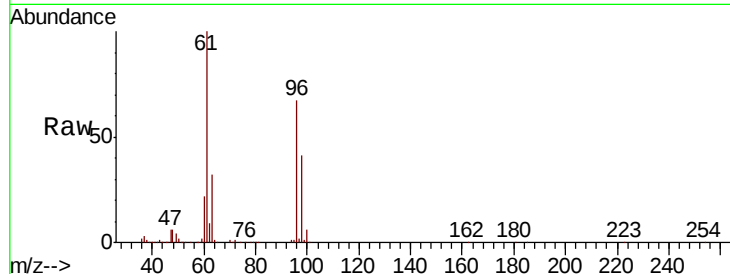
41 85.9 67.7 101.5



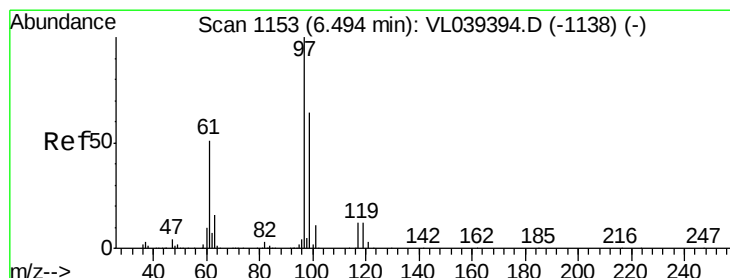
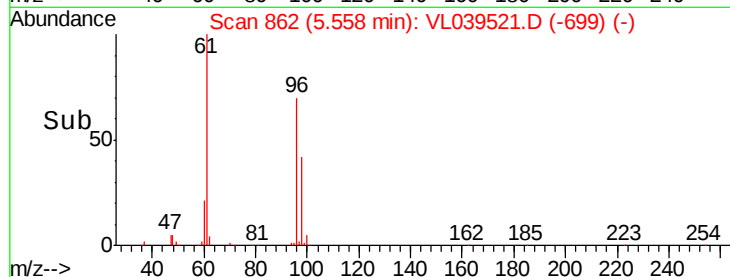
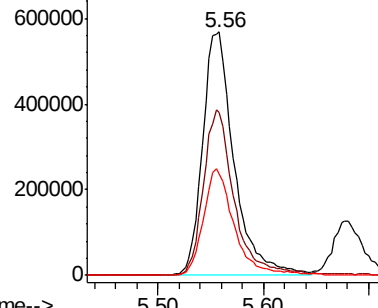


#31
 cis-1,2-Dichloroethene
 Concen: 10.694 ppbv
 RT: 5.56
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0725ABS01
 Acq: 25 Jul 2022 15:15

Tot Ion: 61 Resp: 1177233
 Ion Ratio Lower Upper
 61 100
 96 66.6 54.1 81.1
 98 41.3 34.6 52.0

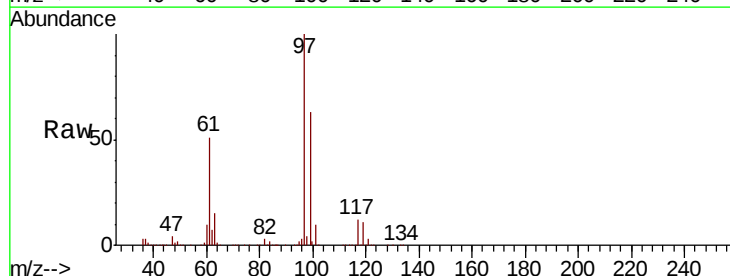


Abundance Ion 61.10 (60.80 to 61.80): VL0
 Ion 96.00 (95.70 to 96.70): VL0
 Ion 98.00 (97.70 to 98.70): VL0

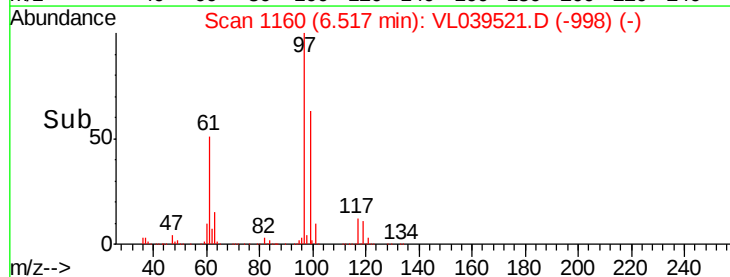
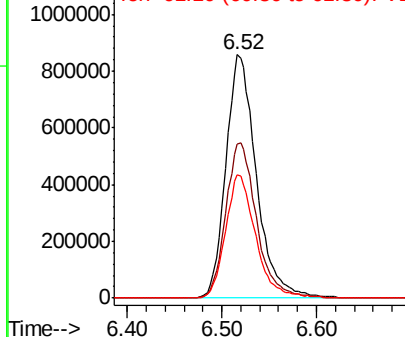


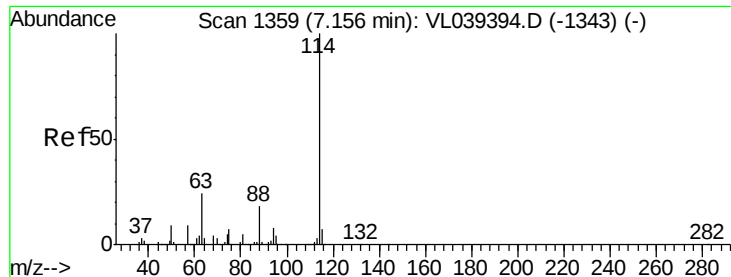
#32
 1,1,1-Trichloroethane
 Concen: 10.803 ppbv
 RT: 6.52 min Scan# 1160
 Delta R.T. 0.02 min
 Lab File: VL039521.D
 Acq: 25 Jul 2022 15:15

Tgt Ion: 97 Resp: 1923765
 Ion Ratio Lower Upper
 97 100
 99 64.5 52.3 78.5
 61 49.9 40.9 61.3



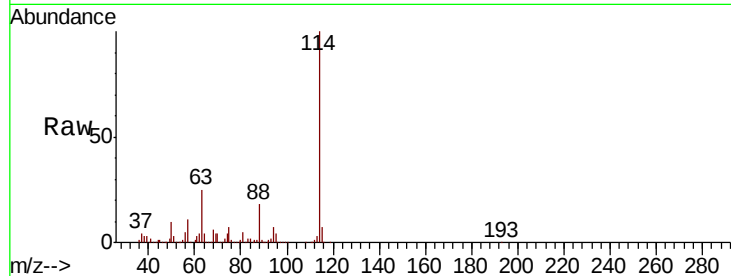
Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0
 Ion 61.10 (60.80 to 61.80): VL0



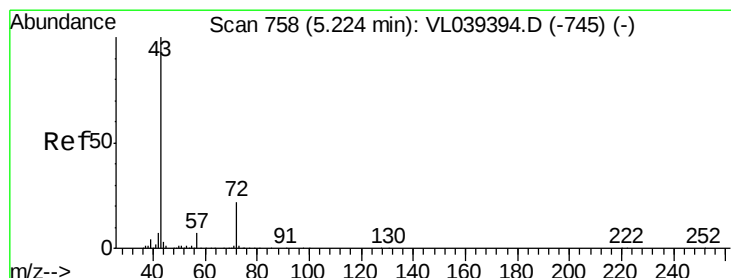
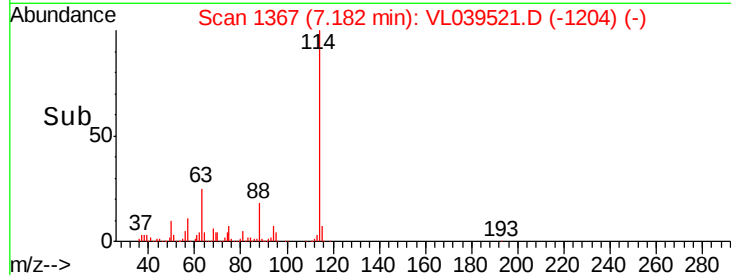
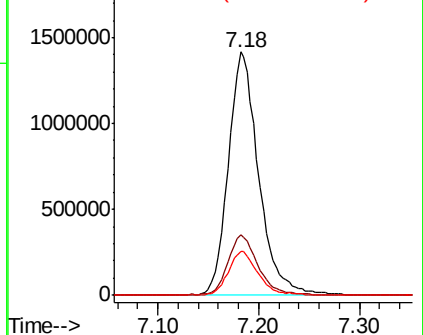


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VL0725ABS01
 Acq: 25 Jul 2022 15:15

Tot Ion:114 Resp: 2968559
 Ion Ratio Lower Upper
 114 100
 63 25.2 20.2 30.4
 88 18.0 14.5 21.7

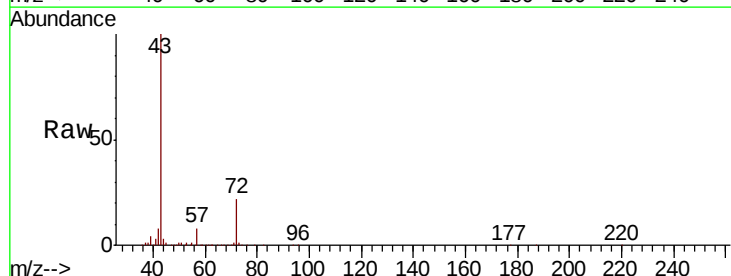


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

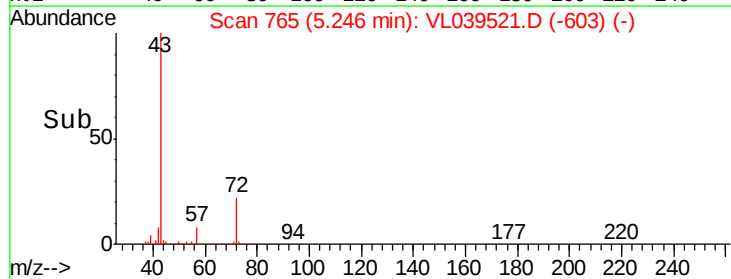
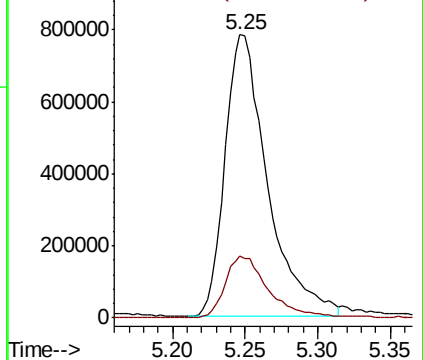


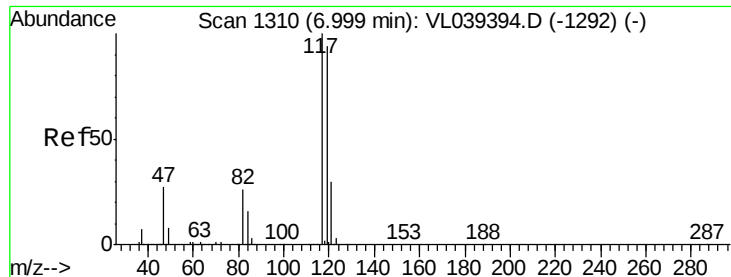
#34
 2-Butanone
 Concen: 10.720 ppbv
 RT: 5.25 min Scan# 765
 Delta R.T.: 0.02 min
 Lab File: VL039521.D
 Acq: 25 Jul 2022 15:15

Tgt Ion: 43 Resp: 1601955
 Ion Ratio Lower Upper
 43 100
 72 23.0 17.9 26.9



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





#35

Carbon Tetrachloride

Concen: 11.142 ppbv

RT: 7.02

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VL0725ABS01

Acq: 25 Jul 2022 15:15

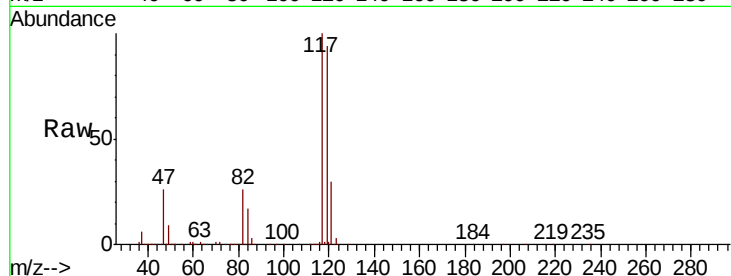
Tot Ion:117 Resp: 2043835

Ion Ratio Lower Upper

117 100

119 93.8 75.4 113.2

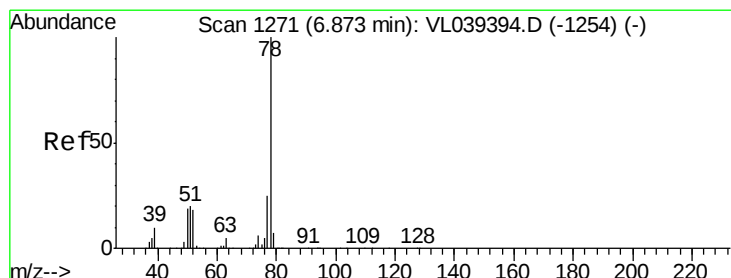
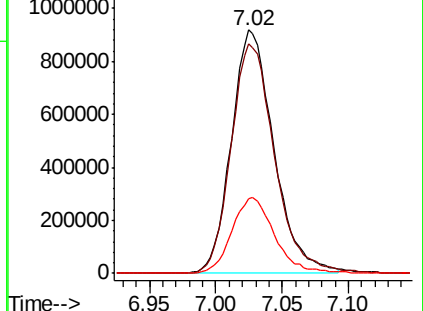
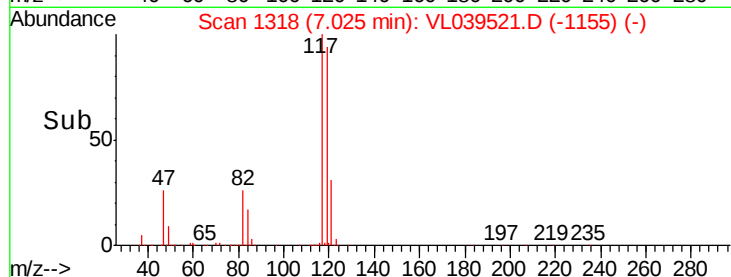
121 30.4 24.2 36.2



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: 10.488 ppbv

RT: 6.90 min Scan# 1279

Delta R.T. 0.03 min

Lab File: VL039521.D

Acq: 25 Jul 2022 15:15

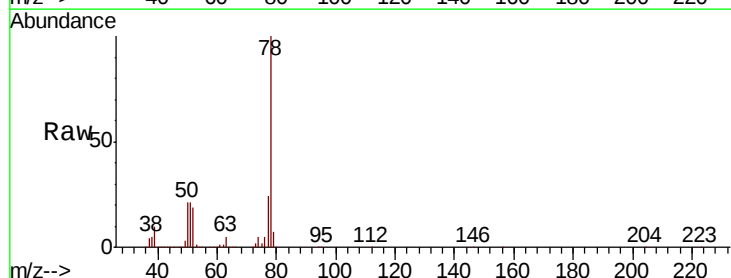
Tgt Ion: 78 Resp: 2409767

Ion Ratio Lower Upper

78 100

77 23.9 20.3 30.5

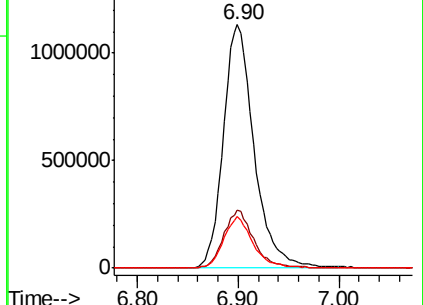
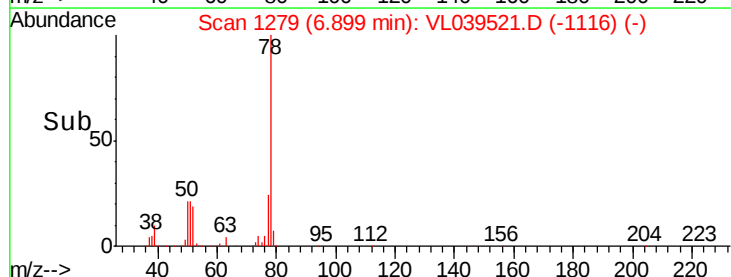
50 21.1 15.5 23.3

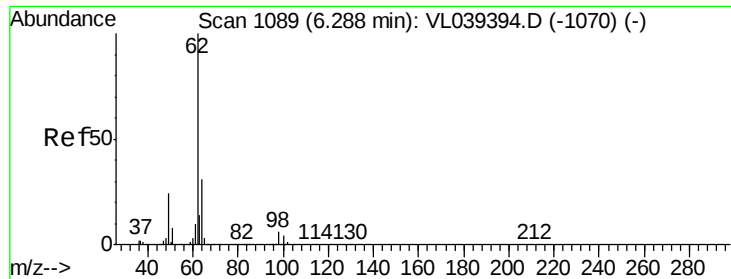


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

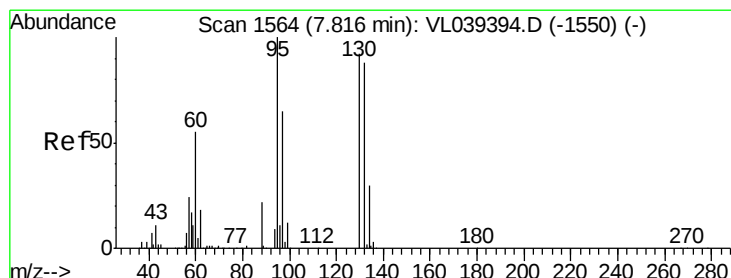
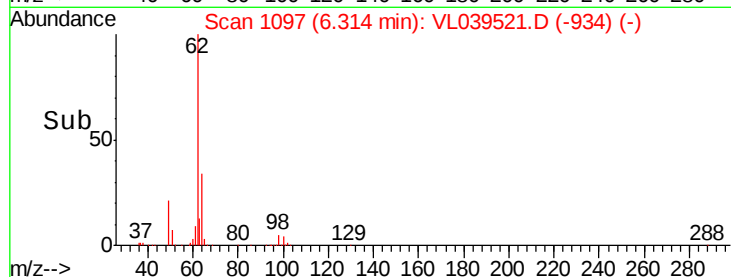
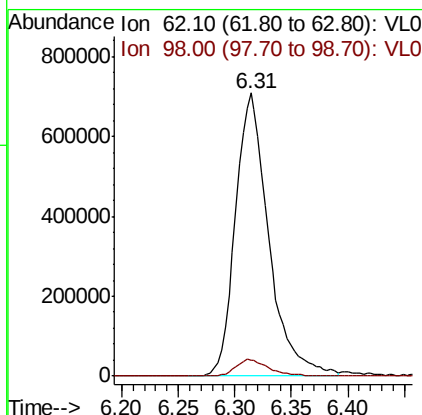
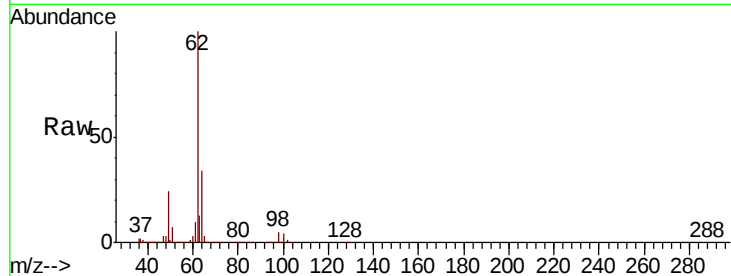
Ion 50.10 (49.80 to 50.80): VL0





