

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072522\
 Data File : VL039522.D
 Acq On : 25 Jul 2022 18:42
 Operator : SY/AP
 Sample : VL0725ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VL0725ABS02

Quant Time: Jul 26 08:04:46 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	5.68	49	1031242	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.19	114	2853957	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.09	117	3414557	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2085789	8.23	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	82.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.06	85	1061482	7.136 ppbv	99
3) Chlorodifluoromethane	3.00	51	1288132	9.846 ppbv	99
4) Chloromethane	3.15	50	712843	9.962 ppbv	99
5) Vinyl Chloride	3.27	62	686994	9.737 ppbv	96
6) Bromomethane	3.48	94	306821	10.332 ppbv	95
7) Chloroethane	3.56	64	255333	10.174 ppbv	94
8) Dichlorotetrafluoroethane	3.20	85	1539826	9.477 ppbv	97
9) Propene	3.02	41	564968	9.562 ppbv	97
10) Heptane	8.13	43	1453427	10.503 ppbv	99
11) Trichlorofluoromethane	3.96	101	1705897	10.292 ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1232476	9.974 ppbv	100
13) Ethanol	3.61	45	20159	5.881 ppbv	59
14) Bromoethene	3.75	108	513535	9.886 ppbv	96
15) Acetone	3.85	43	1261629	10.341 ppbv	98
16) 1,3-Butadiene	3.33	39	657565	10.388 ppbv	99
17) tert-Butyl alcohol	4.29	59	1174706	11.344 ppbv	99
18) 1,1-Dichloroethene	4.29	96	547587	9.782 ppbv	97
19) Isopropyl Alcohol	3.97	45	687937	10.571 ppbv	98
20) Methylene Chloride	4.35	84	515893	10.609 ppbv	96
21) Allyl Chloride	4.42	41	844213	9.991 ppbv	97
22) trans-1,2-Dichloroethene	4.89	96	565949	10.444 ppbv	98
23) Vinyl Acetate	5.08	43	936042	11.480 ppbv	98
24) 1,1-Dichloroethane	5.02	63	1250428	10.859 ppbv	98
25) Ethyl Acetate	5.68	43	2701846	10.800 ppbv	99
26) Hexane	5.69	57	1170030	11.603 ppbv	98
27) Carbon Disulfide	4.56	76	1344092	11.043 ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	1195826	11.091 ppbv	97
29) Chloroform	5.76	83	1833218	10.455 ppbv	98
30) Cyclohexane	7.14	84	969090	10.556 ppbv	98
31) cis-1,2-Dichloroethene	5.56	61	1122658	10.493 ppbv	97
32) 1,1,1-Trichloroethane	6.52	97	1852007	10.701 ppbv	99
34) 2-Butanone	5.25	43	1576555	10.974 ppbv	100
35) Carbon Tetrachloride	7.03	117	2001149	11.348 ppbv	99
36) Benzene	6.90	78	2333411	10.564 ppbv	97
37) 1,2-Dichloroethane	6.32	62	1415057	10.854 ppbv	99
38) Trichloroethene	7.84	130	1292987	10.823 ppbv	98
39) 1,2-Dichloropropane	7.62	63	872140	10.569 ppbv	94
40) 1,4-Dioxane	7.84	88	361970	11.008 ppbv	97
41) Tetrahydrofuran	6.06	42	912407	10.960 ppbv	99
42) Bromodichloromethane	7.80	83	1983179	11.282 ppbv	99
43) Methyl Methacrylate	8.02	69	935374	11.137 ppbv	98

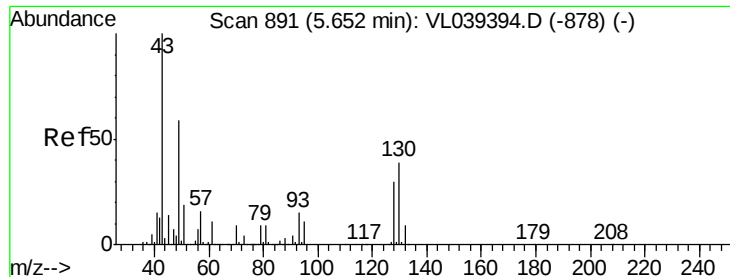
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072522\
 Data File : VL039522.D
 Acq On : 25 Jul 2022 18:42
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 VL0725ABS02

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 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	3922345	10.479	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	999481	13.366	ppbv	98
46) cis-1,3-Dichloropropene	8.71	75	1276623	12.403	ppbv	99
47) 1,1,2-Trichloroethane	9.49	97	988502	10.676	ppbv	98
48) Dibromochloromethane	10.32	129	1766307	12.003	ppbv	99
49) Bromoform	13.05	173	1462595	12.320	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2475683	11.397	ppbv	98
51) 2-Hexanone	10.14	43	1958373	11.919	ppbv	97
52) Tetrachloroethene	11.23	164	932024	10.482	ppbv	98
53) Toluene	9.82	91	2841964	11.154	ppbv	100
54) 1,2-Dibromoethane	10.62	107	1307077	11.345	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.14	131	1309101	8.679	ppbv	96
57) Chlorobenzene	12.16	112	2225490	8.407	ppbv	97
58) Ethyl Benzene	12.72	91	3848971	8.730	ppbv	97
59) m/p-Xylene	13.00	91	3444234	8.861	ppbv #	35
60) o-Xylene	13.70	91	3189272	8.665	ppbv	99
61) Styrene	13.54	104	1898299	9.521	ppbv	99
62) Isopropylbenzene	14.68	105	4722582	8.425	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.69	83	1501662	7.783	ppbv	100
64) n-propylbenzene	15.57	120	1244582	8.760	ppbv	99
65) tert-Butylbenzene	16.75	119	4408191	8.511	ppbv	99
66) Benzyl Chloride	17.00	91	569735	11.575	ppbv	99
67) sec-Butylbenzene	17.30	105	5985254	8.579	ppbv	99
69) p-Isopropyltoluene	17.66	119	5188707	8.765	ppbv	100
70) n-Butylbenzene	18.55	91	5088286	8.856	ppbv	100
71) 2-Chlorotoluene	15.46	91	3483462	8.683	ppbv	100
72) 4-Ethyltoluene	15.85	105	3786143	8.749	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	3525105	8.869	ppbv	100
74) 1,2,4-Trimethylbenzene	16.77	105	3854248	8.766	ppbv	98
75) 1,3-Dichlorobenzene	17.00	146	2308594	8.802	ppbv	100
76) 1,4-Dichlorobenzene	17.15	146	2241612	8.623	ppbv	99
77) 1,2-Dichlorobenzene	17.82	146	2264452	8.710	ppbv	100
78) Hexachloro-1,3-Butadiene	23.38	225	1613913	7.719	ppbv	99
79) Naphthalene	22.20	128	3175548	10.495	ppbv	98
80) Naphthalene, 2-methyl-	24.97	142	1173129	11.391	ppbv	97
81) 1,2,4-Trichlorobenzene	21.93	180	1800641	9.136	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 25 Jul 2022 18:42 VL0725ABS02

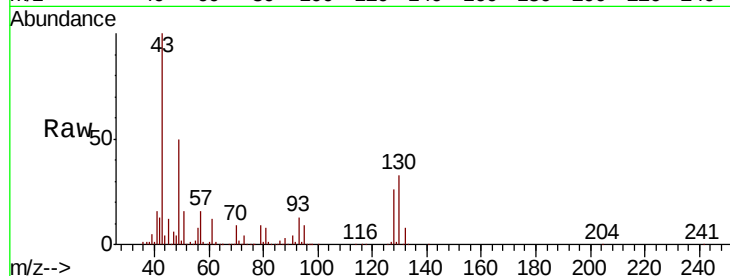
Tot Ion: 49 Resp: 1031242

Ion Ratio Lower Upper

49 100

128 53.0 26.7 80.0

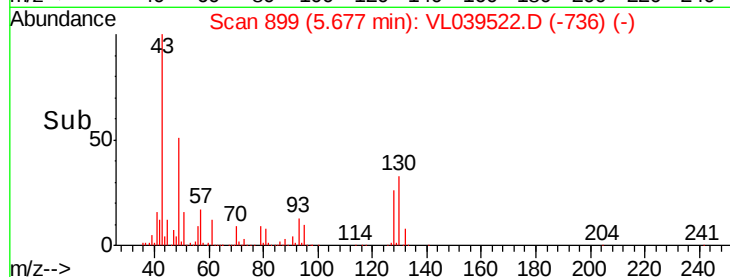
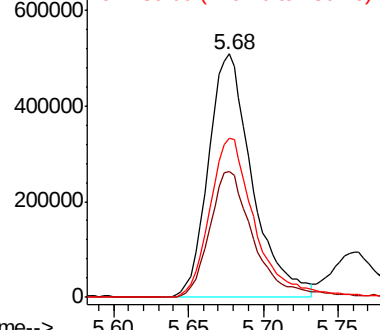
130 68.9 34.3 102.8



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: 7.136 ppbv

RT: 3.06 min Scan# 84

Delta R.T. 0.02 min

Lab File: VL039522.D

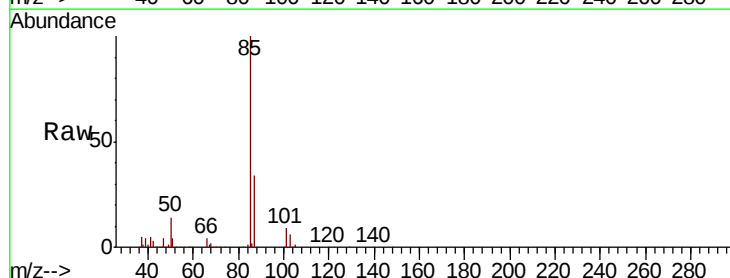
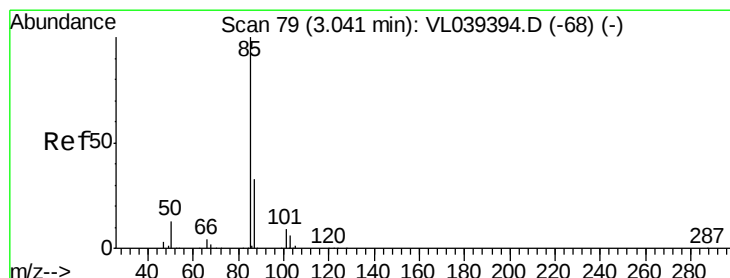
Acq: 25 Jul 2022 18:42