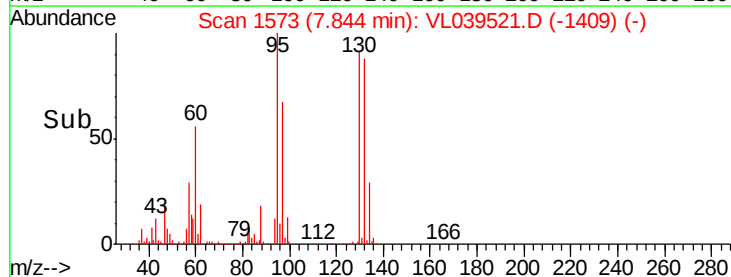
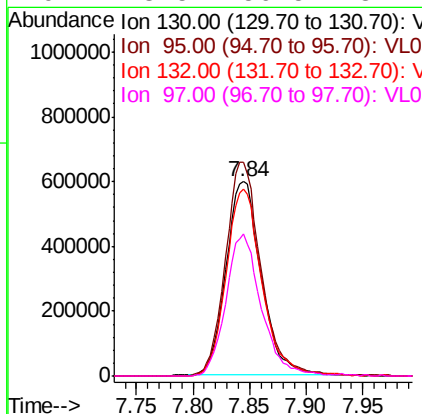
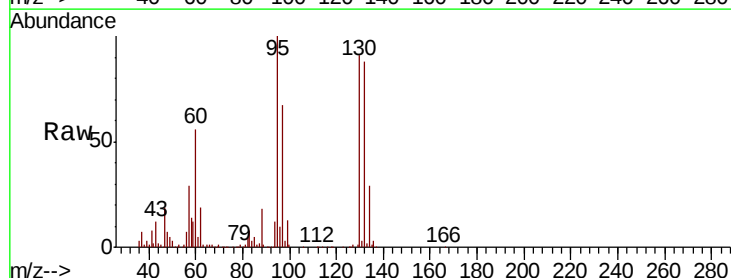
#37
 1,2-Dichloroethane
 Concen: 10.742 ppbv
 RT: 6.31 min
 Delta R.T.: 0.03 min
 Lab File: VL0725ABS01
 Acq: 25 Jul 2022 15:15

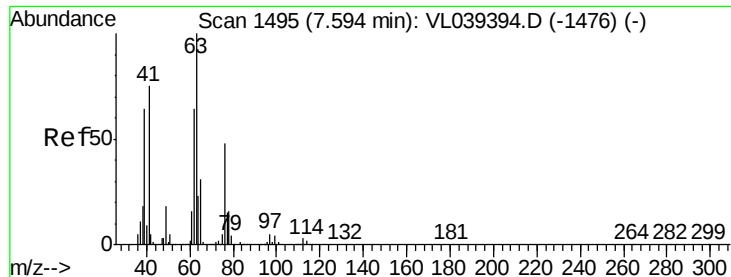
Tot Ion: 62 Resp: 1456665
 Ion Ratio Lower Upper
 62 100
 98 6.1 5.1 7.7



#38
 Trichloroethene
 Concen: 10.401 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T.: 0.03 min
 Lab File: VL039521.D
 Acq: 25 Jul 2022 15:15

Tgt Ion: 130 Resp: 1292471
 Ion Ratio Lower Upper
 130 100
 95 110.2 87.3 130.9
 132 96.5 76.7 115.1
 97 73.5 56.5 84.7





#39

1,2-Dichloropropane

Concen: 10.284 ppbv

RT: 7.62 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 25 Jul 2022 15:15 VL0725ABS01

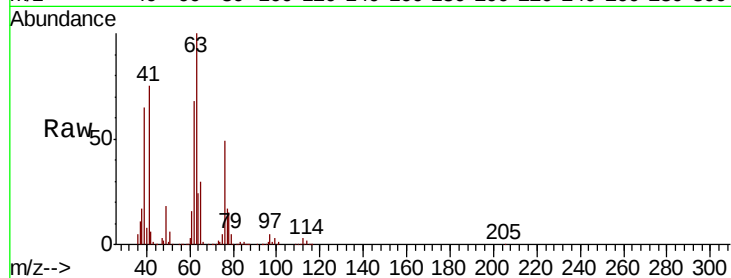
Tot Ion: 63 Resp: 882723

Ion Ratio Lower Upper

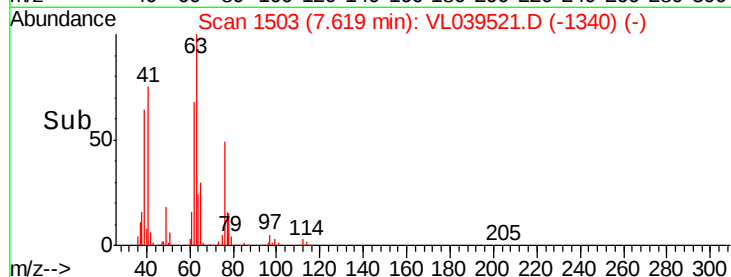
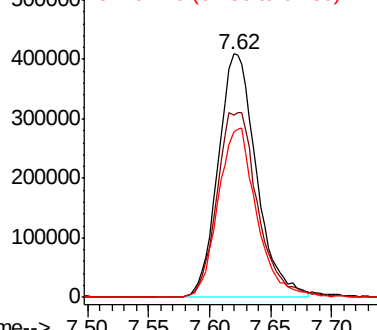
63 100

41 74.9 59.6 89.4

62 68.3 51.4 77.0



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: 9.488 ppbv

RT: 7.84 min Scan# 1571

Delta R.T. 0.03 min

Lab File: VL039521.D

Acq: 25 Jul 2022 15:15

Tgt Ion: 88 Resp: 324518

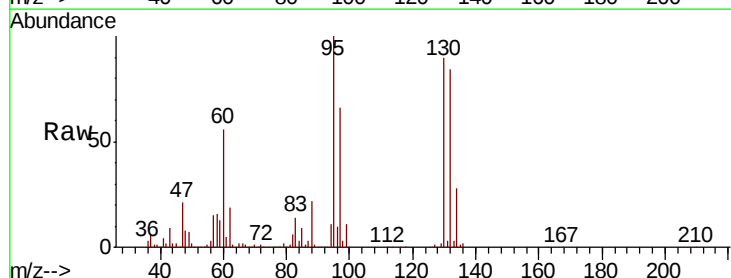
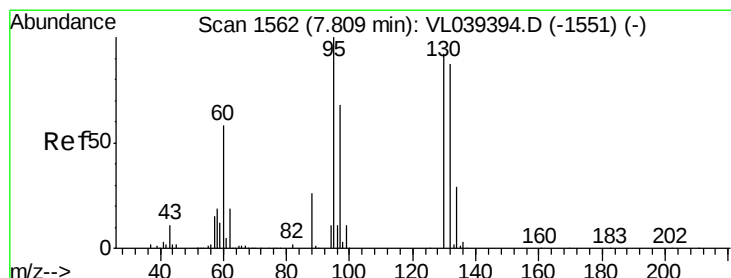
Ion Ratio Lower Upper

88 100

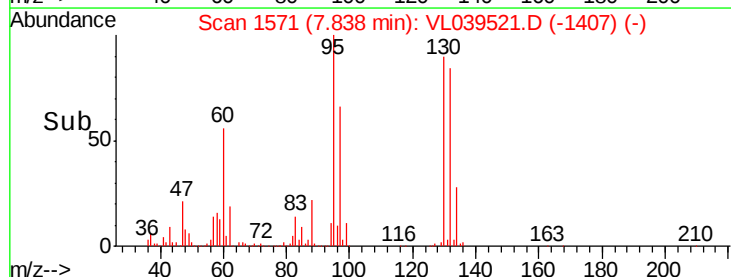
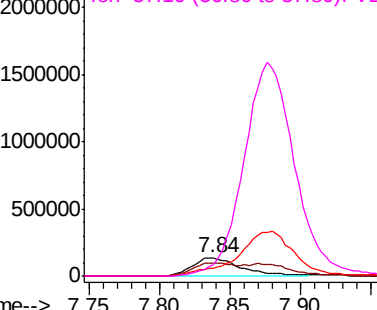
58 63.7 100.2 150.4#

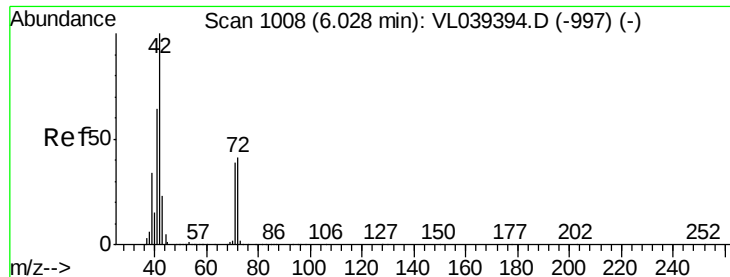
43 0.0 205.8 308.6#

57 0.0 879.1 1318.7#



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: 10.576 ppbv

RT: 6.05 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 25 Jul 2022 15:15 VL0725ABS01

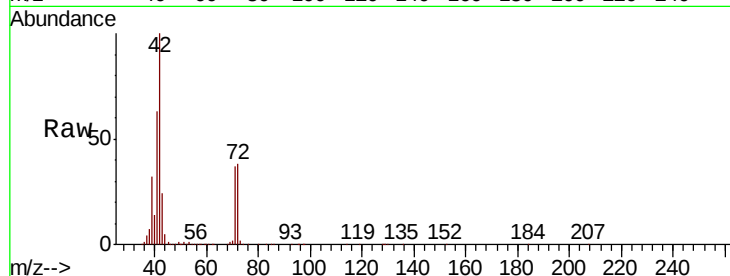
Tot Ion: 42 Resp: 915864

Ion Ratio Lower Upper

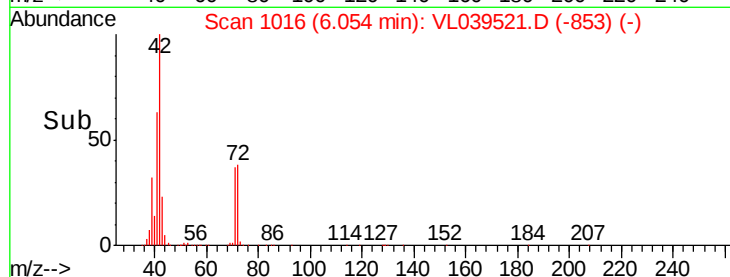
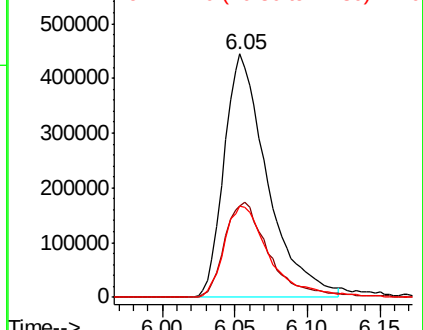
42 100

72 41.1 31.8 47.8

71 39.9 31.8 47.8



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: 11.102 ppbv

RT: 7.80 min Scan# 1559

Delta R.T. 0.03 min

Lab File: VL039521.D

Acq: 25 Jul 2022 15:15

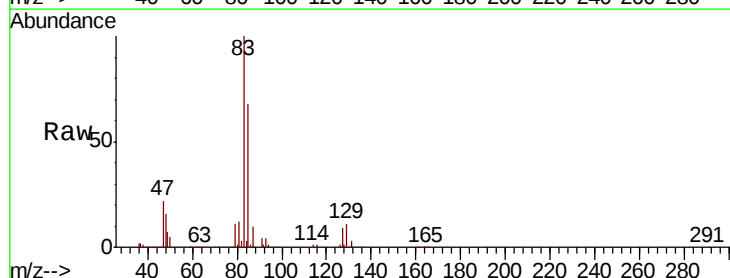
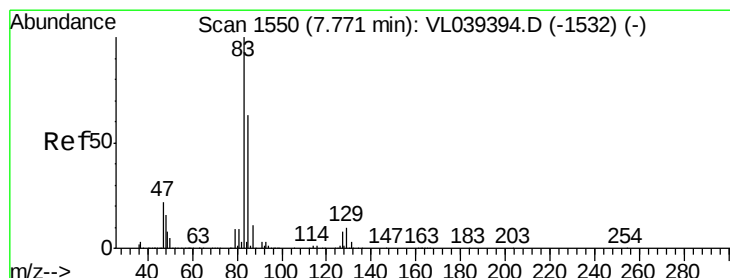
Tgt Ion: 83 Resp: 2030048

Ion Ratio Lower Upper

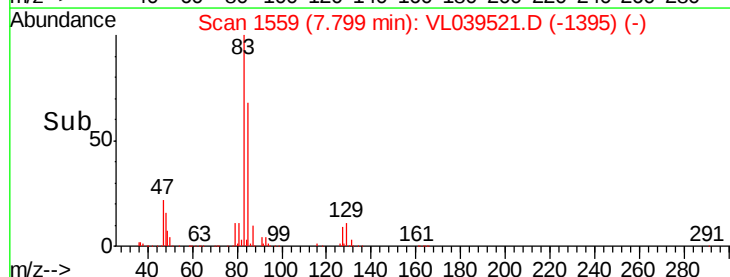
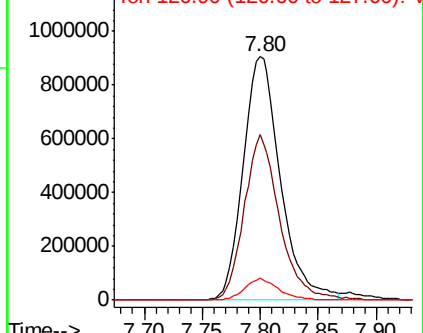
83 100

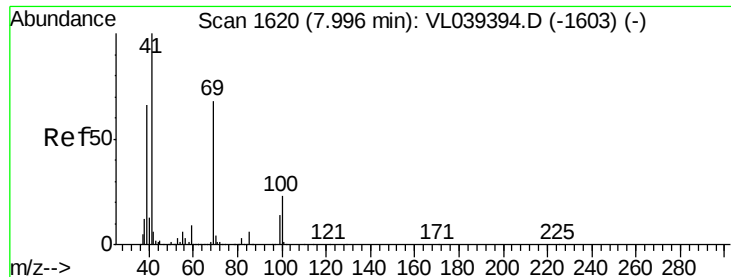
85 68.2 50.7 76.1

127 9.0 6.6 9.8



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: 11.272 ppbv

RT: 8.02

Instrument: MSVOA_1

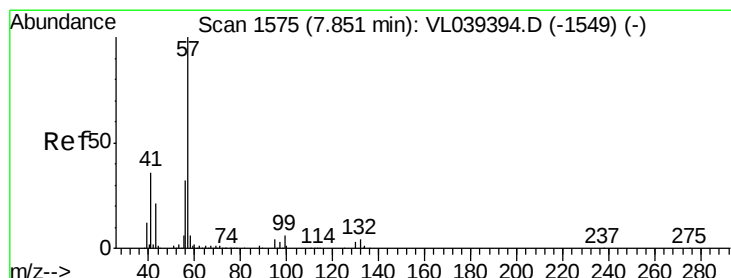
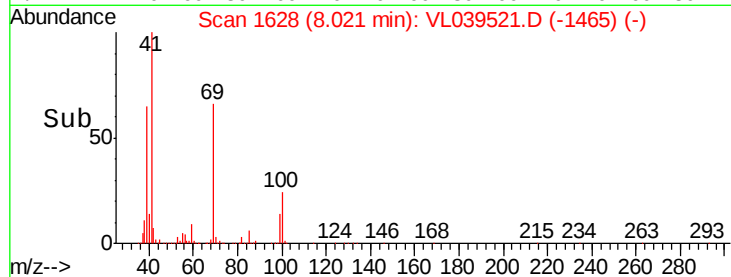
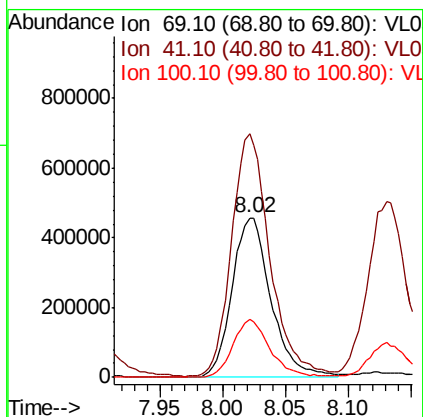
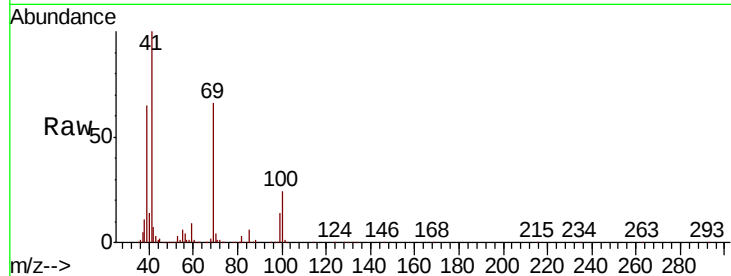
Delta R.T. ClientSampleId:

Lab File: VL0725ABS01

Acq: 25 Jul 2022 15:15

Tot Ion: 69 Resp: 984692

Ion	Ratio	Lower	Upper
69	100		
41	151.3	120.8	181.2
100	34.8	27.8	41.6



#44

2,2,4-Trimethylpentane

Concen: 10.323 ppbv

RT: 7.88 min Scan# 1583

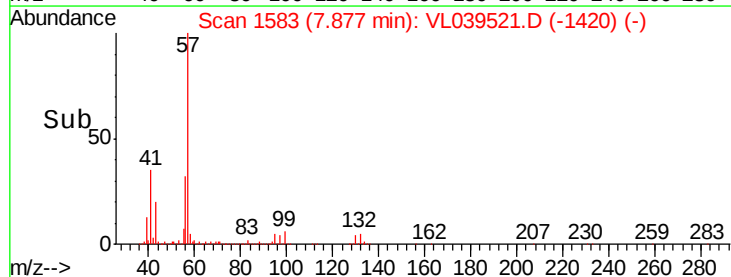
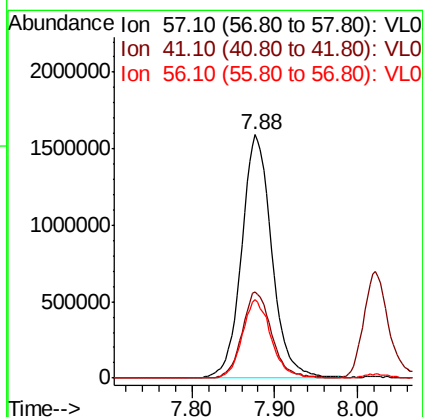
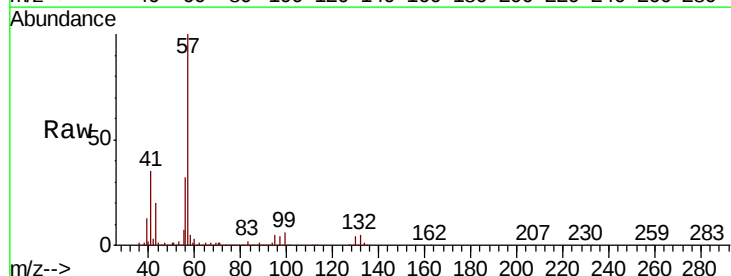
Delta R.T. 0.03 min

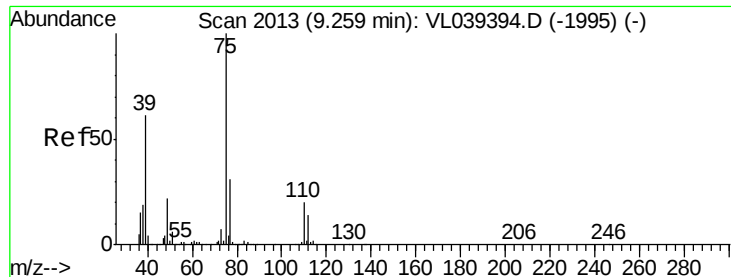
Lab File: VL039521.D

Acq: 25 Jul 2022 15:15

Tgt Ion: 57 Resp: 4019239

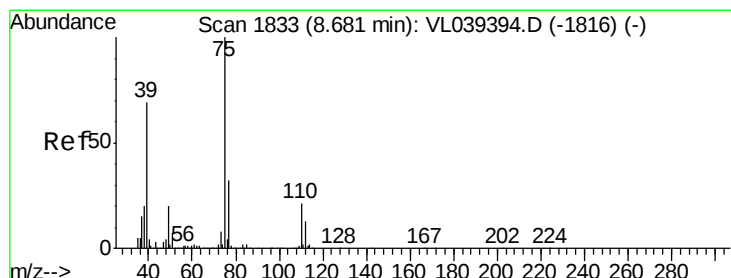
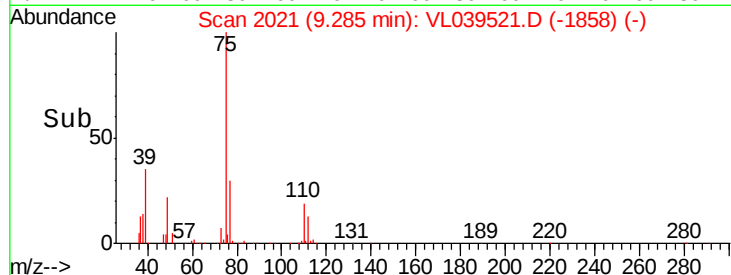
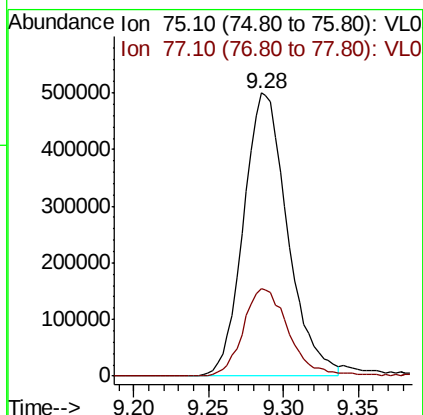
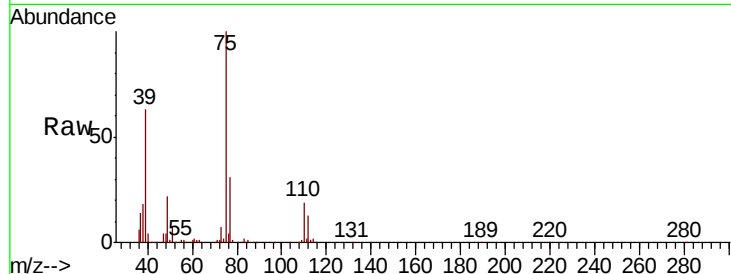
Ion	Ratio	Lower	Upper
57	100		
41	34.5	27.4	41.2
56	31.0	24.5	36.7





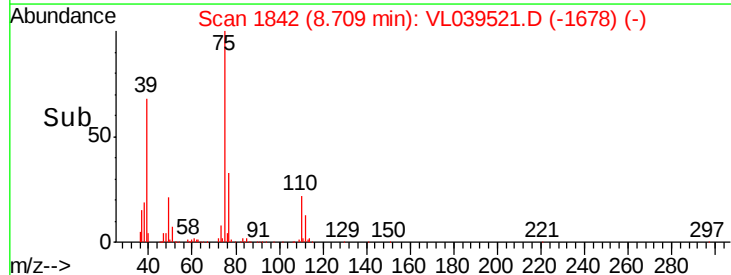
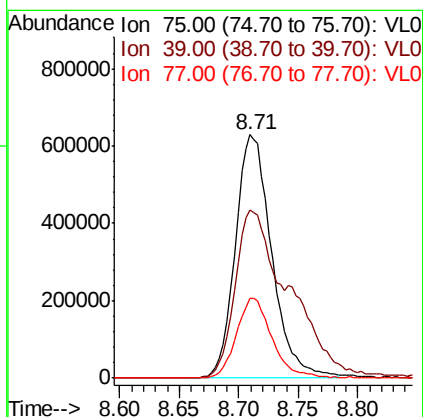
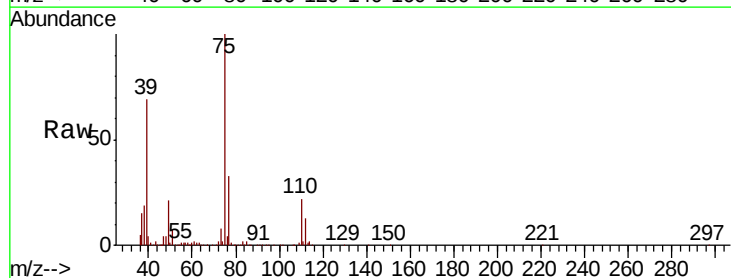
#45
 t-1,3-Dichloropropene
 Concen: 13.148 ppbv
 RT: 9.28
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0725ABS01
 Acq: 25 Jul 2022 15:15

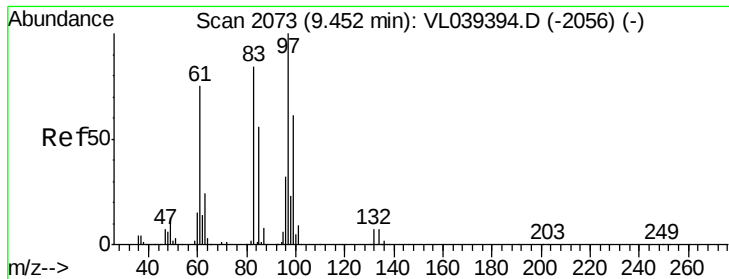
Tot Ion: 75 Resp: 1022705
 Ion Ratio Lower Upper
 75 100
 77 30.9 24.6 36.8



#46
 cis-1,3-Dichloropropene
 Concen: 12.425 ppbv
 RT: 8.71 min Scan# 1842
 Delta R.T. 0.03 min
 Lab File: VL039521.D
 Acq: 25 Jul 2022 15:15

Tgt Ion: 75 Resp: 1330191
 Ion Ratio Lower Upper
 75 100
 39 69.0 55.0 82.4
 77 32.7 25.7 38.5

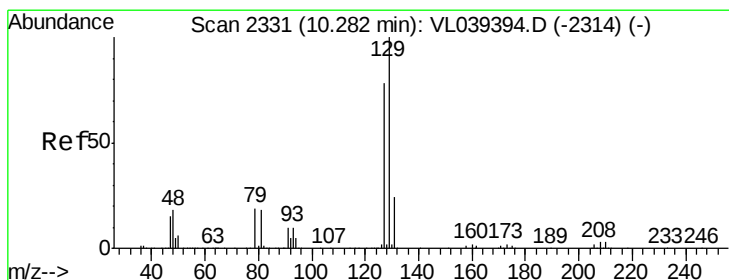
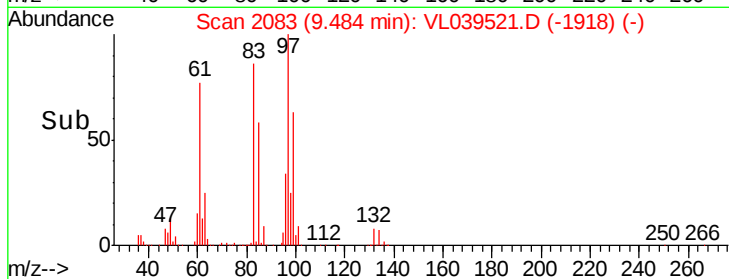
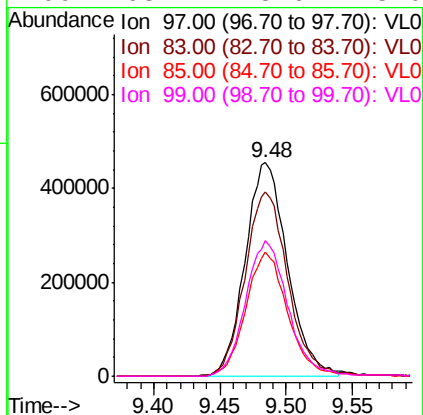
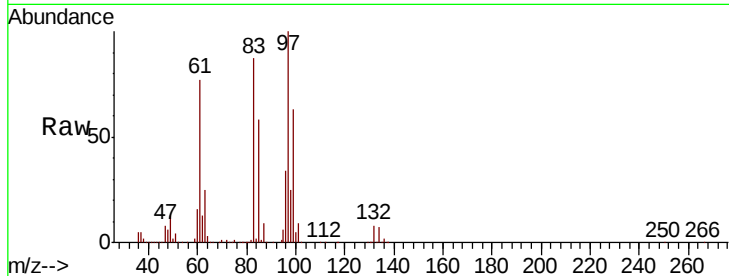




#47
 1,1,2-Trichloroethane
 Concen: 10.512 ppbv
 RT: 9.48
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VL0725ABS01
 Acq: 25 Jul 2022 15:15

Tot Ion: 97 Resp: 1012374

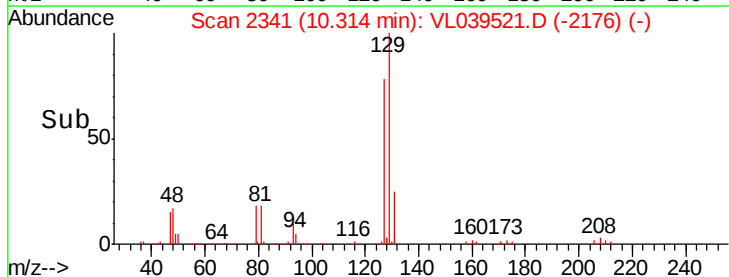
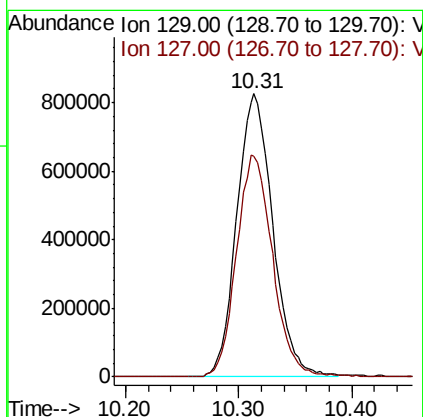
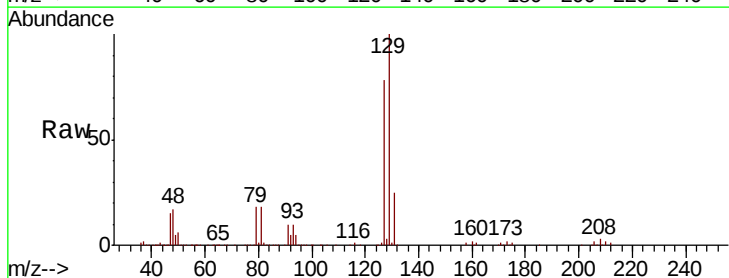
Ion	Ratio	Lower	Upper
97	100		
83	86.5	67.4	101.0
85	58.1	45.1	67.7
99	63.4	48.6	73.0

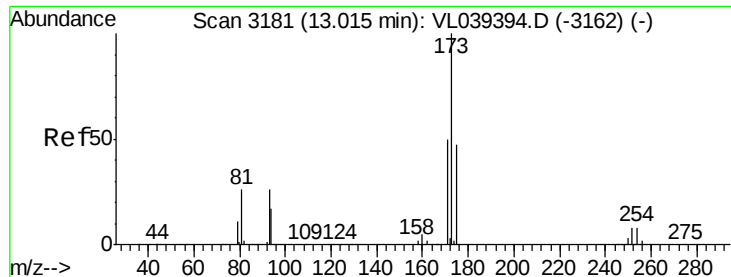


#48
 Dibromochloromethane
 Concen: 11.982 ppbv
 RT: 10.31 min Scan# 2341
 Delta R.T.: 0.03 min
 Lab File: VL039521.D
 Acq: 25 Jul 2022 15:15

Tgt Ion: 129 Resp: 1834116

Ion	Ratio	Lower	Upper
129	100		
127	78.9	39.3	117.9





#49

Bromoform

Concen: 12.622 ppbv

RT: 13.05

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 25 Jul 2022 15:15

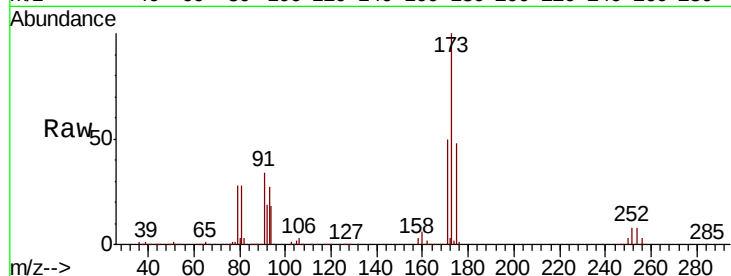
Tot Ion:173 Resp: 1558619

Ion Ratio Lower Upper

173 100

175 49.8 40.3 60.5

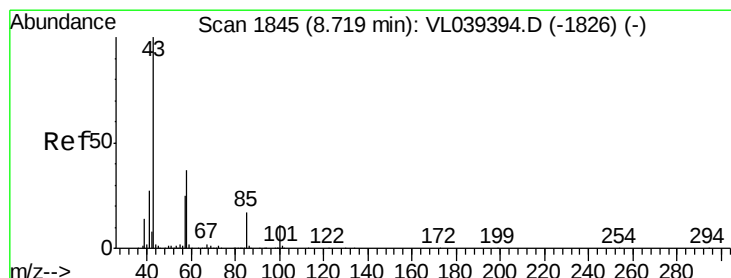
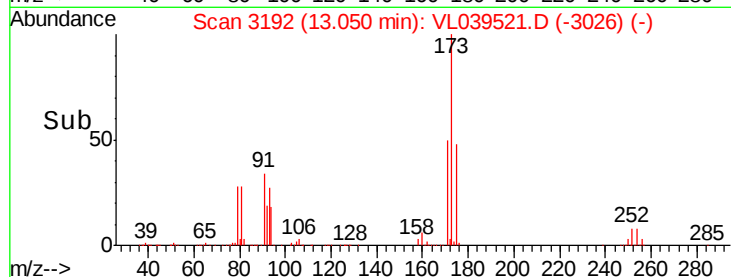
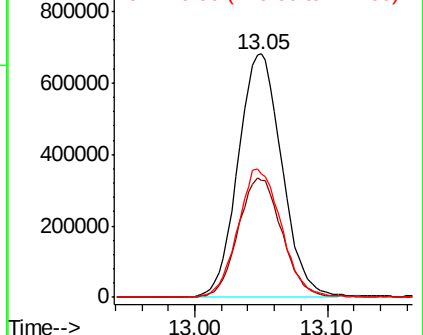
171 53.1 42.9 64.3