Tgt Ion: 85 Resp: 1061482

Ion Ratio Lower Upper

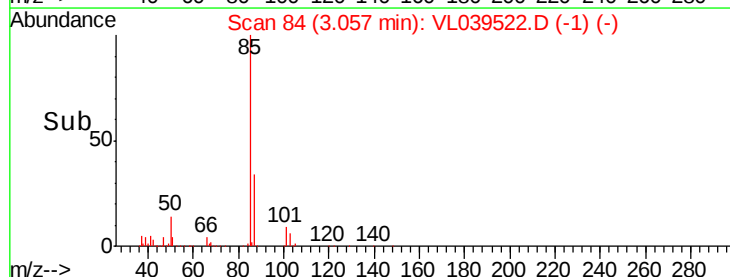
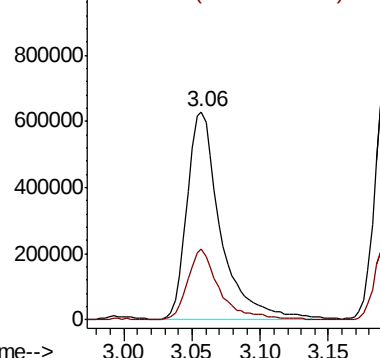
85 100

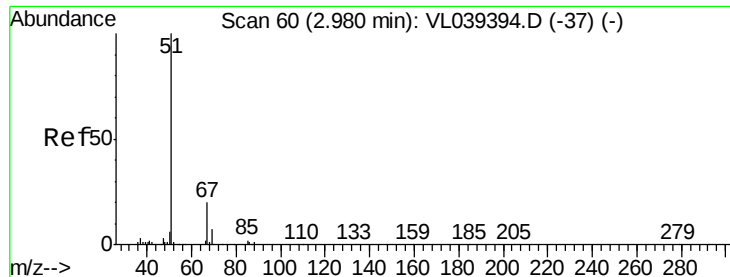
87 34.1 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.846 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

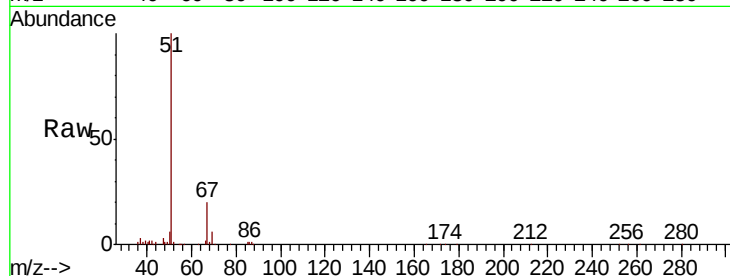
Acq: 25 Jul 2022 18:42 VL0725ABS02

Tot Ion: 51 Resp: 1288132

Ion Ratio Lower Upper

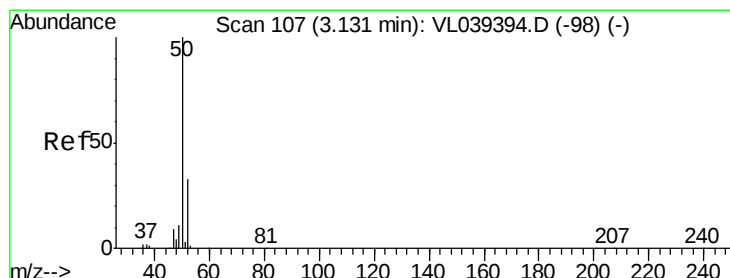
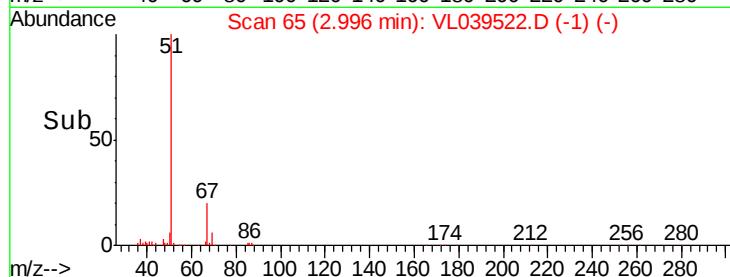
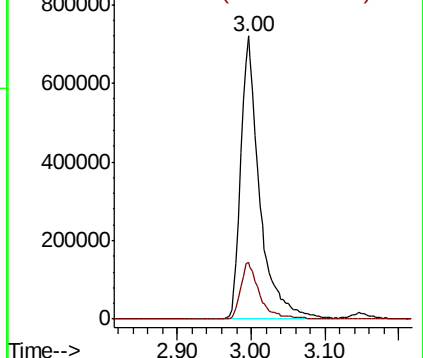
51 100

67 20.3 15.7 23.5



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.962 ppbv

RT: 3.15 min Scan# 113

Delta R.T. 0.02 min

Lab File: VL039522.D

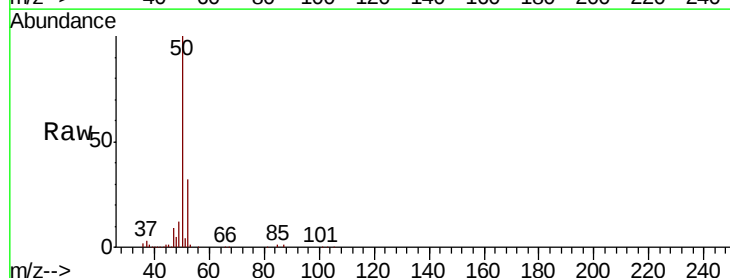
Acq: 25 Jul 2022 18:42

Tgt Ion: 50 Resp: 712843

Ion Ratio Lower Upper

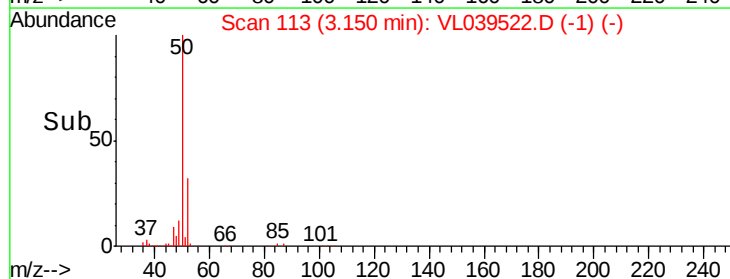
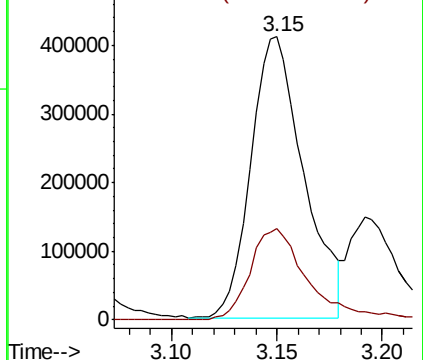
50 100

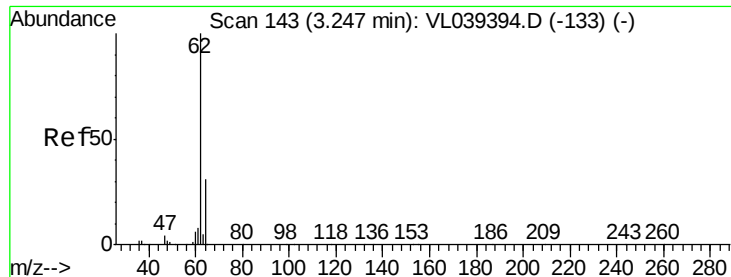
52 32.5 26.5 39.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.737 ppbv

RT: 3.27 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL0725ABS02

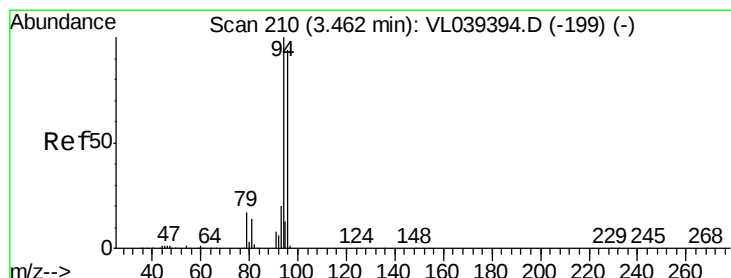
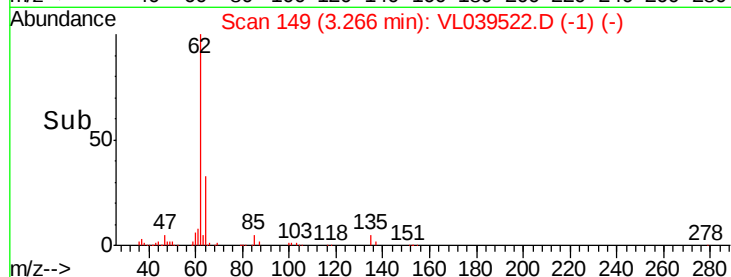
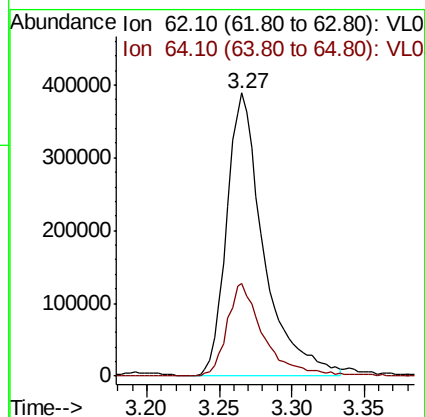
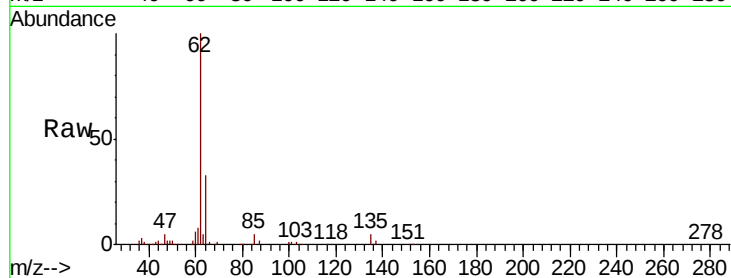
Acq: 25 Jul 2022 18:42

Tot Ion: 62 Resp: 686994

Ion Ratio Lower Upper

62 100

64 32.8 24.6 36.8



#6

Bromomethane

Concen: 10.332 ppbv

RT: 3.48 min Scan# 216

Delta R.T. 0.02 min

Lab File: VL039522.D

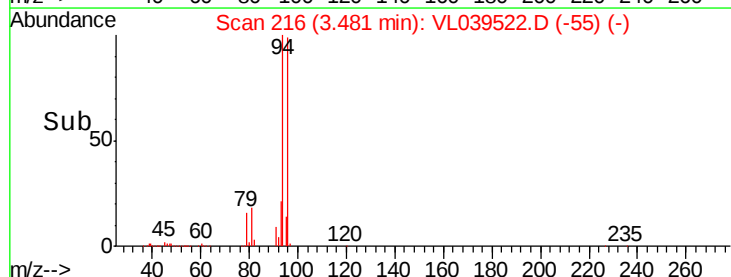
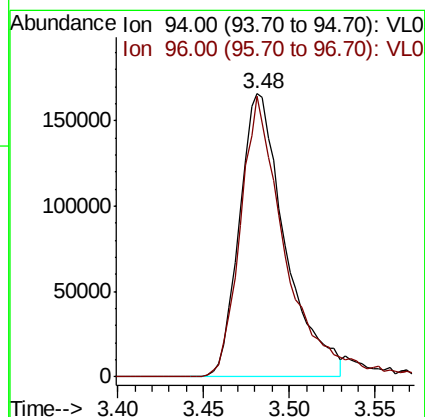
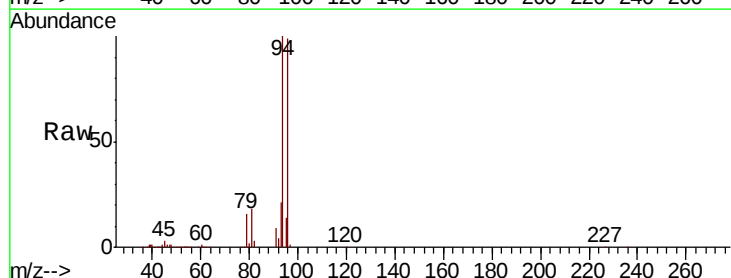
Acq: 25 Jul 2022 18:42

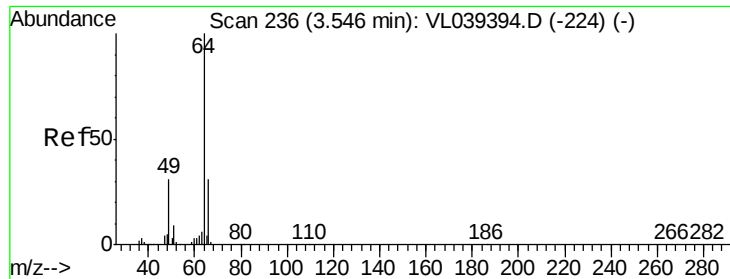
Tgt Ion: 94 Resp: 306821

Ion Ratio Lower Upper

94 100

96 99.2 75.6 113.4





#7

Chloroethane

Concen: 10.174 ppbv

RT: 3.56 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL0725ABS02

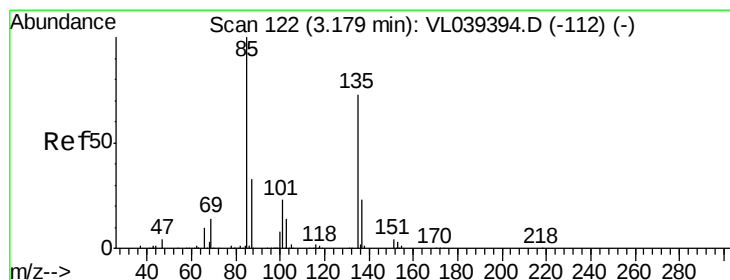
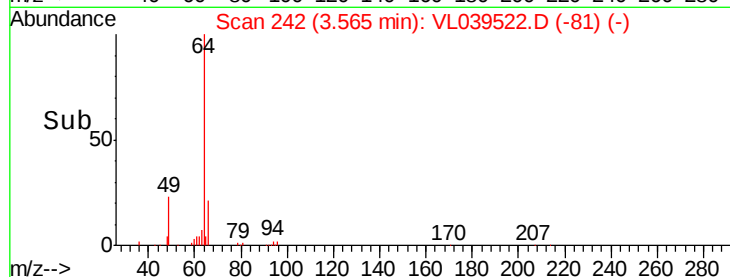
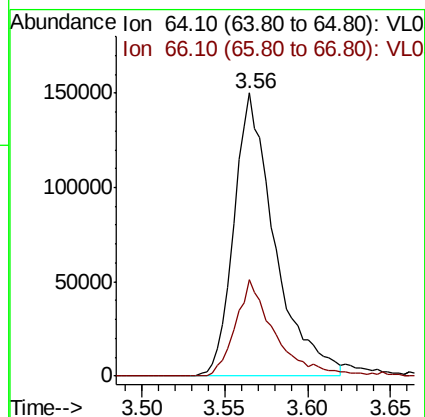
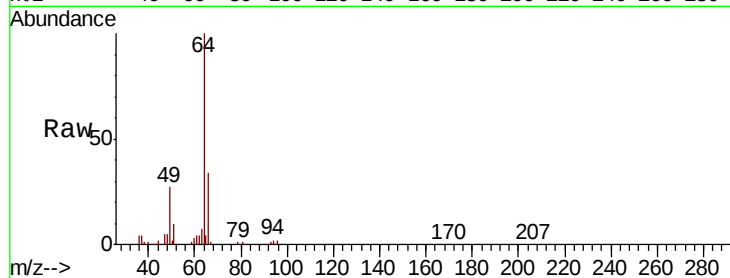
Acq: 25 Jul 2022 18:42

Tot Ion: 64 Resp: 255333

Ion Ratio Lower Upper

64 100

66 34.0 24.7 37.1



#8

Dichlorotetrafluoroethane

Concen: 9.477 ppbv

RT: 3.20 min Scan# 127

Delta R.T. 0.02 min

Lab File: VL039522.D

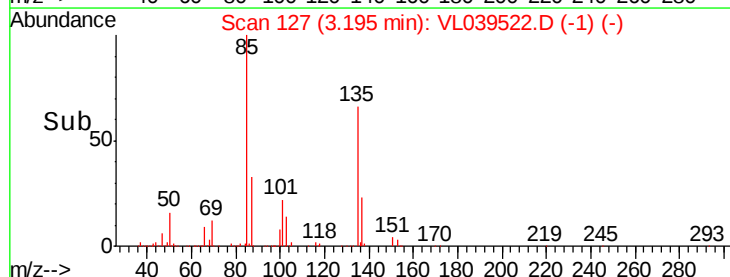
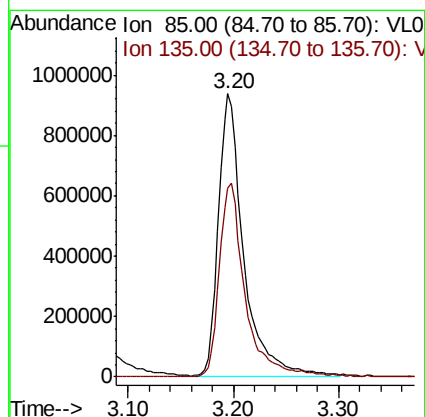
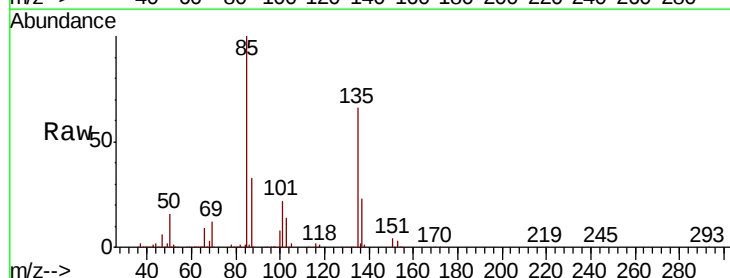
Acq: 25 Jul 2022 18:42

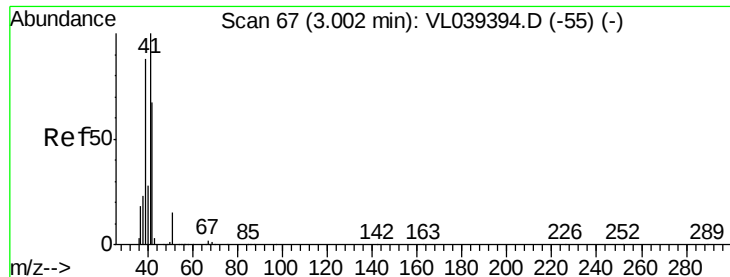
Tgt Ion: 85 Resp: 1539826

Ion Ratio Lower Upper

85 100

135 71.4 59.0 88.4





#9

Propene

Concen: 9.562 ppbv

RT: 3.02 Instrument: MSVOA_1

Delta R.T. 0.03 min

Lab File: VL0725ABS02 ClientSampleId:

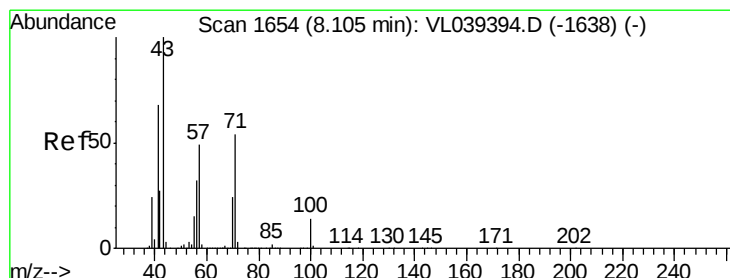
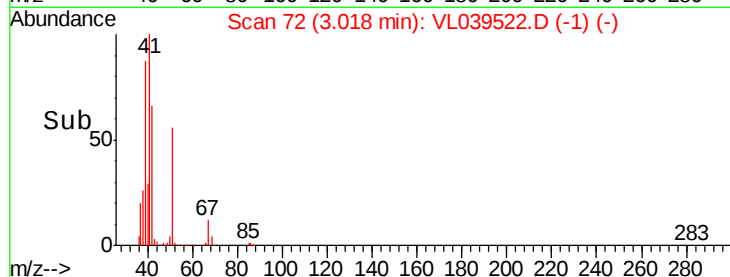
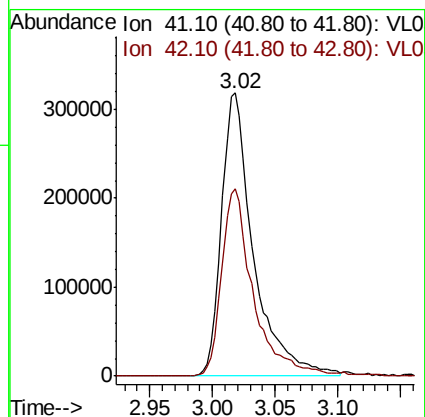
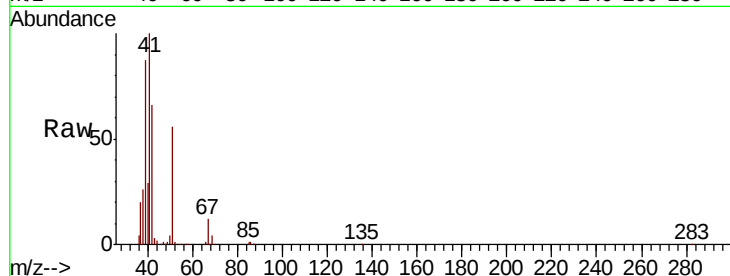
Acq: 25 Jul 2022 18:42