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 11.298 ppbv

RT: 8.75 min Scan# 1854

Delta R.T. 0.03 min

Lab File: VL039521.D

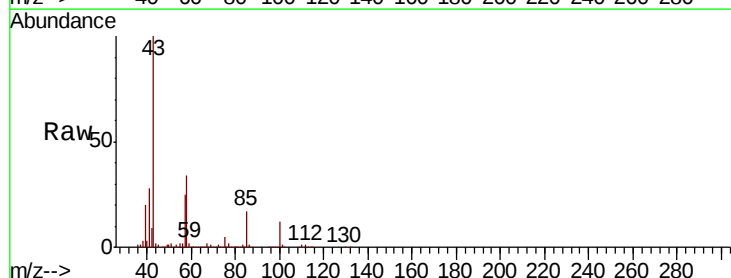
Acq: 25 Jul 2022 15:15

Tgt Ion: 43 Resp: 2552837

Ion Ratio Lower Upper

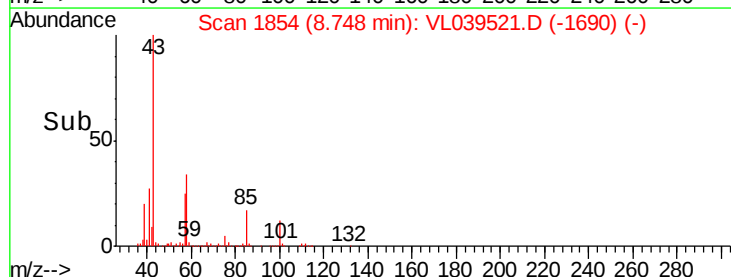
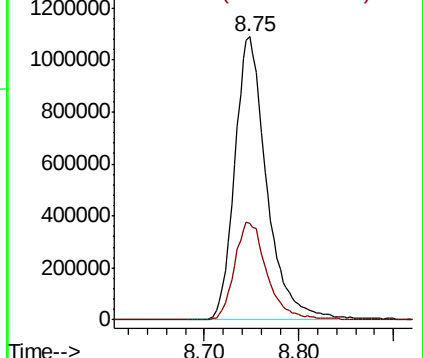
43 100

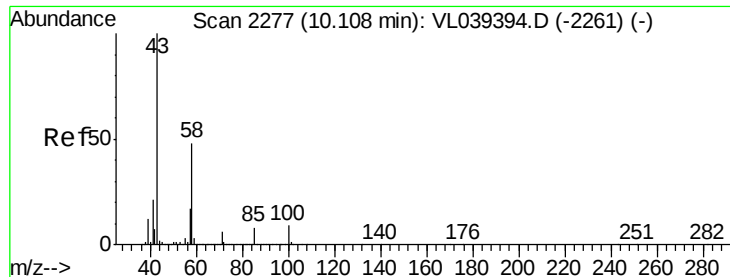
58 35.5 28.8 43.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

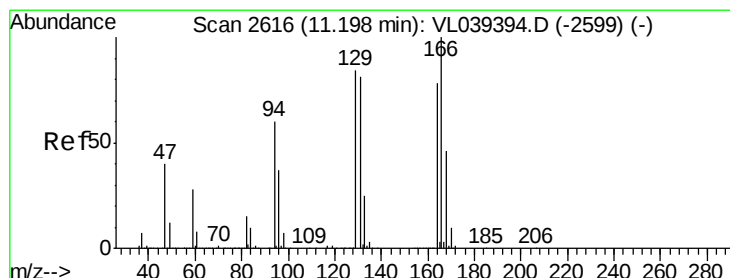
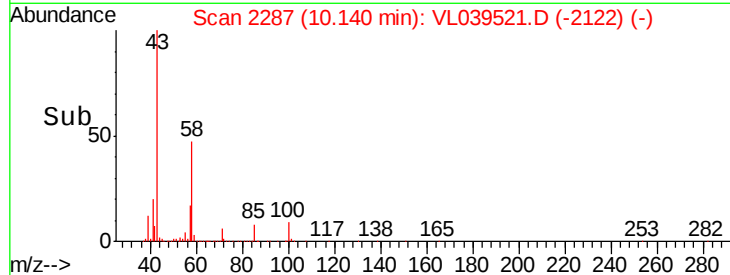
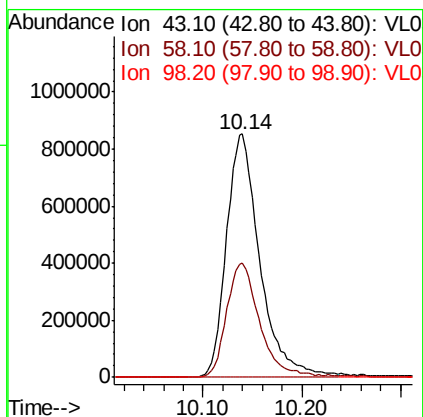
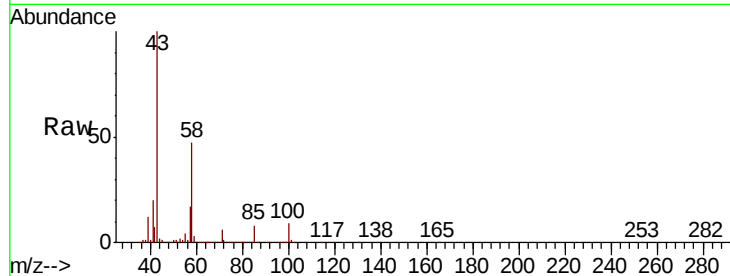




#51
2-Hexanone
Concen: 11.813 ppbv
RT: 10.14 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VL0725ABS01
Acq: 25 Jul 2022 15:15

Tot Ion: 43 Resp: 2018988

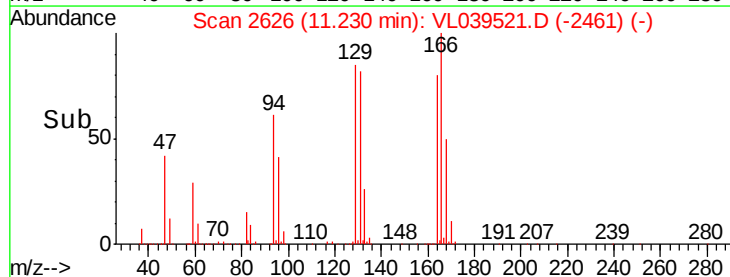
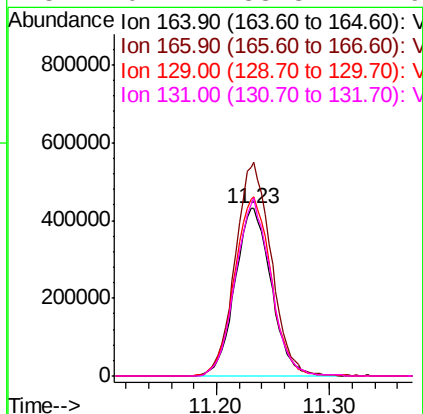
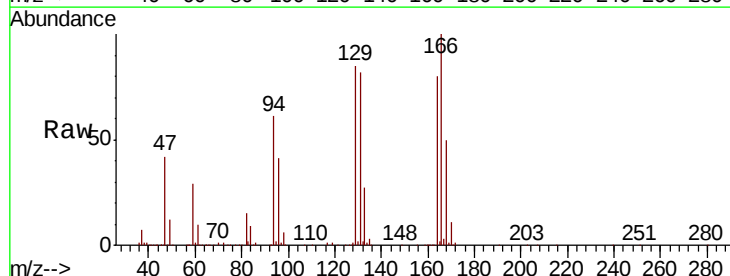
Ion	Ratio	Lower	Upper
43	100		
58	47.2	38.4	57.6
98	0.4	0.3	0.5

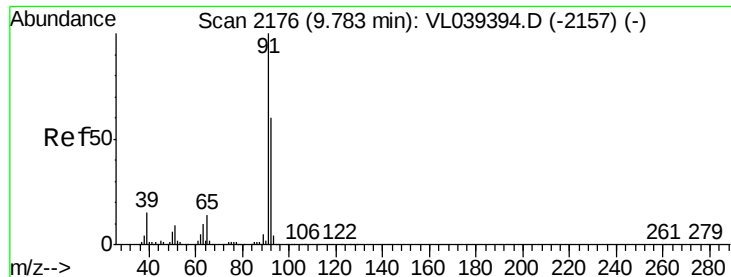


#52
Tetrachloroethene
Concen: 10.370 ppbv
RT: 11.23 min Scan# 2626
Delta R.T. 0.03 min
Lab File: VL039521.D
Acq: 25 Jul 2022 15:15

Tgt Ion: 164 Resp: 959149

Ion	Ratio	Lower	Upper
164	100		
166	124.5	102.2	153.2
129	105.6	85.8	128.8
131	102.1	83.3	124.9





#53

Toluene

Concen: 11.072 ppbv

RT: 9.82 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

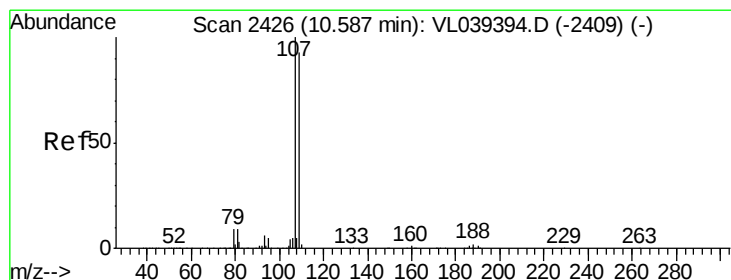
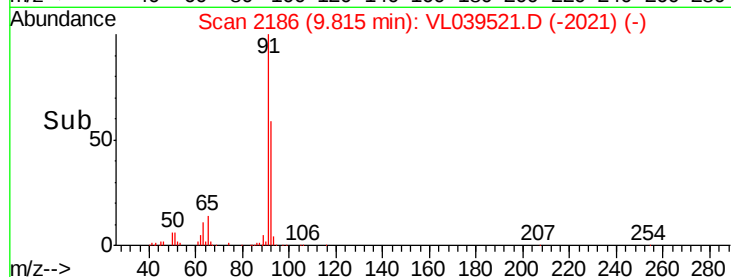
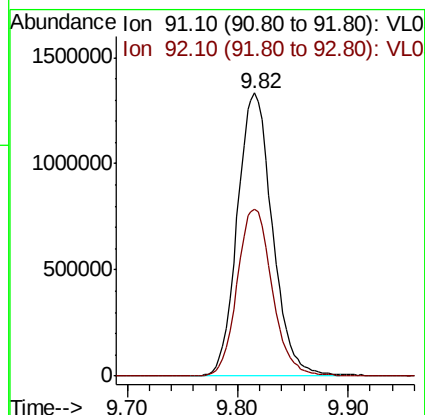
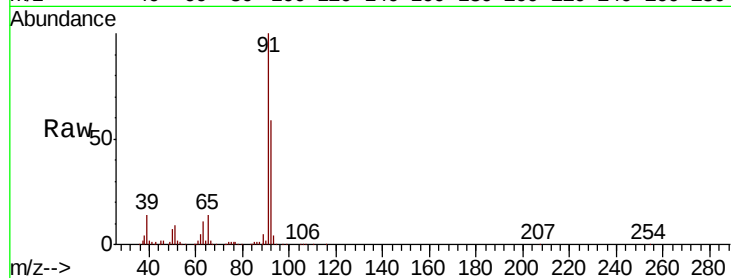
Acq: 25 Jul 2022 15:15 VL0725ABS01

Tot Ion: 91 Resp: 2934345

Ion Ratio Lower Upper

91 100

92 59.5 48.2 72.2



#54

1,2-Dibromoethane

Concen: 11.276 ppbv

RT: 10.62 min Scan# 2436

Delta R.T. 0.03 min

Lab File: VL039521.D

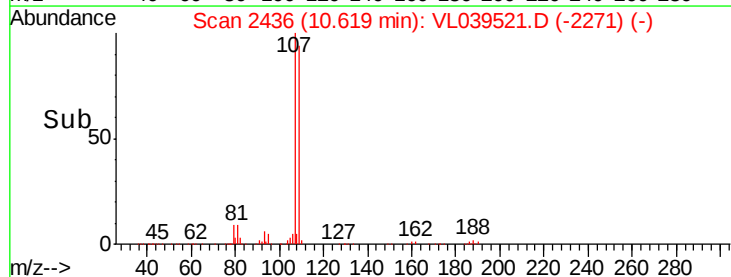
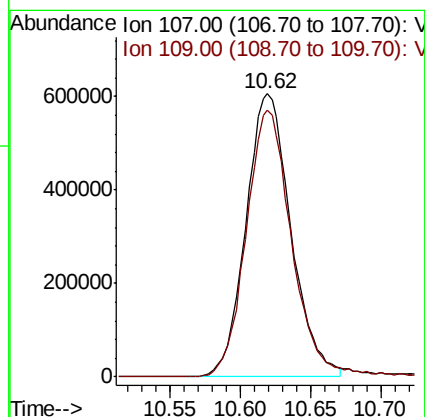
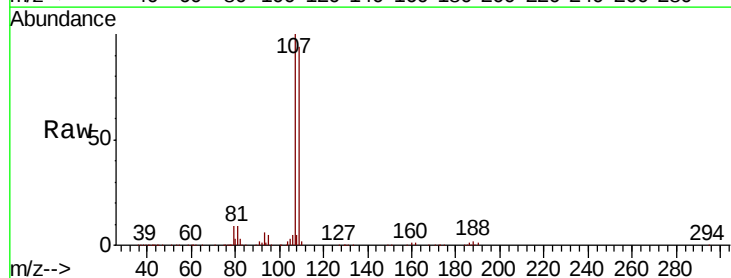
Acq: 25 Jul 2022 15:15

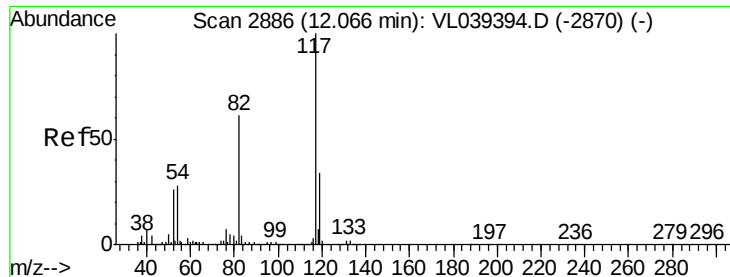
Tgt Ion: 107 Resp: 1351230

Ion Ratio Lower Upper

107 100

109 94.0 74.8 112.2

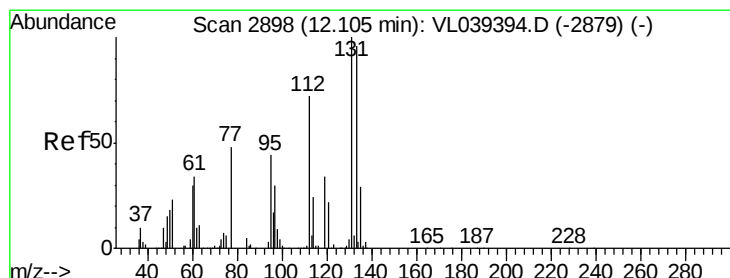
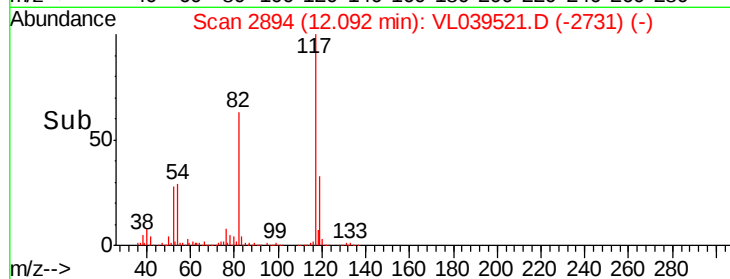
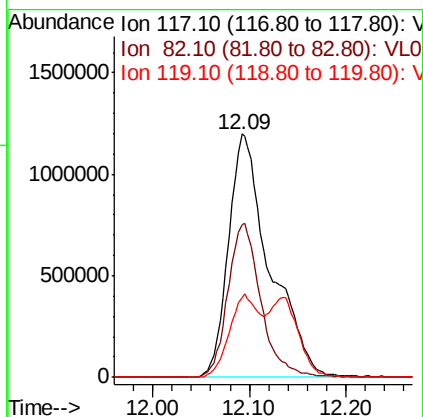
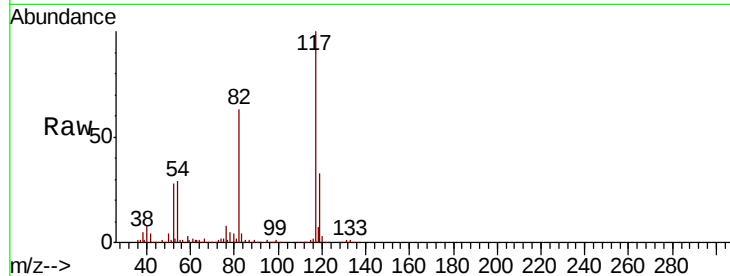




#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.09 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VL0725ABS01
 Acq: 25 Jul 2022 15:15

Tot Ion:117 Resp: 3555498

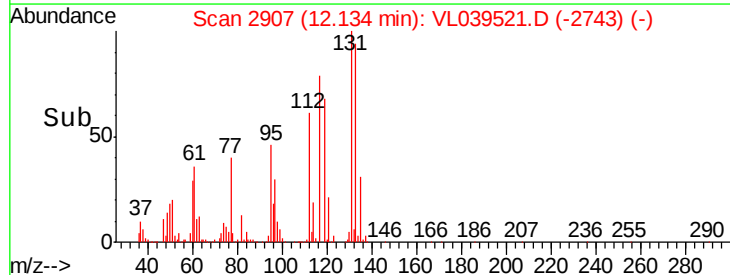
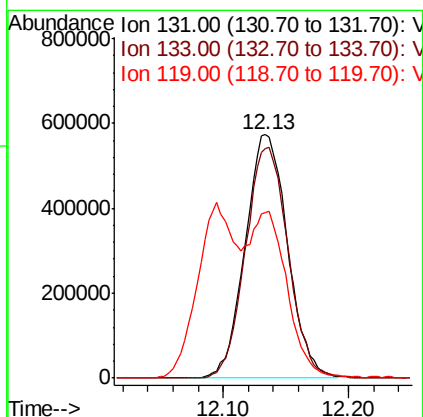
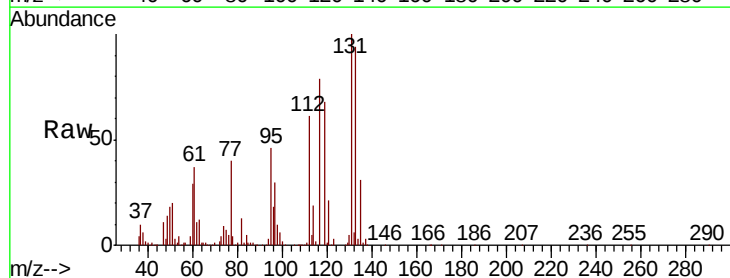
Ion	Ratio	Lower	Upper
117	100		
82	50.8	50.8	76.2
119	26.4	24.1	36.1

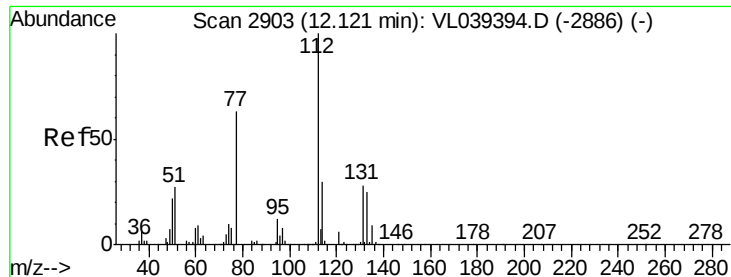


#56
 1,1,1,2-Tetrachloroethane
 Concen: 8.567 ppbv
 RT: 12.13 min Scan# 2907
 Delta R.T.: 0.03 min
 Lab File: VL039521.D
 Acq: 25 Jul 2022 15:15

Tgt Ion:131 Resp: 1345533

Ion	Ratio	Lower	Upper
131	100		
133	96.1	76.8	115.2
119	67.3	46.2	69.4





#57

Chlorobenzene

Concen: 8.269 ppbv

RT: 12.16

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VL0725ABS01

Acq: 25 Jul 2022 15:15

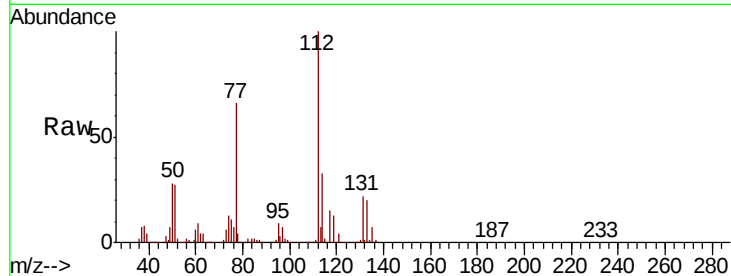
Tot Ion:112 Resp: 2279452

Ion Ratio Lower Upper

112 100

77 65.0 51.0 76.4

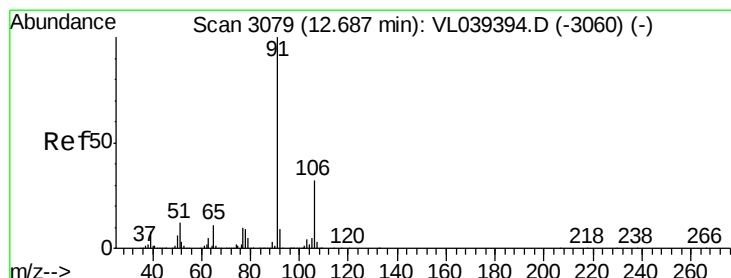
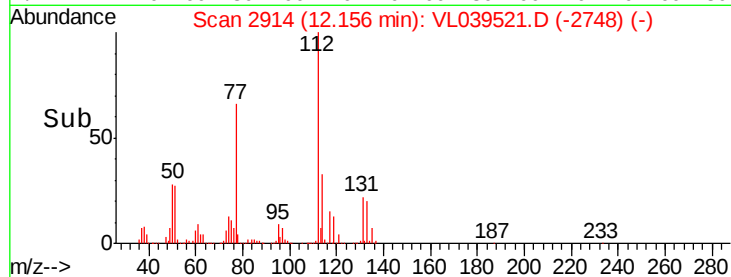
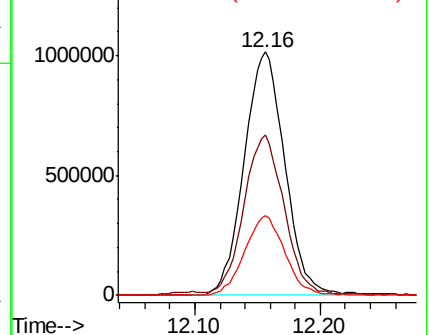
114 32.5 27.5 33.6



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 8.645 ppbv

RT: 12.72 min Scan# 3089

Delta R.T. 0.03 min

Lab File: VL039521.D

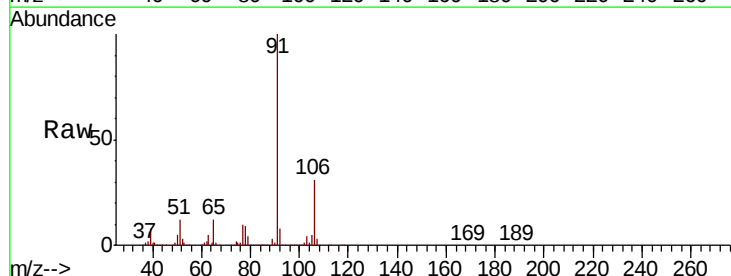
Acq: 25 Jul 2022 15:15

Tgt Ion: 91 Resp: 3969132

Ion Ratio Lower Upper

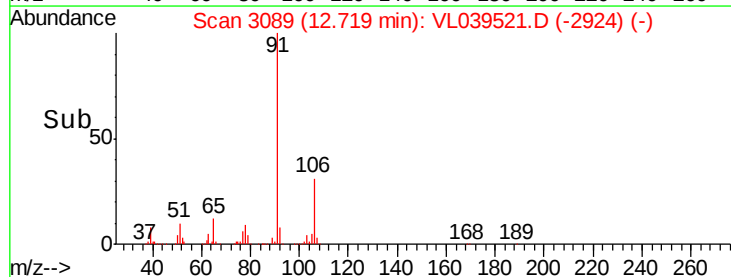
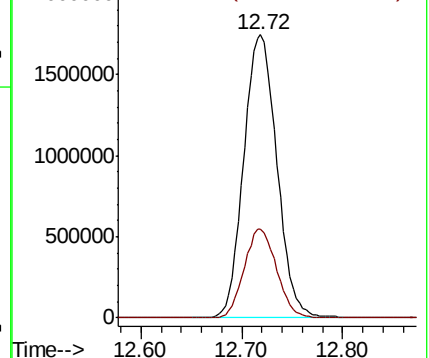
91 100

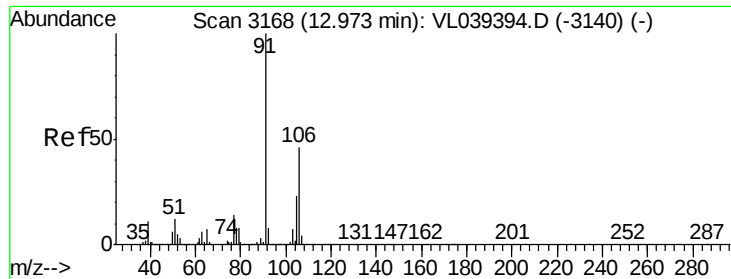
106 31.5 25.4 38.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

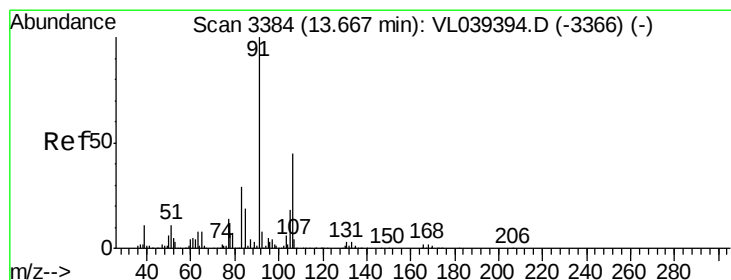
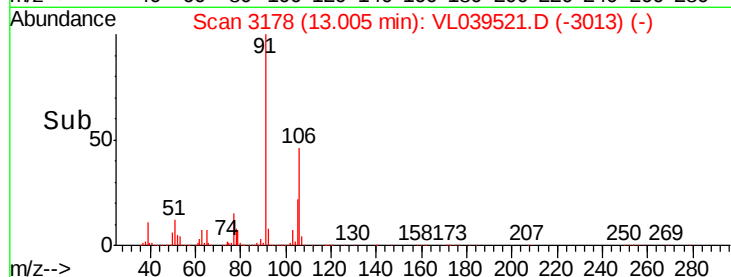
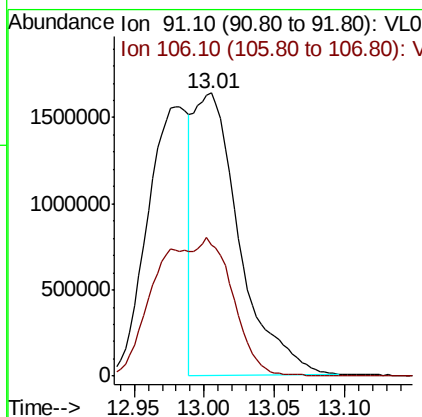
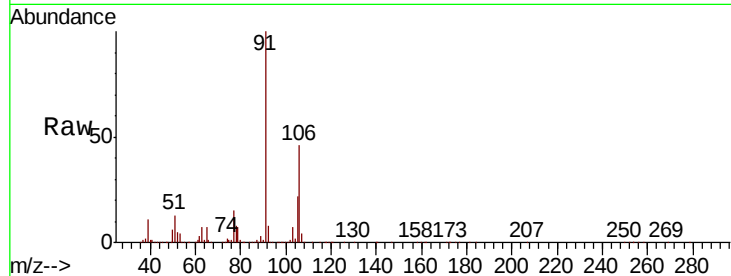
Ion 106.10 (105.80 to 106.80): V





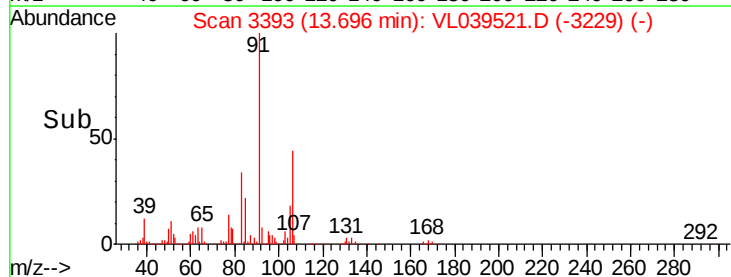
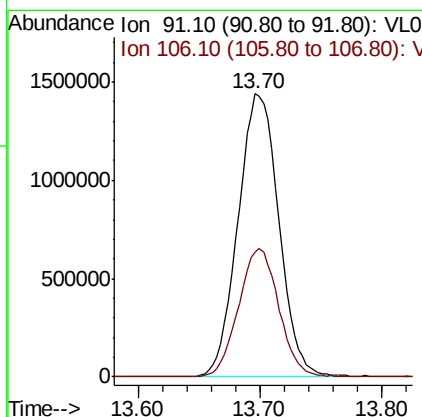
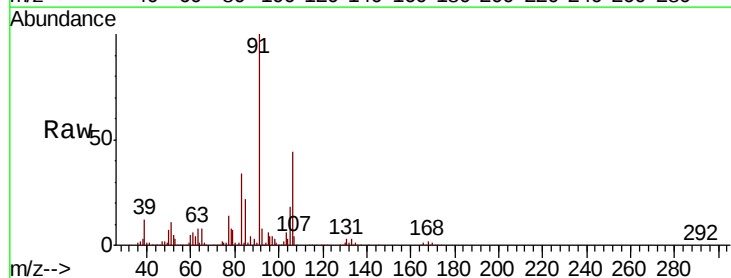
#59
m/p-Xylene
Concen: 9.096 ppbv
RT: 13.01 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VL0725ABS01
Acq: 25 Jul 2022 15:15

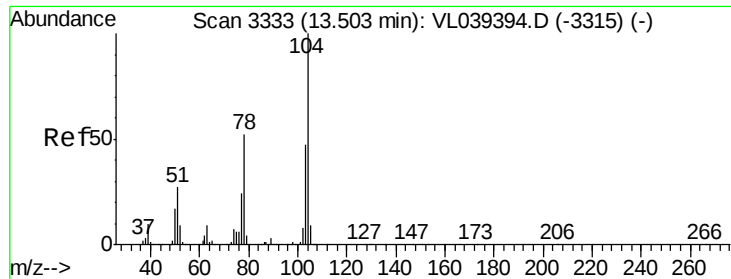
Tot Ion: 91 Resp: 3681438
Ion Ratio Lower Upper
91 100
106 83.1 35.4 53.2#



#60
o-Xylene
Concen: 8.662 ppbv
RT: 13.70 min Scan# 3393
Delta R.T. 0.03 min
Lab File: VL039521.D
Acq: 25 Jul 2022 15:15

Tgt Ion: 91 Resp: 3319825
Ion Ratio Lower Upper
91 100
106 44.9 22.4 67.3

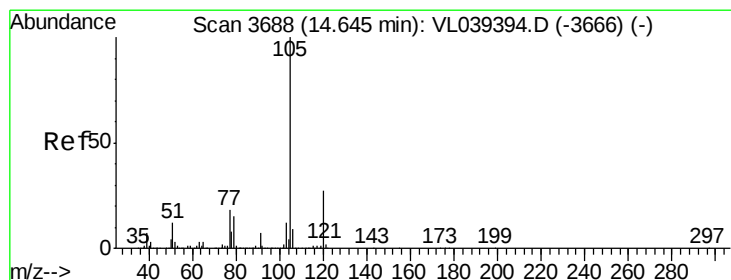
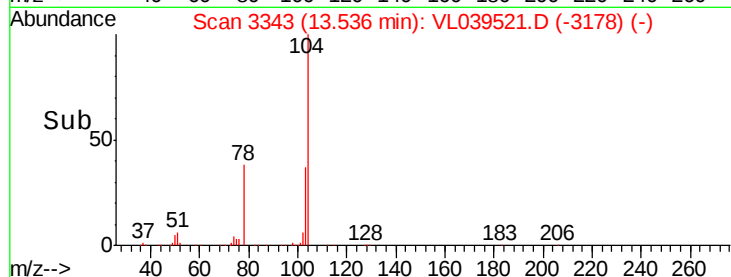
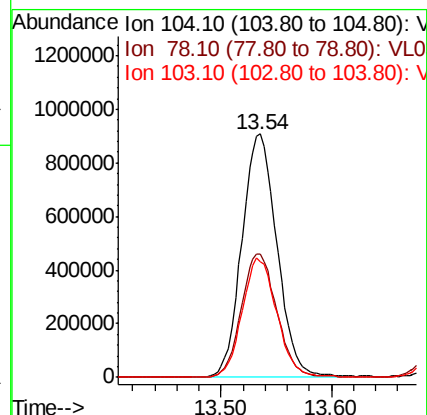
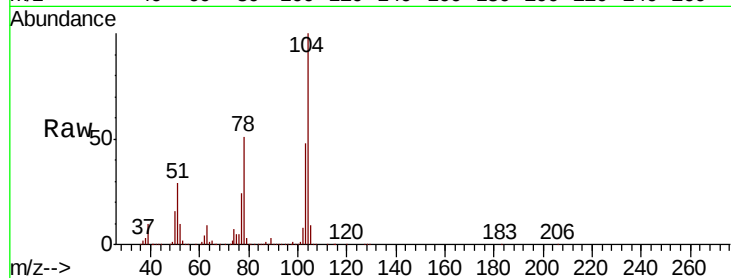




#61
Stvrene
Concen: 9.636 ppbv
RT: 13.54 min
Delta R.T. 0.03 min
Lab File: VL0725ABS01
Acq: 25 Jul 2022 15:15

Tot Ion:104 Resp: 2000672

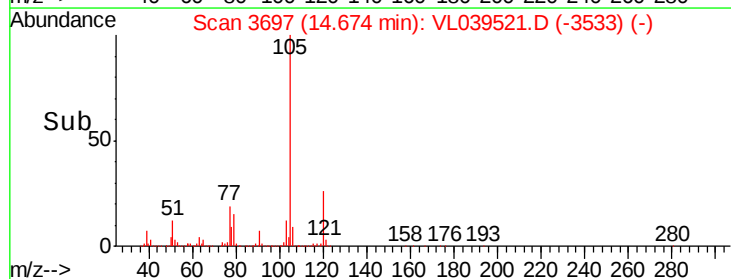
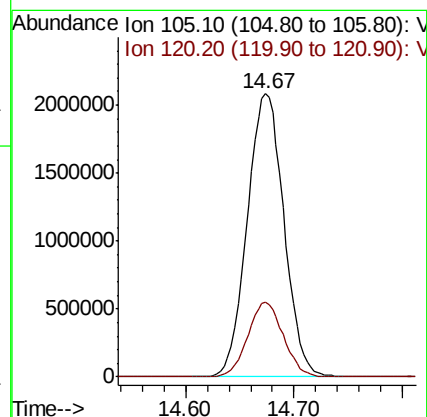
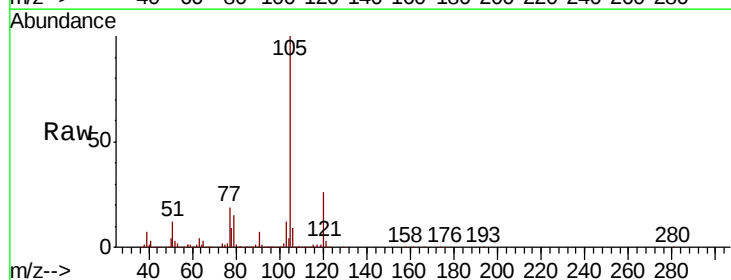
Ion	Ratio	Lower	Upper
104	100		
78	51.6	41.2	61.8
103	48.6	38.7	58.1