Tot Ion: 41 Resp: 564968

Ion Ratio Lower Upper

41 100

42 66.4 55.2 82.8



#10

Heptane

Concen: 10.503 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. 0.03 min

Lab File: VL039522.D

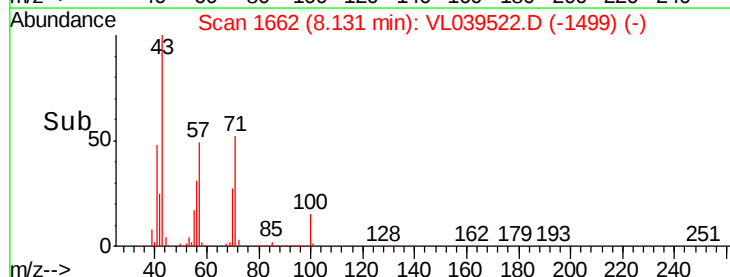
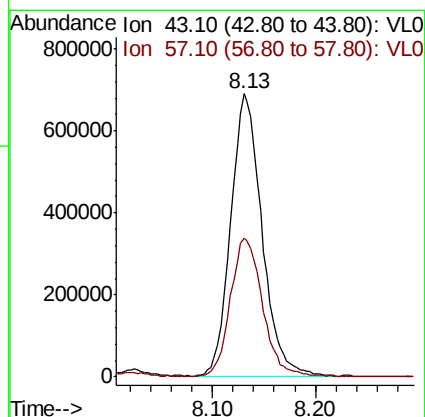
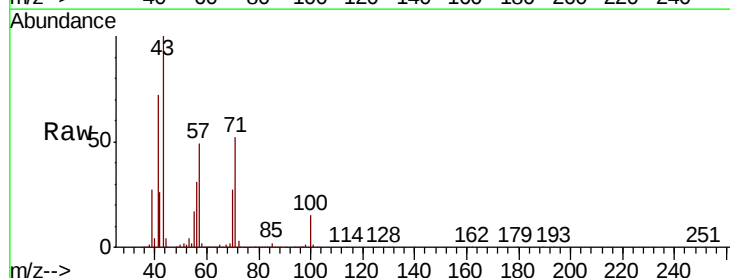
Acq: 25 Jul 2022 18:42

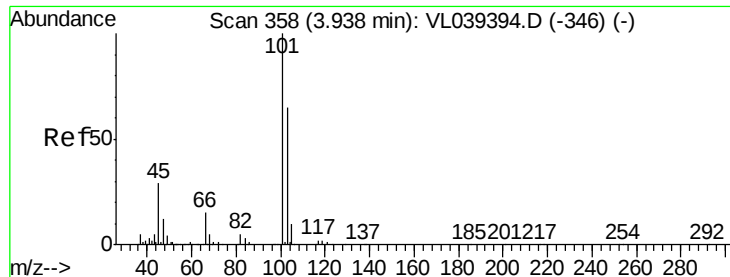
Tgt Ion: 43 Resp: 1453427

Ion Ratio Lower Upper

43 100

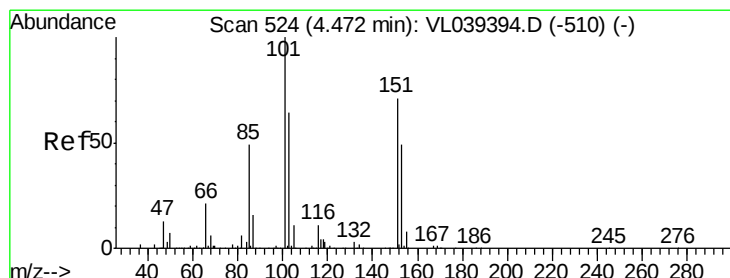
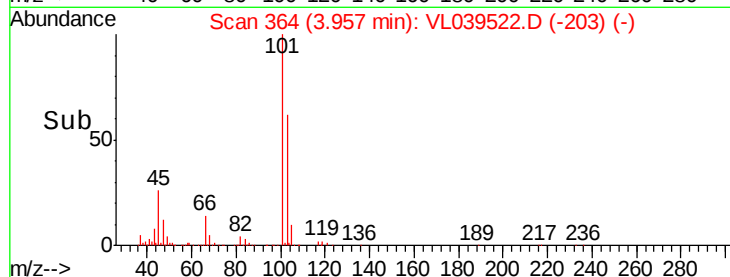
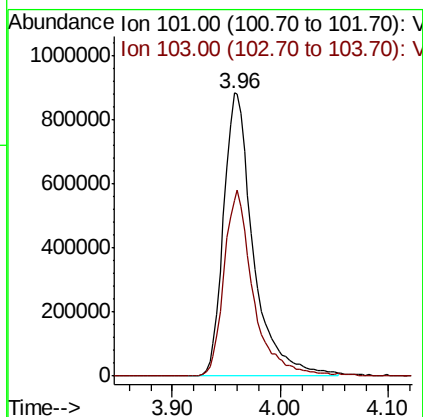
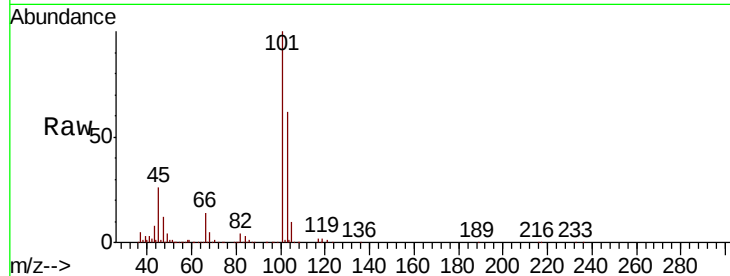
57 51.2 40.5 60.7





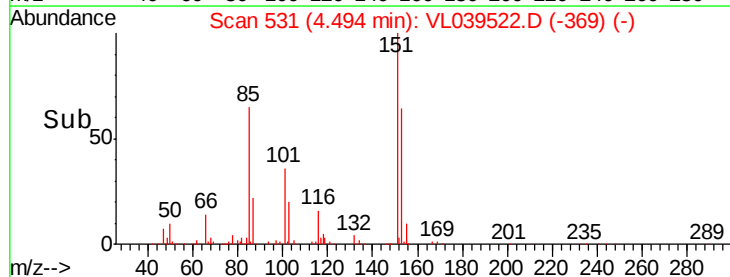
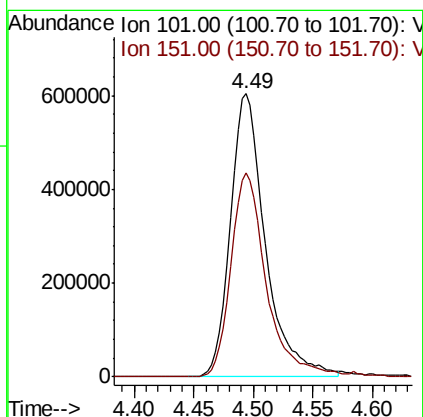
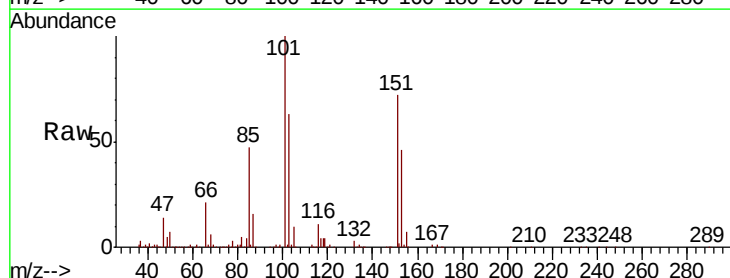
#11
 Trichlorofluoromethane
 Concen: 10.292 ppbv
 RT: 3.96
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VL0725ABS02
 Acq: 25 Jul 2022 18:42

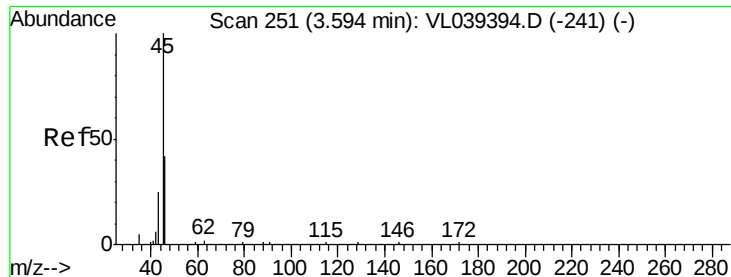
Tot Ion:101 Resp: 1705897
 Ion Ratio Lower Upper
 101 100
 103 62.1 51.8 77.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.974 ppbv
 RT: 4.49 min Scan# 531
 Delta R.T.: 0.02 min
 Lab File: VL039522.D
 Acq: 25 Jul 2022 18:42

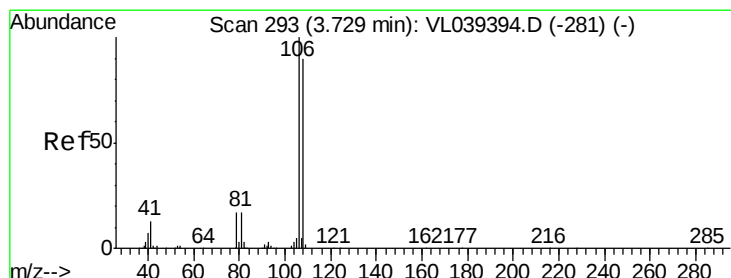
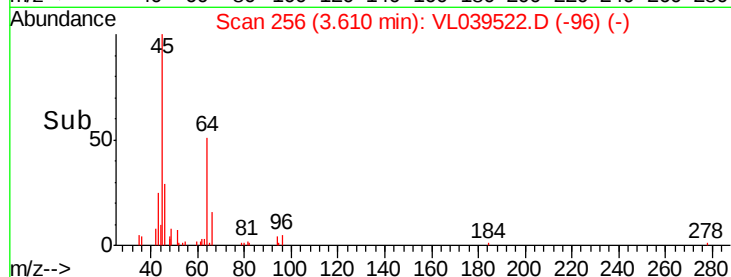
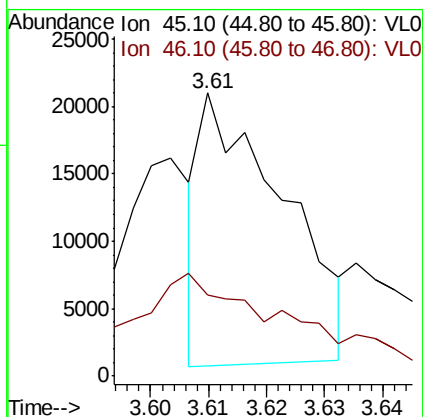
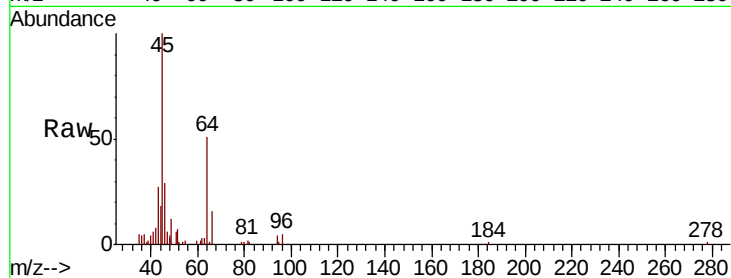
Tgt Ion:101 Resp: 1232476
 Ion Ratio Lower Upper
 101 100
 151 73.8 58.9 88.3