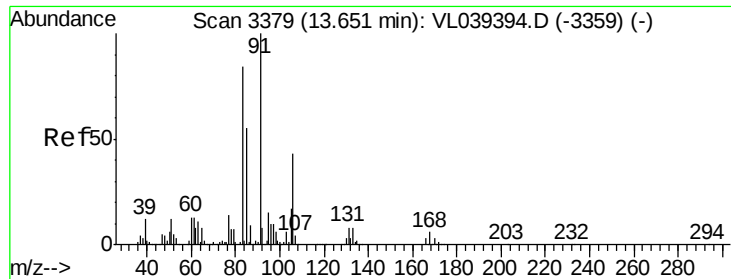


#62
Isopropylbenzene
Concen: 8.440 ppbv
RT: 14.67 min Scan# 3697
Delta R.T. 0.03 min
Lab File: VL039521.D
Acq: 25 Jul 2022 15:15

Tgt Ion:105 Resp: 4925894

Ion	Ratio	Lower	Upper
105	100		
120	25.6	20.7	31.1





#63

1,1,2,2-Tetrachloroethane

Concen: 7.804 ppbv

RT: 13.68

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 25 Jul 2022 15:15

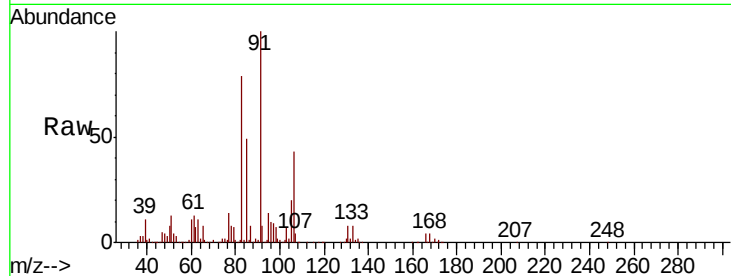
Tot Ion: 83 Resp: 1567729

Ion Ratio Lower Upper

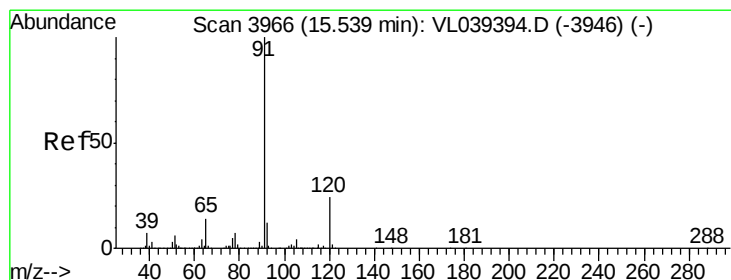
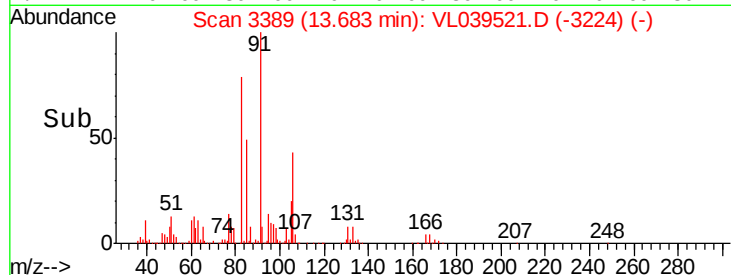
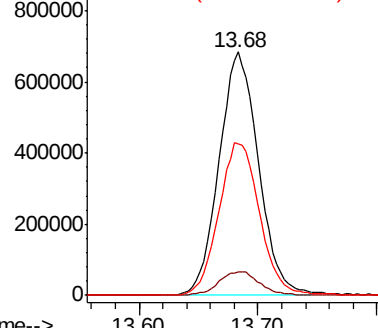
83 100

131 10.2 5.3 15.8

85 65.2 33.1 99.5



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



#64

n-propylbenzene

Concen: 4.837 ppbv

RT: 15.56 min Scan# 3974

Delta R.T. 0.03 min

Lab File: VL039521.D

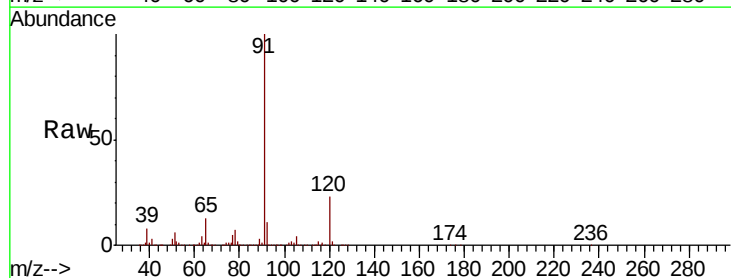
Acq: 25 Jul 2022 15:15

Tgt Ion:120 Resp: 715614

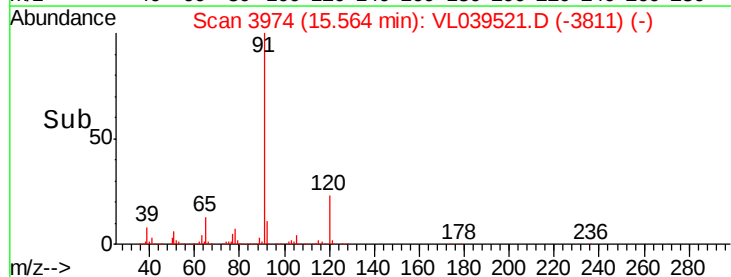
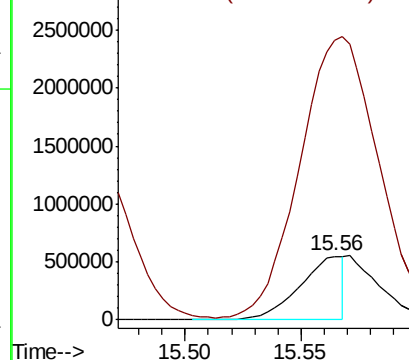
Ion Ratio Lower Upper

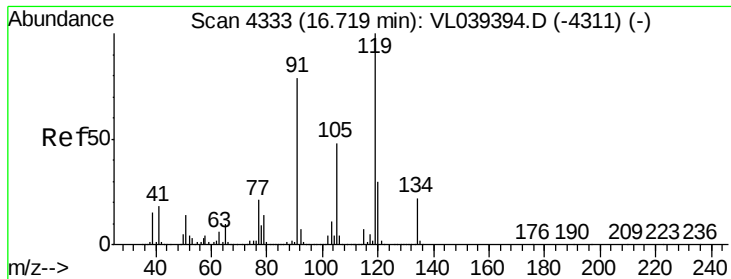
120 100

91 514.0 367.2 550.8



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

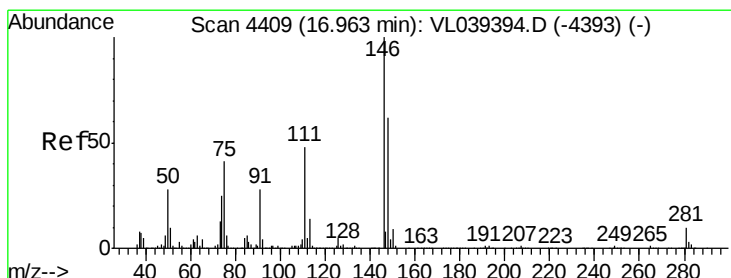
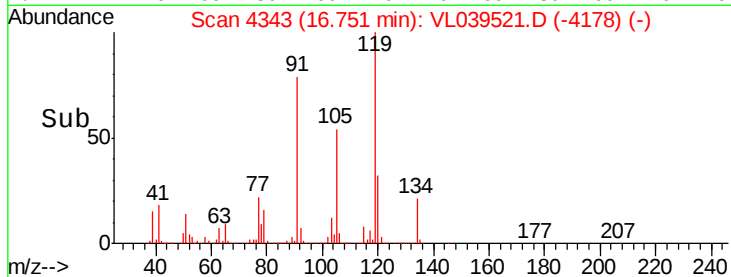
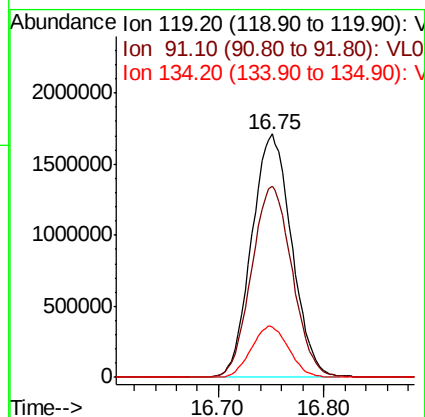
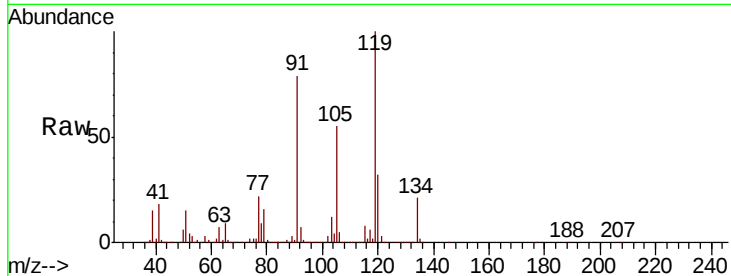




#65
 tert-Butylbenzene
 Concen: 8.381 ppbv
 RT: 16.75 min
 Delta R.T. 0.03 min
 Lab File: VL0725ABS01
 Acq: 25 Jul 2022 15:15

Tot Ion: 119 Resp: 4520074

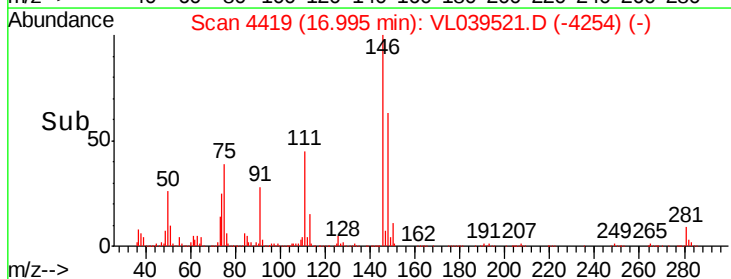
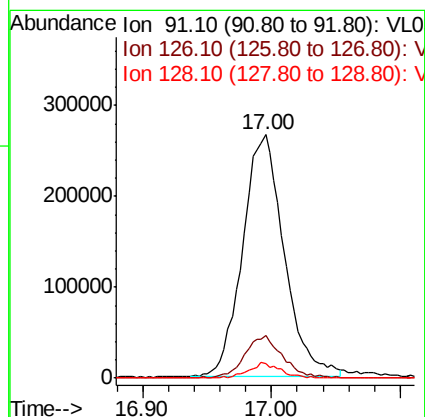
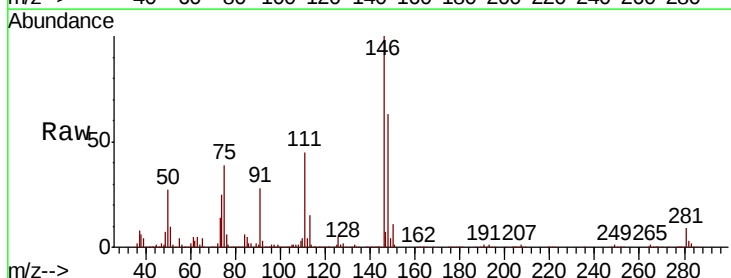
Ion	Ratio	Lower	Upper
119	100		
91	79.9	63.4	95.2
134	19.8	15.9	23.9

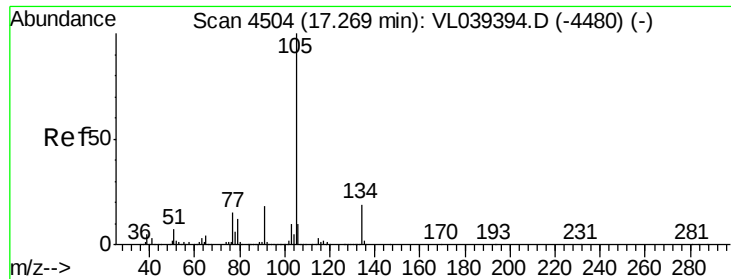


#66
 Benzyl Chloride
 Concen: 11.661 ppbv
 RT: 17.00 min Scan# 4419
 Delta R.T. 0.03 min
 Lab File: VL039521.D
 Acq: 25 Jul 2022 15:15

Tgt Ion: 91 Resp: 597670

Ion	Ratio	Lower	Upper
91	100		
126	16.3	13.1	19.7
128	5.2	4.4	6.6





#67

sec-Butylbenzene

Concen: 8.489 ppbv

RT: 17.30 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

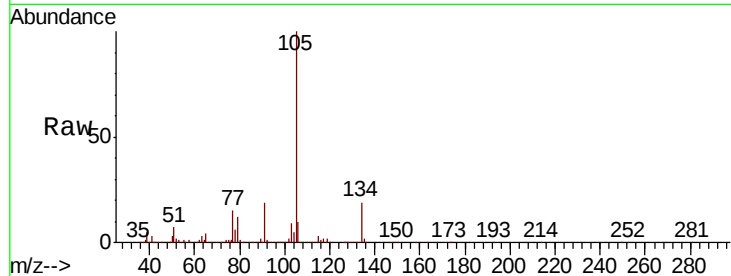
Acq: 25 Jul 2022 15:15

Tot Ion: 105 Resp: 6167121

Ion Ratio Lower Upper

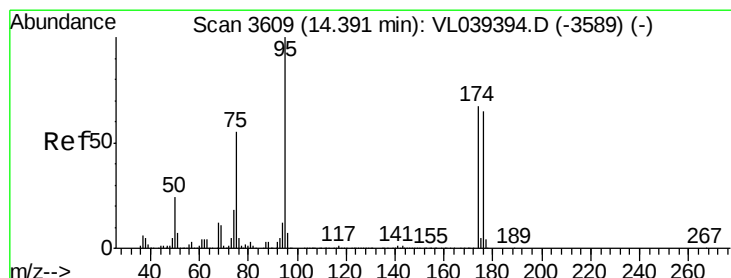
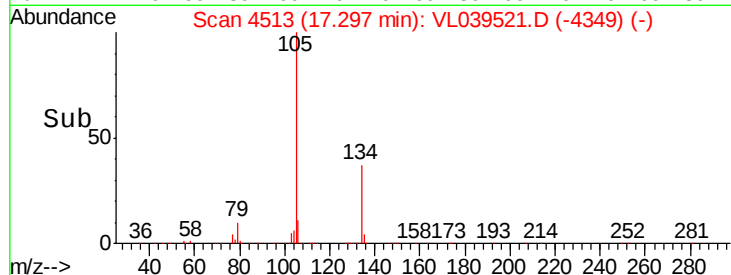
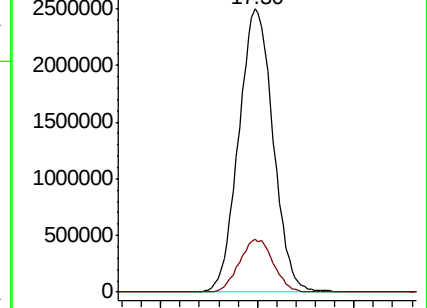
105 100

134 18.6 14.8 22.2



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: 8.316 ppbv

RT: 14.42 min Scan# 3619

Delta R.T. 0.03 min

Lab File: VL039521.D

Acq: 25 Jul 2022 15:15

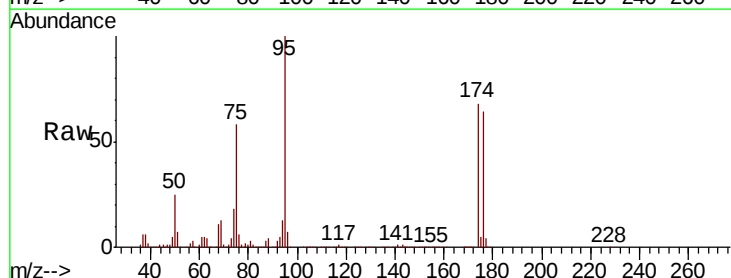
Tgt Ion: 95 Resp: 2193432

Ion Ratio Lower Upper

95 100

174 67.4 55.9 83.9

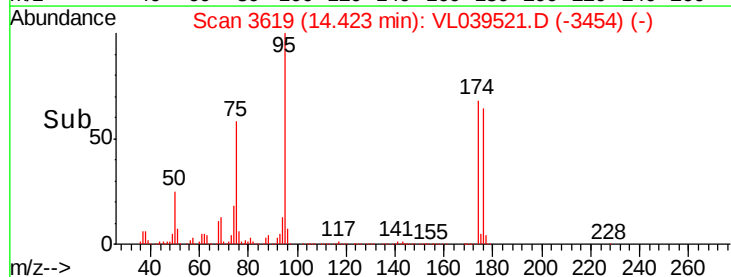
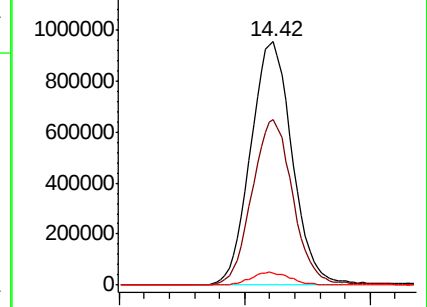
175 5.2 4.2 6.4

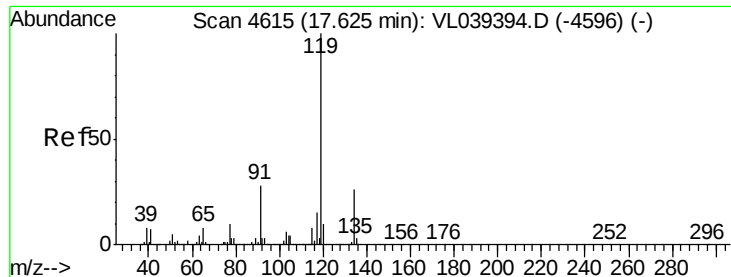


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

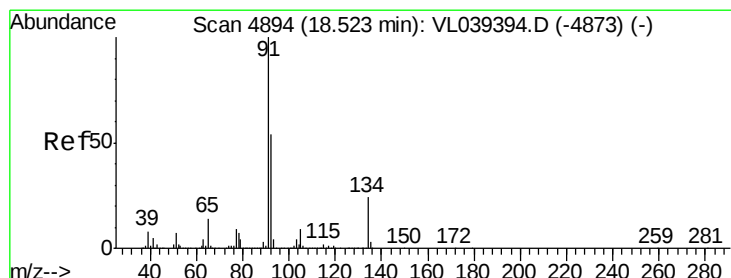
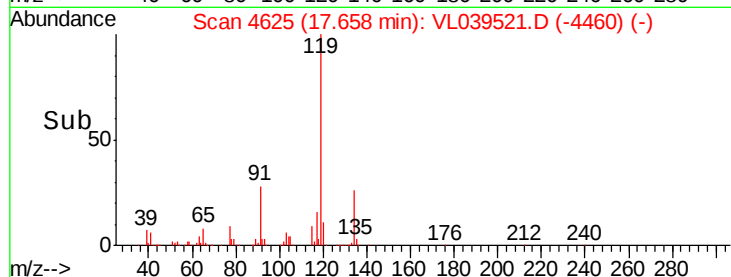
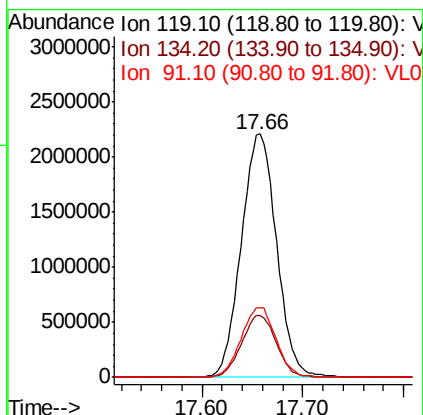
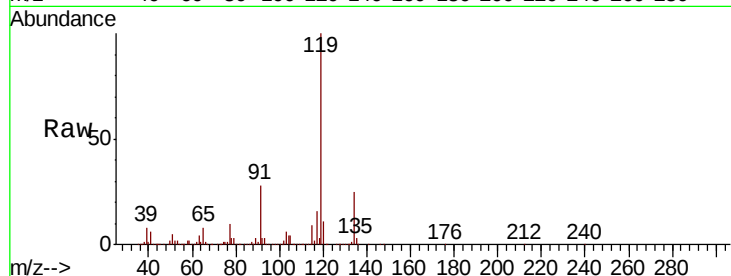




#69
 p-Isopropyltoluene
 Concen: 8.666 ppbv
 RT: 17.66 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0725ABS01
 Acq: 25 Jul 2022 15:15

Tot Ion: 119 Resp: 5341715

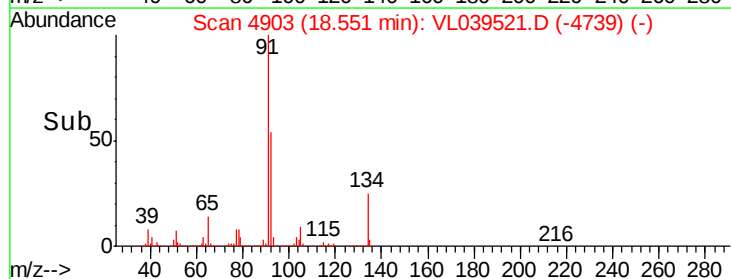
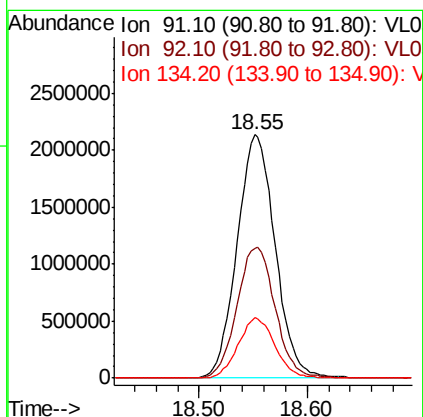
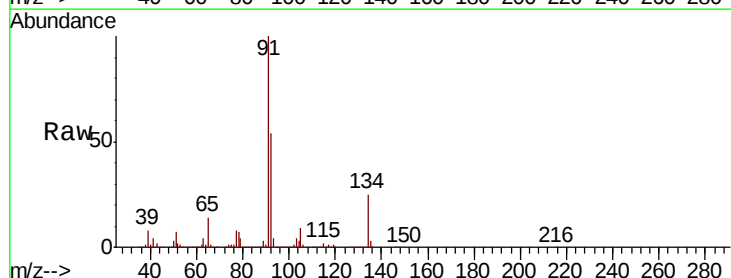
Ion	Ratio	Lower	Upper
119	100		
134	25.3	20.3	30.5
91	28.5	22.9	34.3

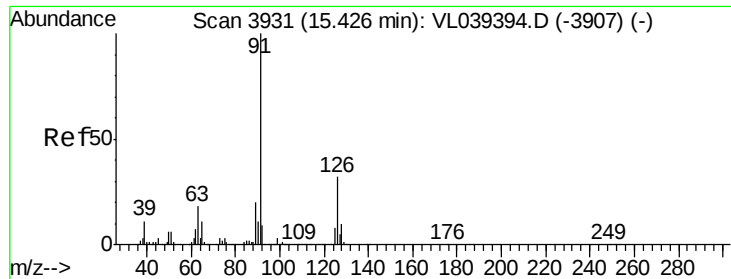


#70
 n-Butylbenzene
 Concen: 8.738 ppbv
 RT: 18.55 min Scan# 4903
 Delta R.T. 0.03 min
 Lab File: VL039521.D
 Acq: 25 Jul 2022 15:15

Tgt Ion: 91 Resp: 5227670

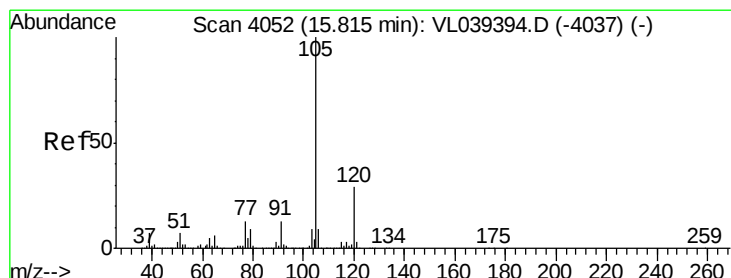
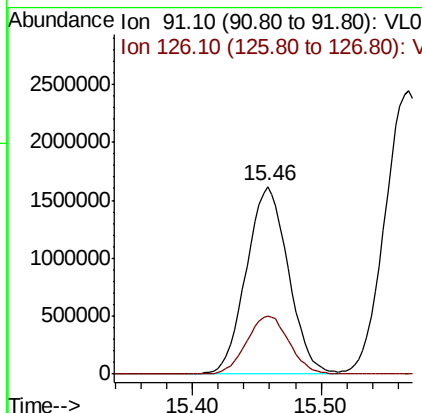
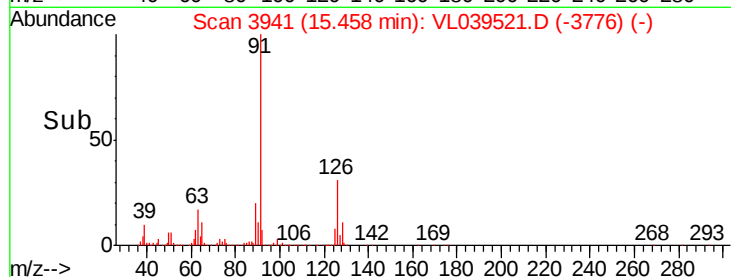
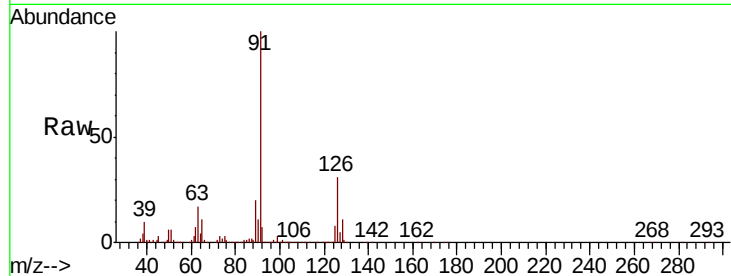
Ion	Ratio	Lower	Upper
91	100		
92	54.3	43.4	65.2
134	24.1	18.9	28.3





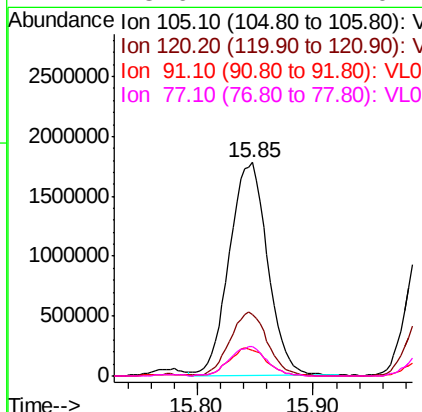
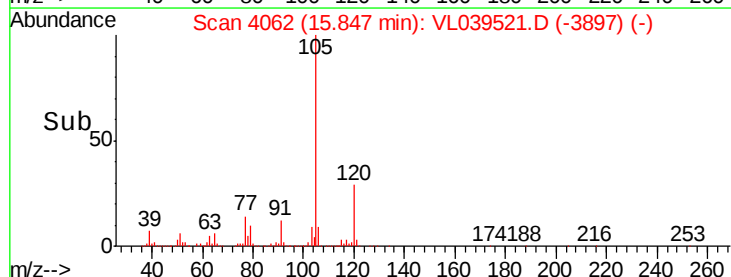
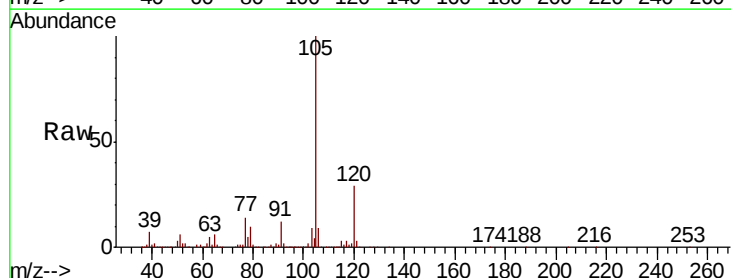
#71
 2-Chlorotoluene
 Concen: 8.800 ppbv
 RT: 15.46
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampled:
 VL0725ABS01
 Acq: 25 Jul 2022 15:15

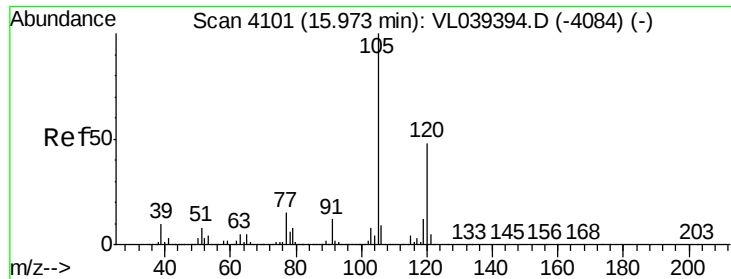
Tot Ion: 91 Resp: 3676080
 Ion Ratio Lower Upper
 91 100
 126 31.5 13.0 51.8



#72
 4-Ethyltoluene
 Concen: 9.049 ppbv
 RT: 15.85 min Scan# 4062
 Delta R.T.: 0.03 min
 Lab File: VL039521.D
 Acq: 25 Jul 2022 15:15

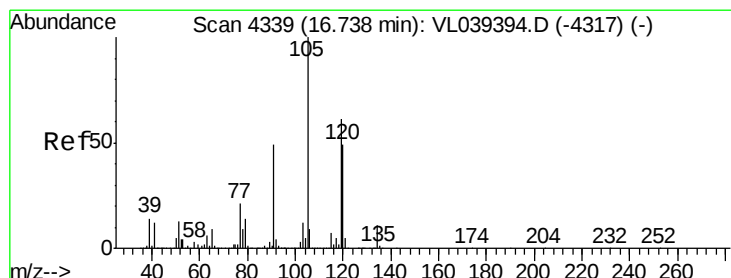
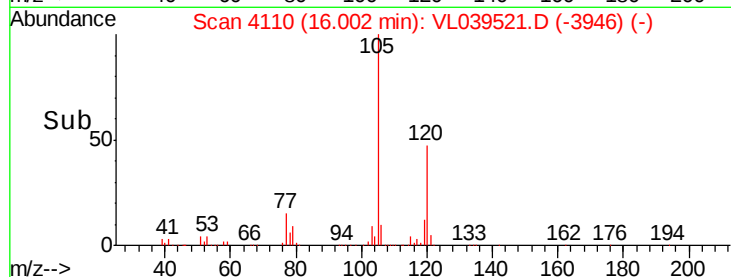
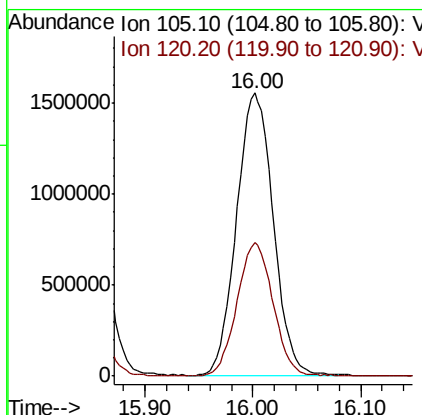
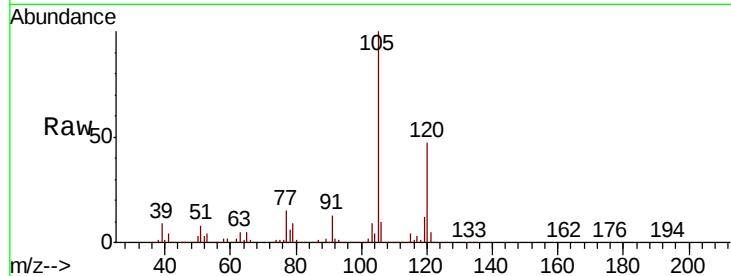
Tgt Ion:105 Resp: 4077623
 Ion Ratio Lower Upper
 105 100
 120 29.5 24.2 36.2
 91 12.8 10.2 15.4
 77 13.6 11.1 16.7





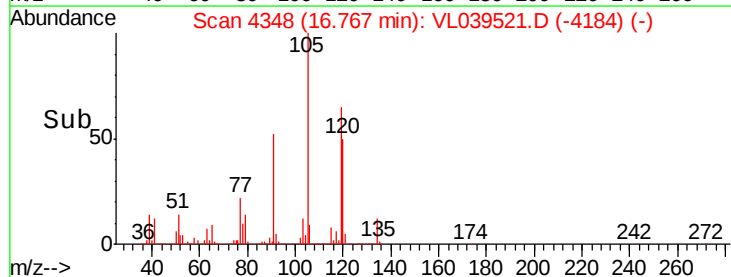
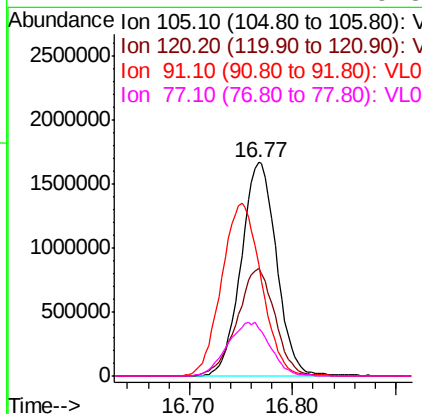
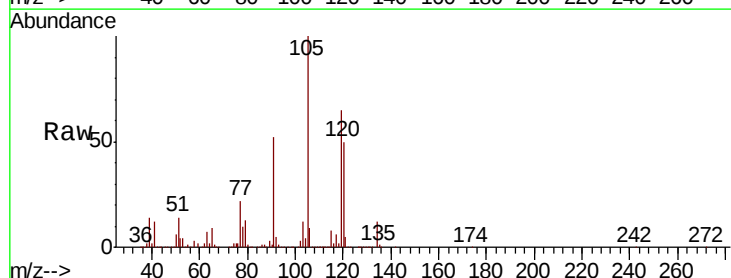
#73
 1,3,5-Trimethylbenzene
 Concen: 8.867 ppbv
 RT: 16.00
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0725ABS01
 Acq: 25 Jul 2022 15:15

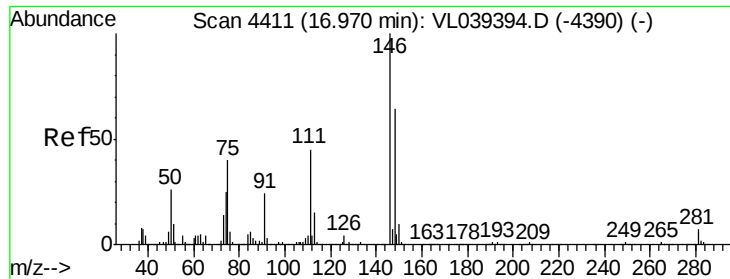
Tot Ion:105 Resp: 3669671
 Ion Ratio Lower Upper
 105 100
 120 47.1 38.2 57.4



#74
 1,2,4-Trimethylbenzene
 Concen: 8.651 ppbv
 RT: 16.77 min Scan# 4348
 Delta R.T. 0.03 min
 Lab File: VL039521.D
 Acq: 25 Jul 2022 15:15