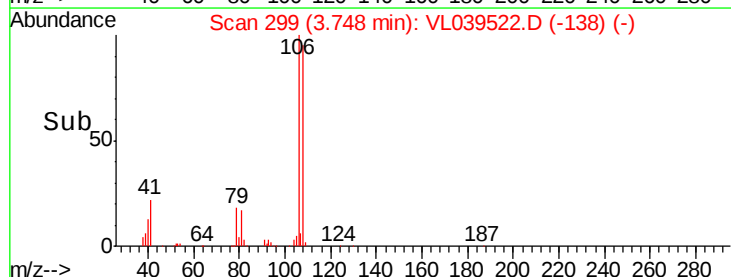
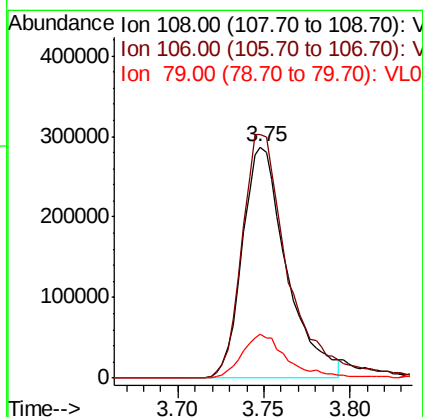
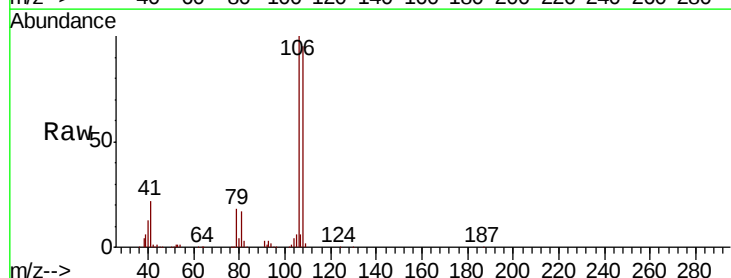
#13
 Ethanol
 Concen: 5.881 ppbv
 RT: 3.61
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0725ABS02
 Acq: 25 Jul 2022 18:42

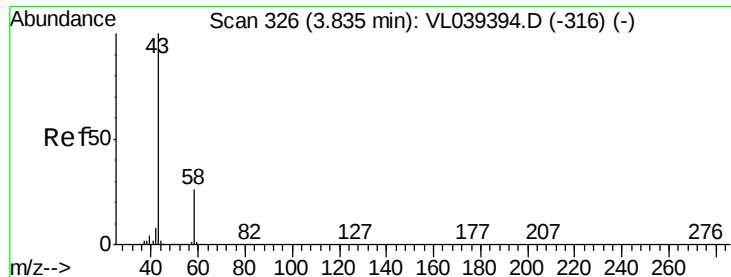
Tot Ion: 45 Resp: 20159
 Ion Ratio Lower Upper
 45 100
 46 87.4 22.8 91.2



#14
 Bromoethene
 Concen: 9.886 ppbv
 RT: 3.75 min Scan# 299
 Delta R.T. 0.02 min
 Lab File: VL039522.D
 Acq: 25 Jul 2022 18:42

Tgt Ion: 108 Resp: 513535
 Ion Ratio Lower Upper
 108 100
 106 112.7 87.1 130.7
 79 20.3 14.6 22.0





#15

Acetone

Concen: 10.341 ppbv

RT: 3.85 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

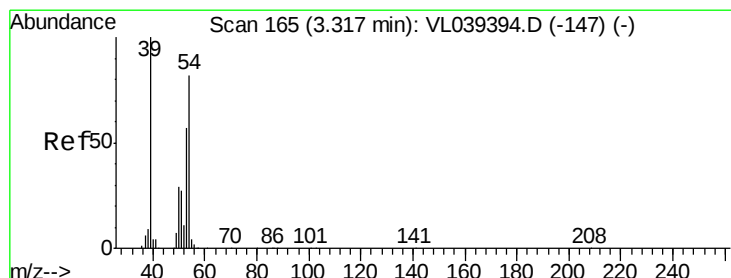
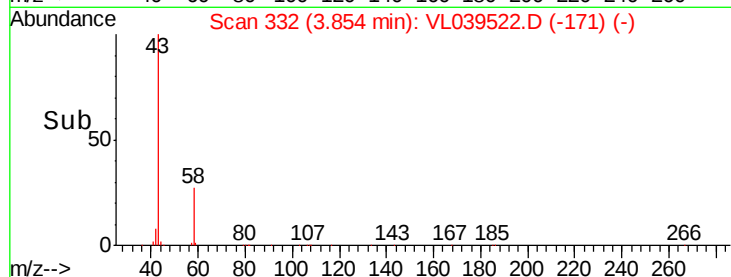
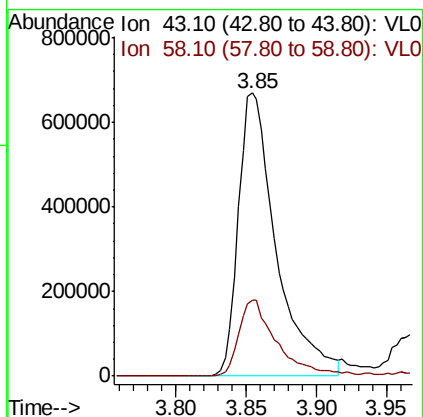
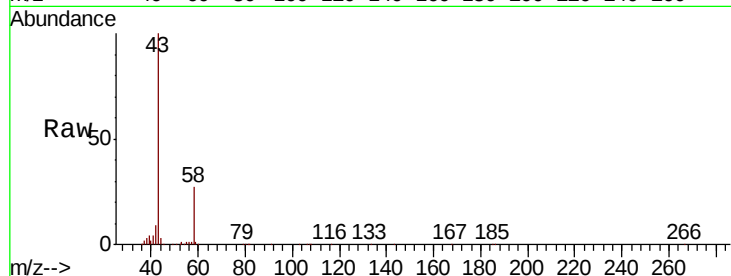
Acq: 25 Jul 2022 18:42 VL0725ABS02

Tot Ion: 43 Resp: 1261629

Ion Ratio Lower Upper

43 100

58 27.1 21.0 31.6



#16

1,3-Butadiene

Concen: 10.388 ppbv

RT: 3.33 min Scan# 170

Delta R.T. 0.02 min

Lab File: VL039522.D

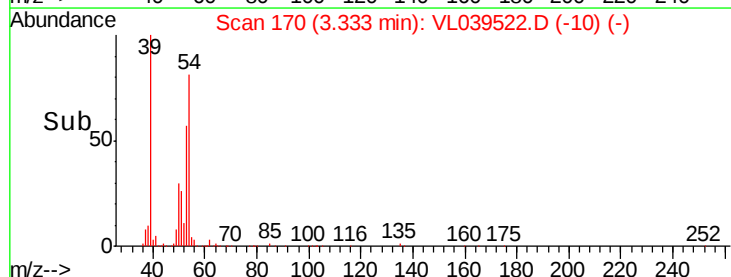
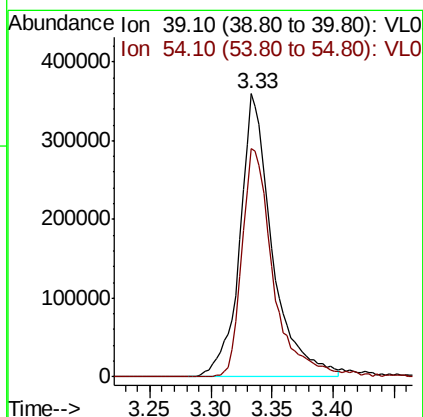
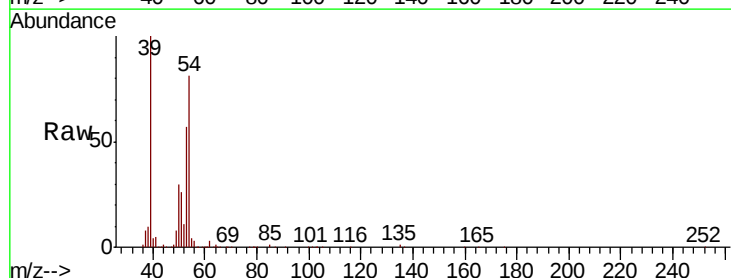
Acq: 25 Jul 2022 18:42

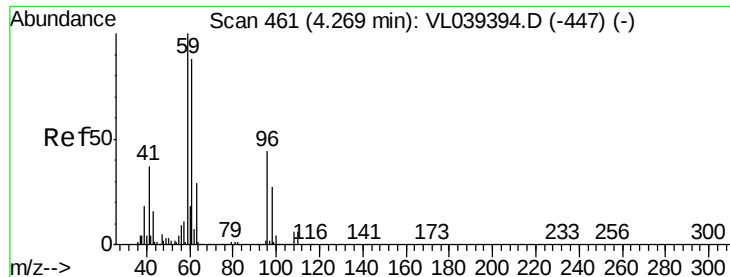
Tgt Ion: 39 Resp: 657565

Ion Ratio Lower Upper

39 100

54 78.7 63.7 95.5





#17

tert-Butyl alcohol

Concen: 11.344 ppbv

RT: 4.29 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

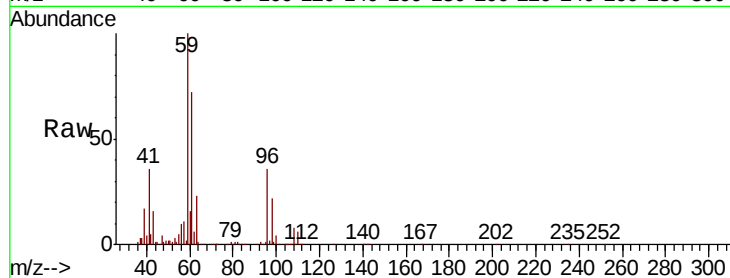
Acq: 25 Jul 2022 18:42

Tot Ion: 59 Resp: 1174706

Ion Ratio Lower Upper

59 100

57 10.7 8.7 13.1



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.29

600000

500000

400000

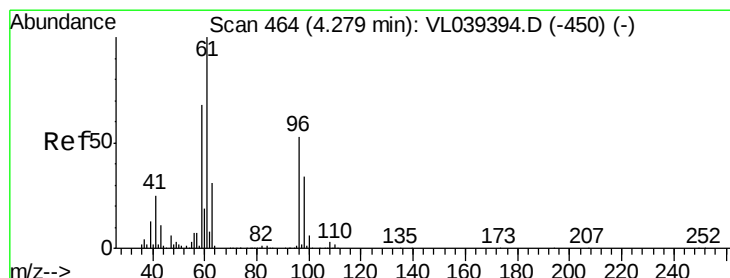
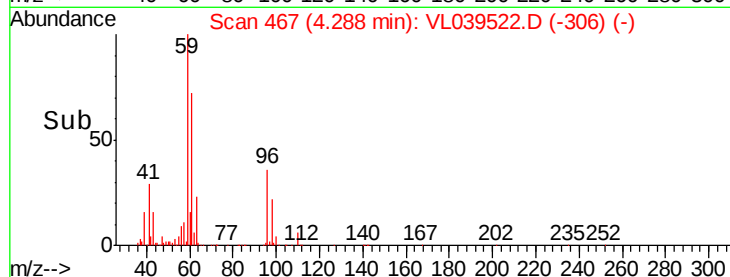
300000

200000

100000

0

Time-->



#18

1,1-Dichloroethene

Concen: 9.782 ppbv

RT: 4.29 min Scan# 469

Delta R.T. 0.02 min

Lab File: VL039522.D

Acq: 25 Jul 2022 18:42

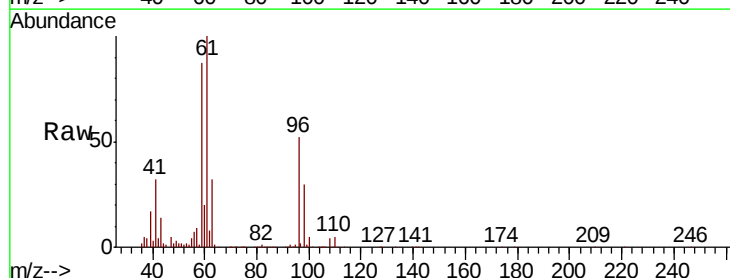
Tgt Ion: 96 Resp: 547587

Ion Ratio Lower Upper

96 100

61 191.2 152.2 228.4

98 58.2 51.8 77.6



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

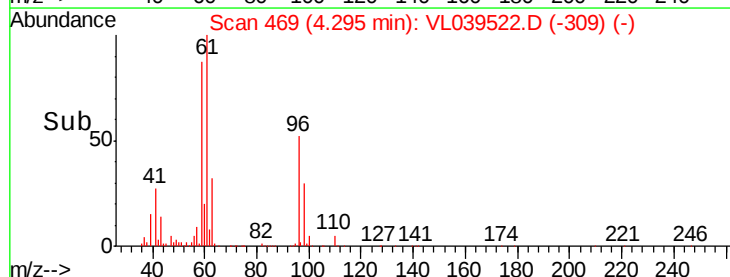
600000

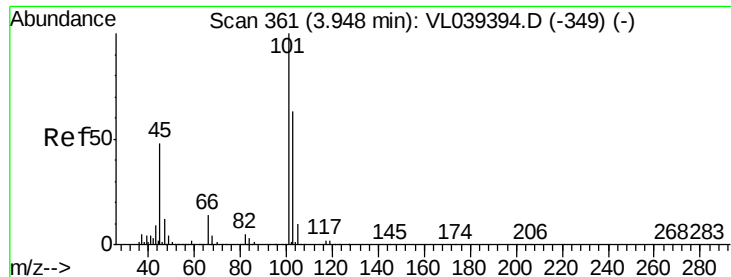
400000

200000

0

Time-->





#19

Isopropyl Alcohol

Concen: 10.571 ppbv

RT: 3.97 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

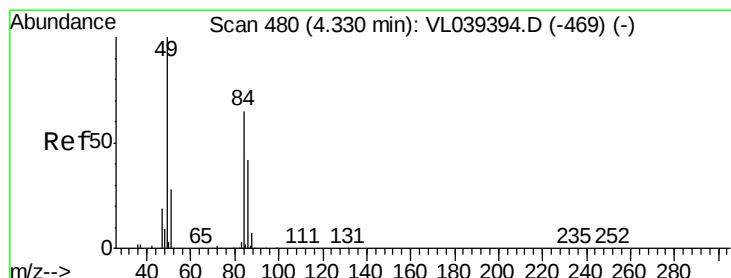
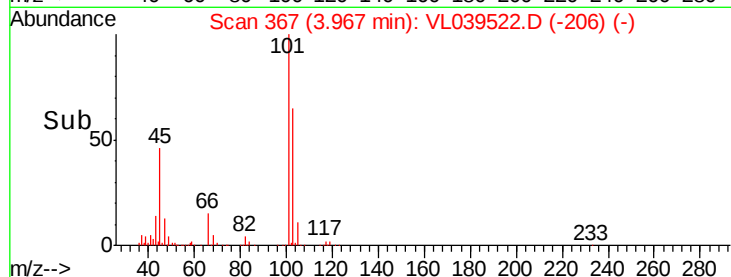
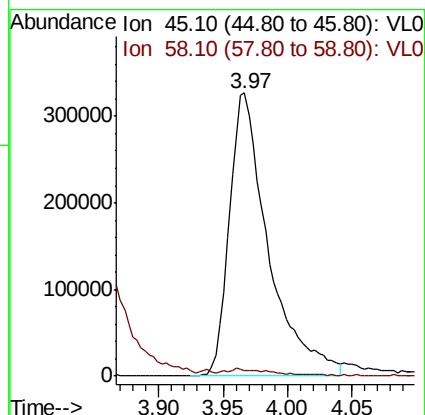
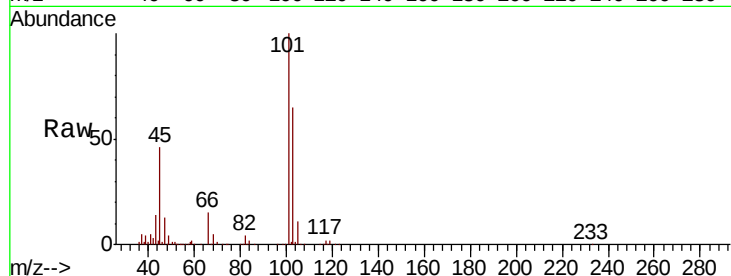
Acq: 25 Jul 2022 18:42 VL0725ABS02

Tot Ion: 45 Resp: 687937

Ion Ratio Lower Upper

45 100

58 3.3 3.2 4.8



#20

Methylene Chloride

Concen: 10.609 ppbv

RT: 4.35 min Scan# 487

Delta R.T. 0.02 min

Lab File: VL039522.D

Acq: 25 Jul 2022 18:42

Tgt Ion: 84 Resp: 515893

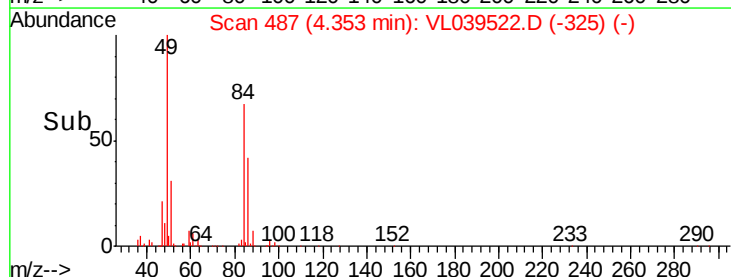
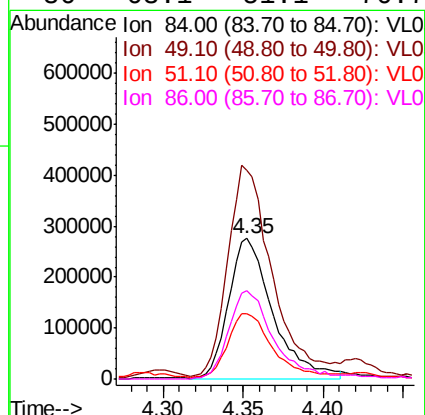
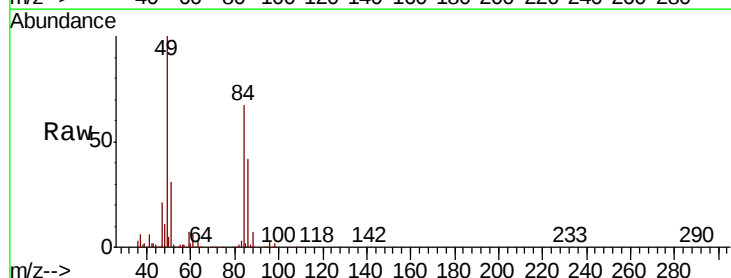
Ion Ratio Lower Upper