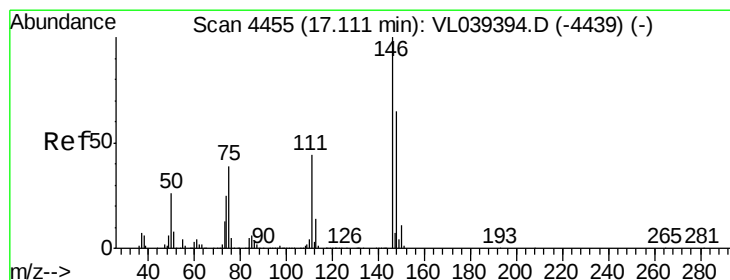
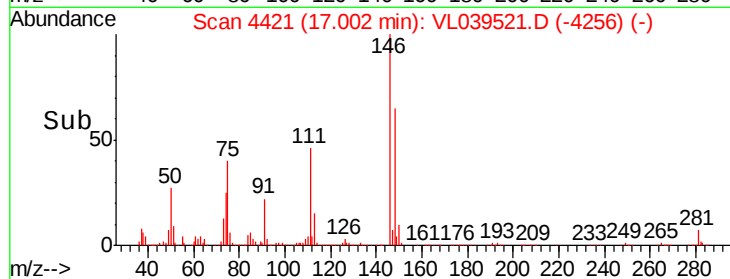
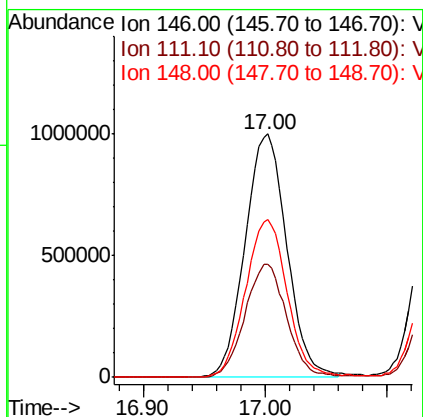
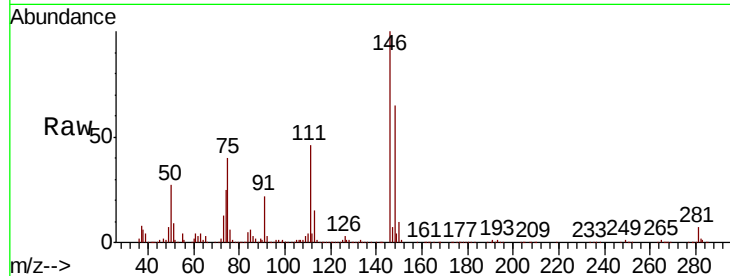
Tgt Ion:105 Resp: 3960957
 Ion Ratio Lower Upper
 105 100
 120 50.0 39.5 59.3
 91 52.2 39.2 58.8
 77 22.1 17.2 25.8





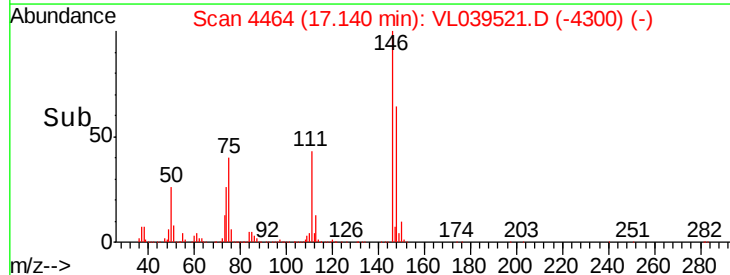
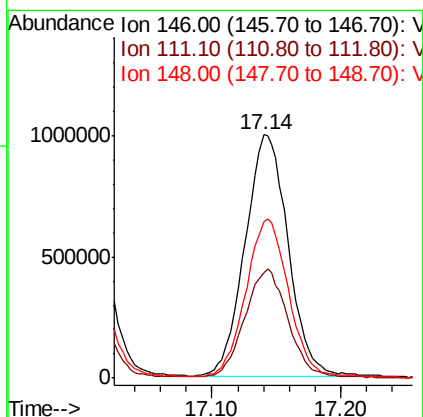
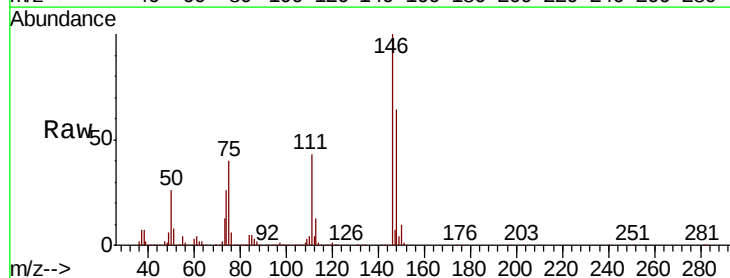
#75
 1,3-Dichlorobenzene
 Concen: 8.647 ppbv
 RT: 17.00
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0725ABS01
 Acq: 25 Jul 2022 15:15

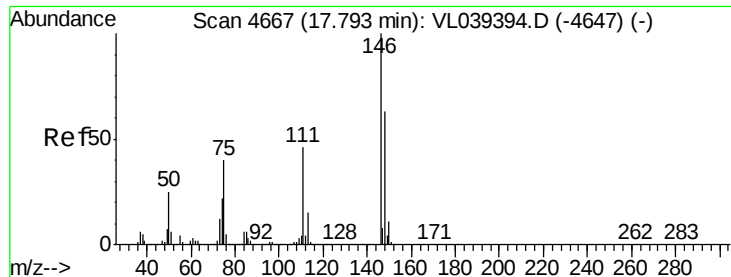
Tot Ion:146 Resp: 2361681
 Ion Ratio Lower Upper
 146 100
 111 46.6 22.9 68.7
 148 65.1 32.1 96.5



#76
 1,4-Dichlorobenzene
 Concen: 8.538 ppbv
 RT: 17.14 min Scan# 4464
 Delta R.T. 0.03 min
 Lab File: VL039521.D
 Acq: 25 Jul 2022 15:15

Tgt Ion:146 Resp: 2311056
 Ion Ratio Lower Upper
 146 100
 111 45.3 22.9 68.8
 148 66.8 33.6 100.8

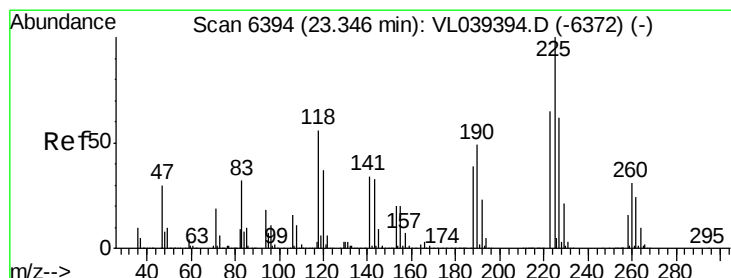
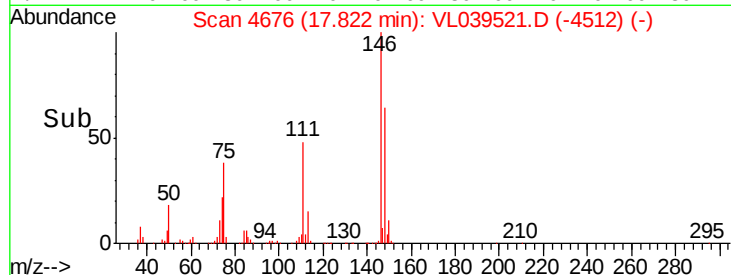
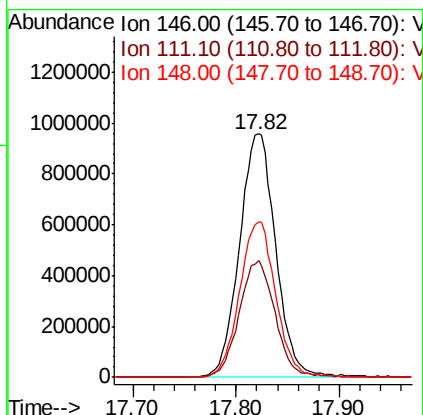
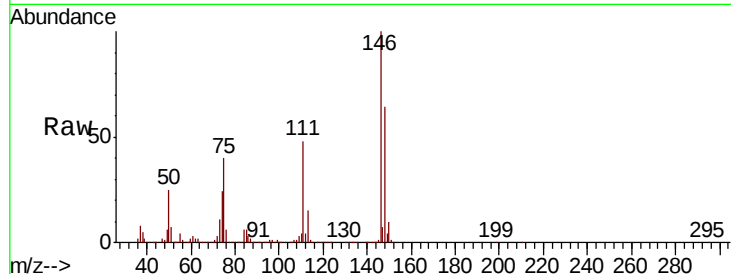




#77
 1,2-Dichlorobenzene
 Concen: 8.574 ppbv
 RT: 17.82 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0725ABS01
 Acq: 25 Jul 2022 15:15

Tot Ion:146 Resp: 2321089

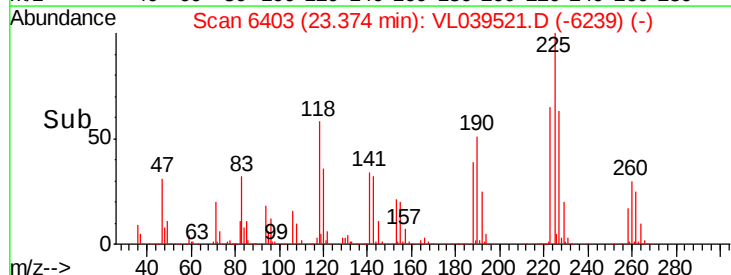
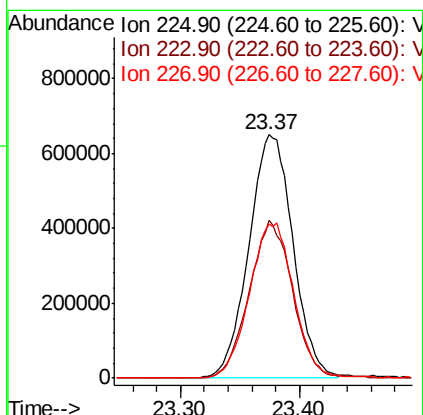
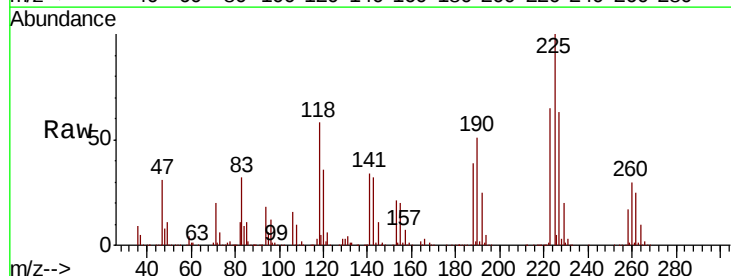
Ion	Ratio	Lower	Upper
146	100		
111	48.3	23.8	71.5
148	64.3	32.3	96.8

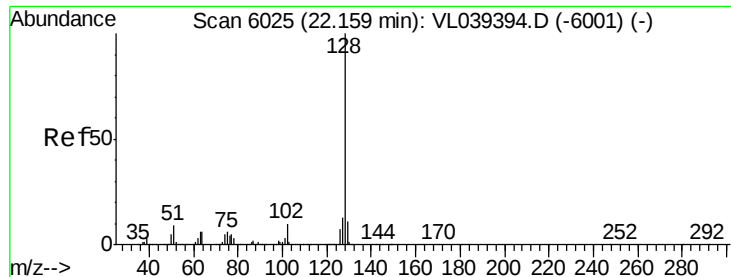


#78
 Hexachloro-1,3-Butadiene
 Concen: 7.668 ppbv
 RT: 23.37 min Scan# 6403
 Delta R.T. 0.03 min
 Lab File: VL039521.D
 Acq: 25 Jul 2022 15:15

Tgt Ion:225 Resp: 1669503

Ion	Ratio	Lower	Upper
225	100		
223	63.6	51.8	77.6
227	64.4	51.4	77.2





#79

Naphthalene

Concen: 10.435 ppbv

RT: 22.20

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Jul 2022 15:15

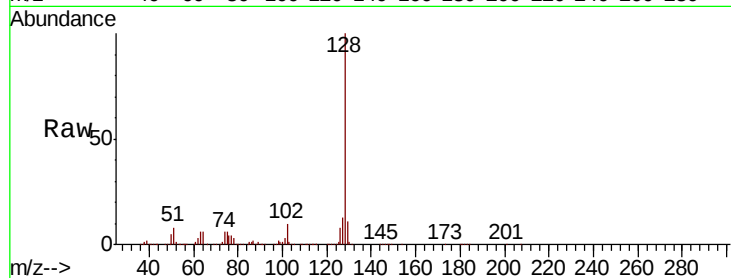
Tot Ion:128 Resp: 3287832

Ion	Ratio	Lower	Upper
-----	-------	-------	-------

128	100		
-----	-----	--	--

127	13.1	10.6	15.8
-----	------	------	------

129	10.9	8.8	13.2
-----	------	-----	------

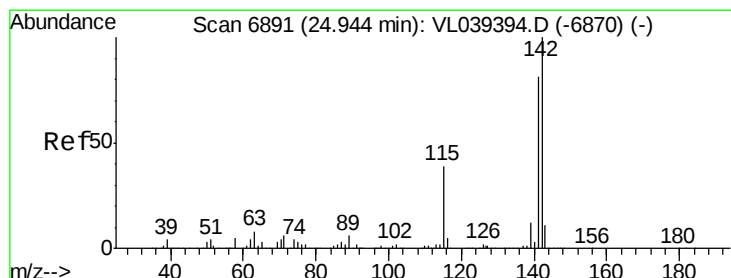
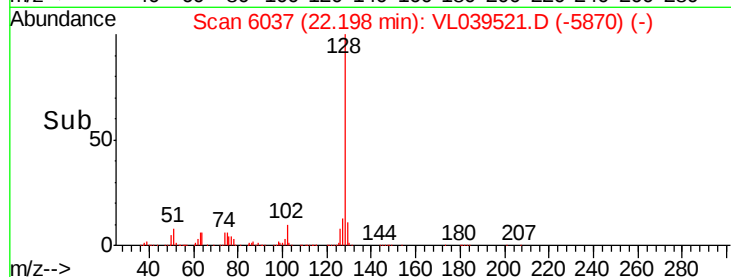
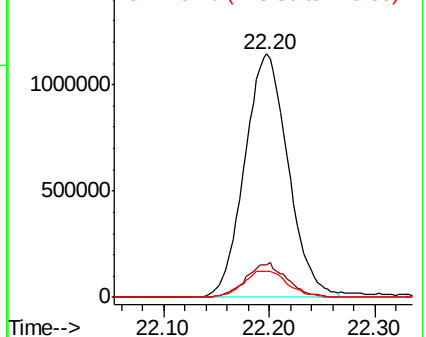


Abundance

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: 10.379 ppbv

RT: 24.97 min Scan# 6899

Delta R.T. 0.03 min

Lab File: VL039521.D

Acq: 25 Jul 2022 15:15

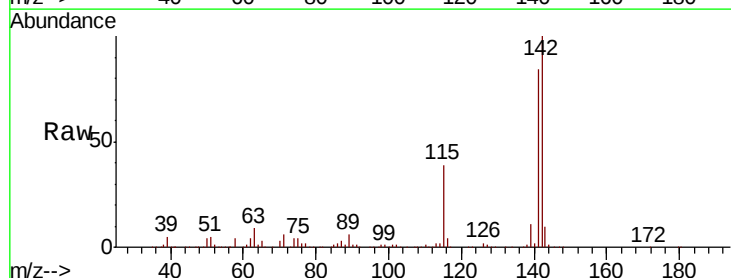
Tgt Ion:142 Resp: 1112996

Ion	Ratio	Lower	Upper
-----	-------	-------	-------

142	100		
-----	-----	--	--

141	90.6	68.9	103.3
-----	------	------	-------

115	41.2	30.0	45.0
-----	------	------	------

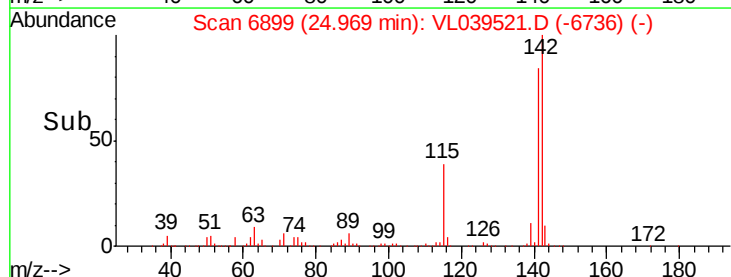
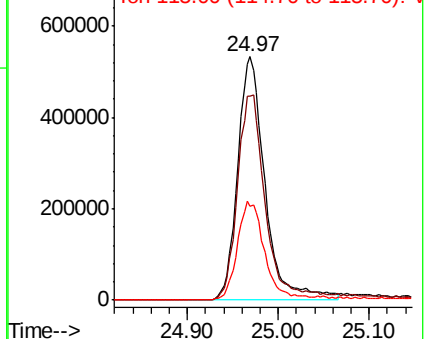


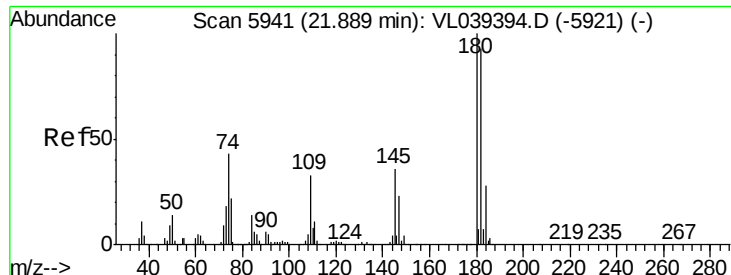
Abundance

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: 8.967 ppbv

RT: 21.93

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 25 Jul 2022 15:15

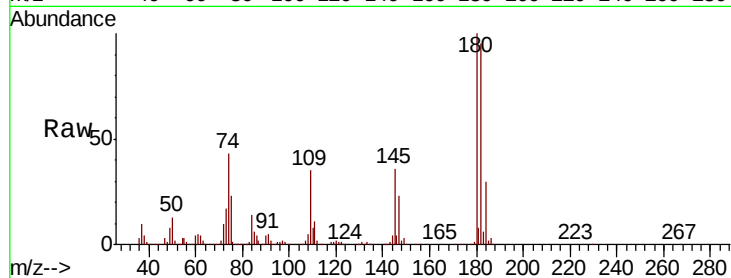
Tot Ion:180 Resp: 1840151

Ion Ratio Lower Upper

180 100

182 96.5 77.1 115.7

184 31.2 24.3 36.5



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