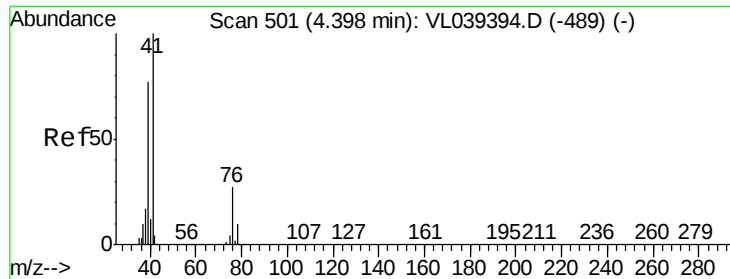
84 100

49 146.9 123.1 184.7

51 45.0 34.4 51.6

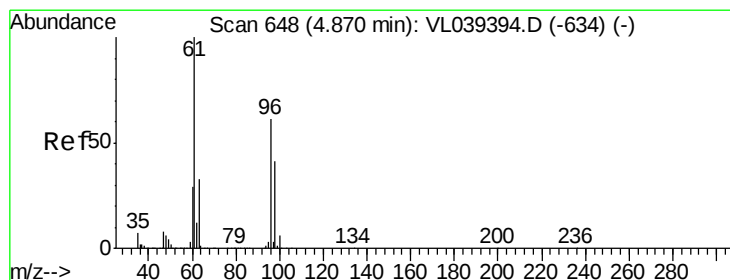
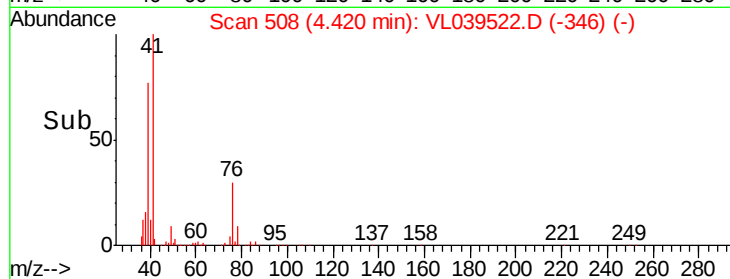
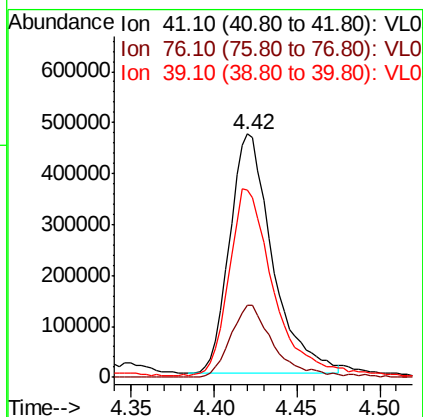
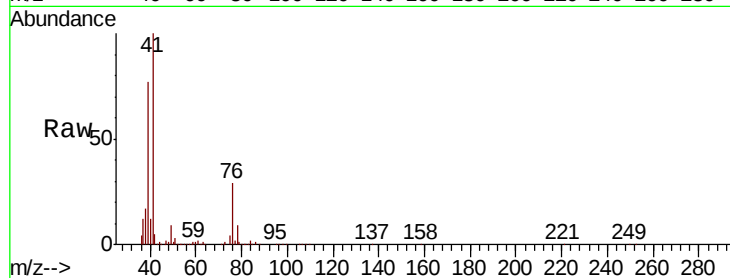
86 63.1 51.1 76.7





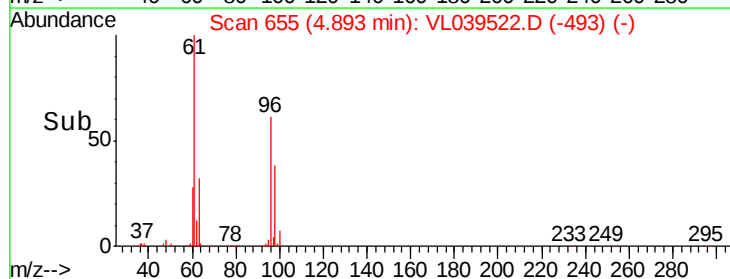
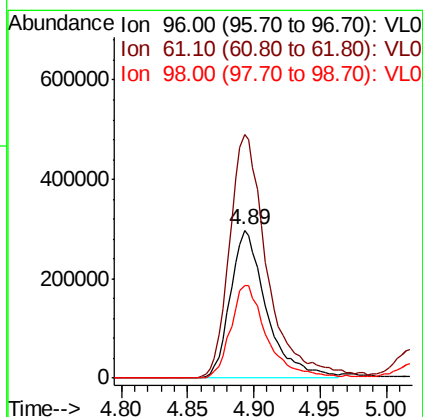
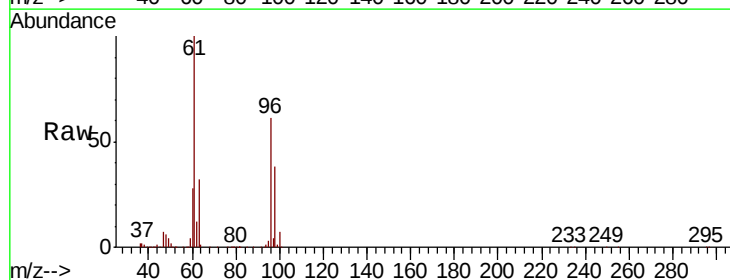
#21
 Allvl Chloride
 Concen: 9.991 ppbv
 RT: 4.42
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0725ABS02
 Acq: 25 Jul 2022 18:42

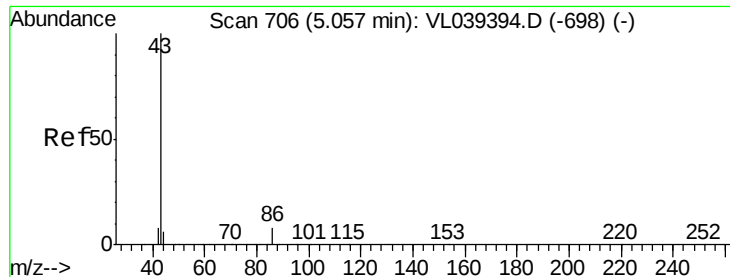
Tot Ion	41.10 (40.80 to 41.80): VL0	Resp	844213
Ion Ratio		Lower	Upper
41	100		
76	31.3	24.4	36.6
39	82.8	63.5	95.3



#22
 trans-1,2-Dichloroethene
 Concen: 10.444 ppbv
 RT: 4.89 min Scan# 655
 Delta R.T. 0.02 min
 Lab File: VL039522.D
 Acq: 25 Jul 2022 18:42

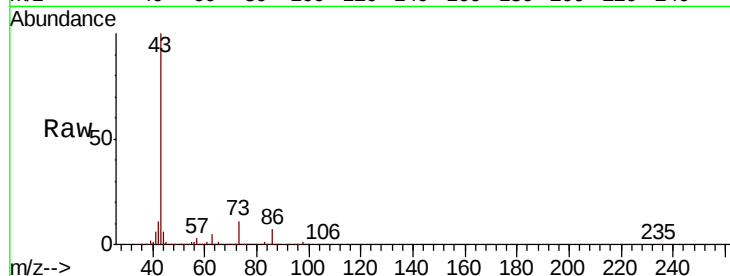
Tgt Ion	96.00 (95.70 to 96.70): VL0	Resp	565949
Ion Ratio		Lower	Upper
96	100		
61	164.6	130.6	195.8
98	62.3	53.4	80.0



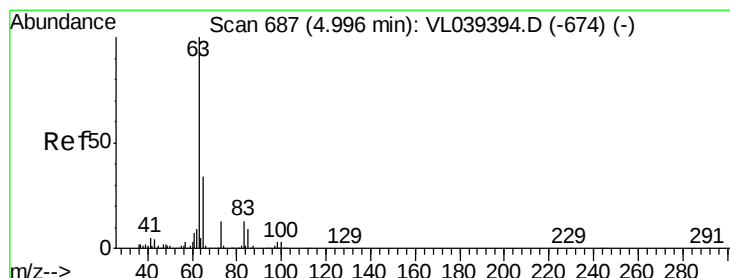
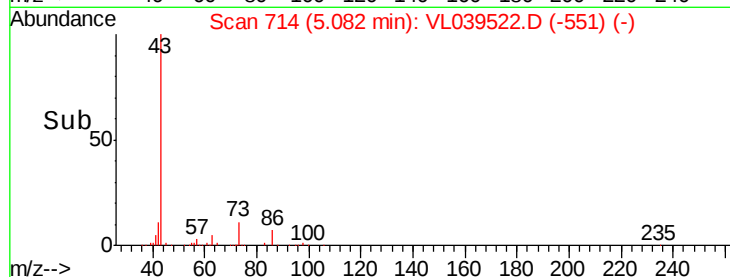
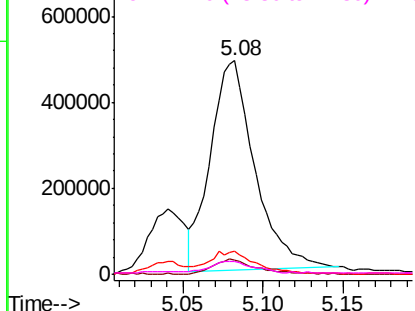


#23
 Vinyl Acetate
 Concen: 11.480 ppbv
 RT: 5.08
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VL0725ABS02
 Acq: 25 Jul 2022 18:42

Tot Ion:	43	Resp:	936042
Ion	Ratio	Lower	Upper
43	100		
86	6.8	5.0	7.6
42	10.4	7.7	11.5
44	5.5	4.6	7.0

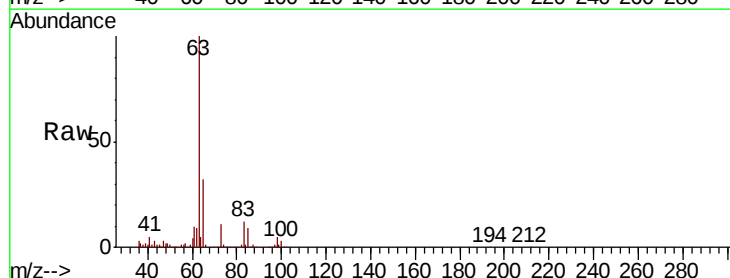


Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 86.10 (85.80 to 86.80): VL0
 Ion 42.10 (41.80 to 42.80): VL0
 Ion 44.10 (43.80 to 44.80): VL0

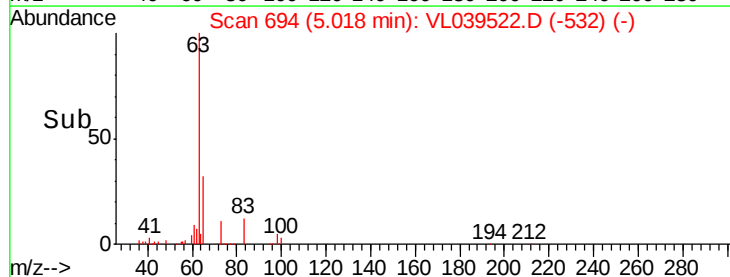
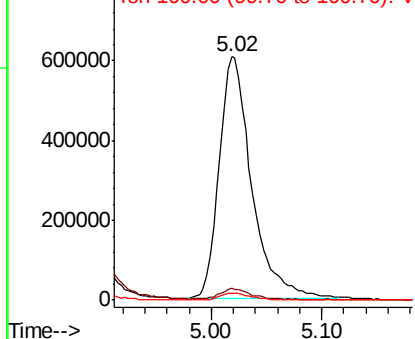


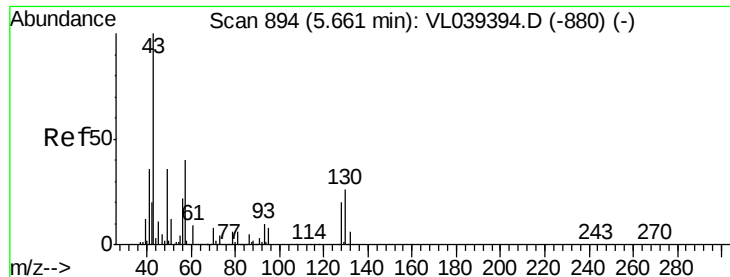
#24
 1,1-Dichloroethane
 Concen: 10.859 ppbv
 RT: 5.02 min Scan# 694
 Delta R.T.: 0.02 min
 Lab File: VL039522.D
 Acq: 25 Jul 2022 18:42

Tgt Ion:	63	Resp:	1250428
Ion	Ratio	Lower	Upper
63	100		
98	4.5	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

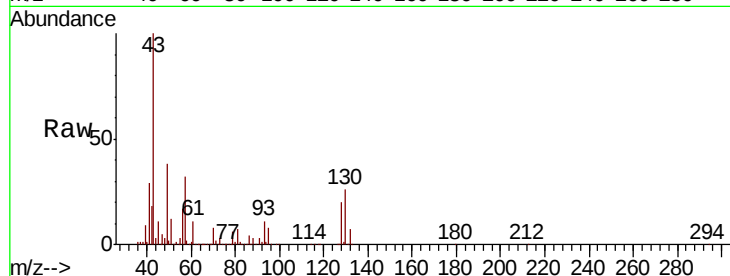




#25
Ethyl Acetate
Concen: 10.800 ppbv
RT: 5.68 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0725ABS02
Acq: 25 Jul 2022 18:42

Tot Ion: 43 Resp: 2701846

Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.2	12.4
61	9.7	8.3	12.5
70	7.2	5.9	8.9



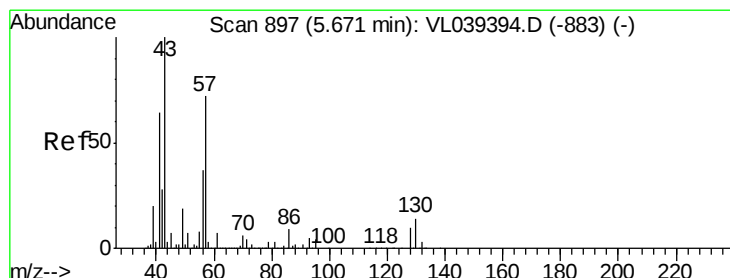
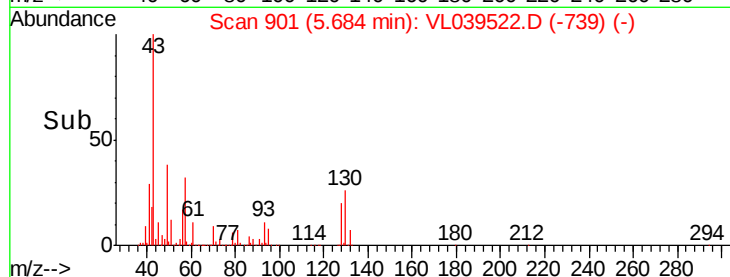
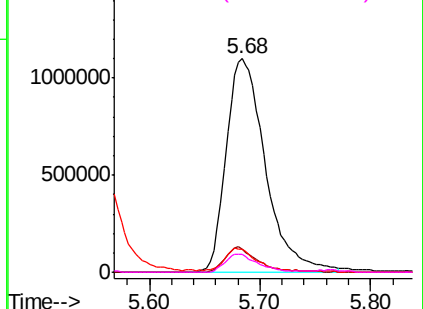
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

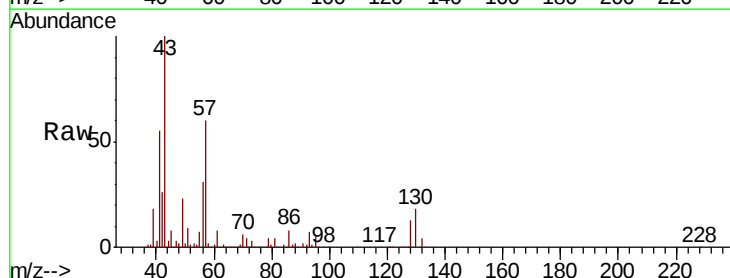
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 11.603 ppbv
RT: 5.69 min Scan# 904
Delta R.T.: 0.02 min
Lab File: VL039522.D
Acq: 25 Jul 2022 18:42

Tgt Ion: 57 Resp: 1170030

Ion	Ratio	Lower	Upper
57	100		
41	95.7	76.9	115.3
43	234.9	191.0	286.6
56	53.5	43.2	64.8



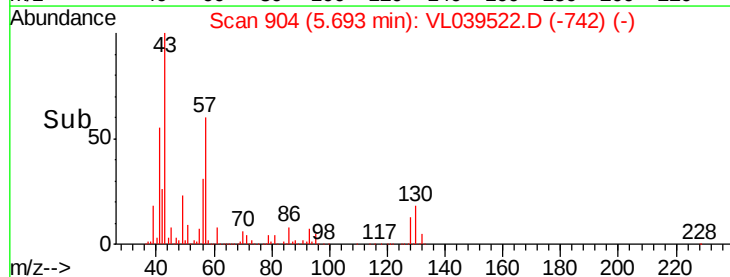
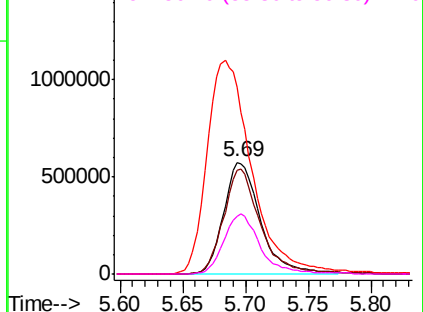
Abundance

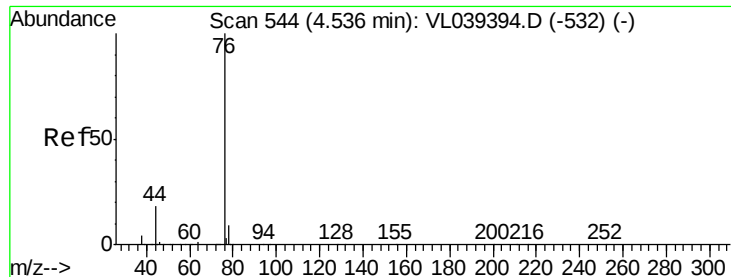
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 11.043 ppbv

RT: 4.56 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Jul 2022 18:42 VL0725ABS02

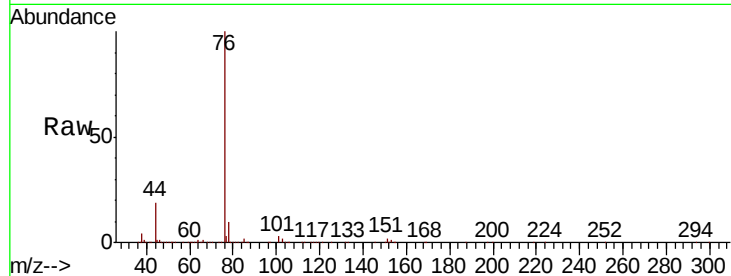
Tot Ion: 76 Resp: 1344092

Ion Ratio Lower Upper

76 100

44 18.5 14.6 21.8

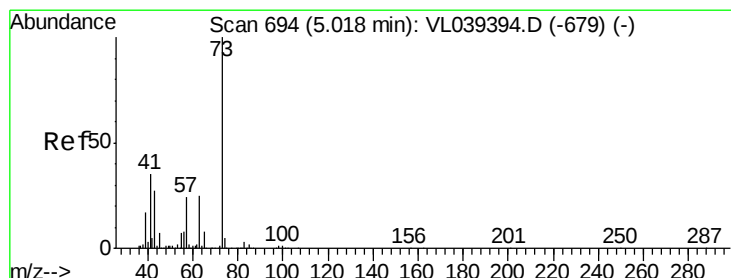
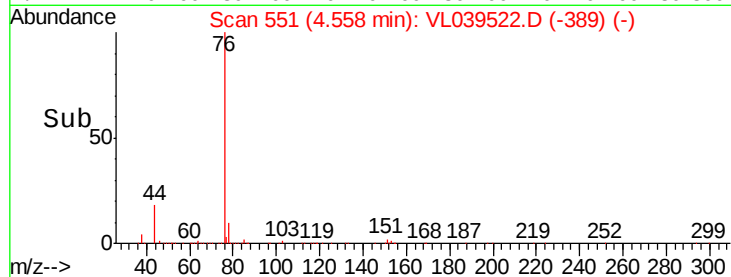
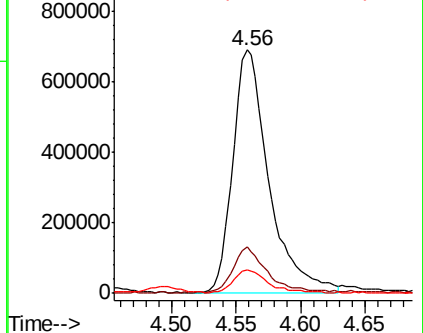
78 9.4 7.8 11.6



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: 11.091 ppbv

RT: 5.04 min Scan# 702

Delta R.T. 0.03 min

Lab File: VL039522.D

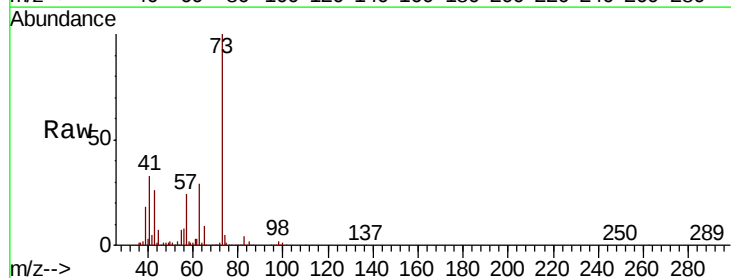
Acq: 25 Jul 2022 18:42

Tgt Ion: 73 Resp: 1195826

Ion Ratio Lower Upper

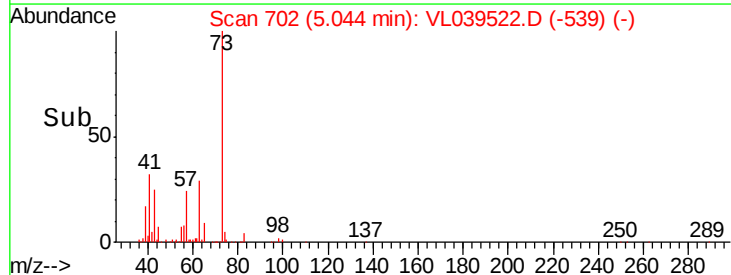
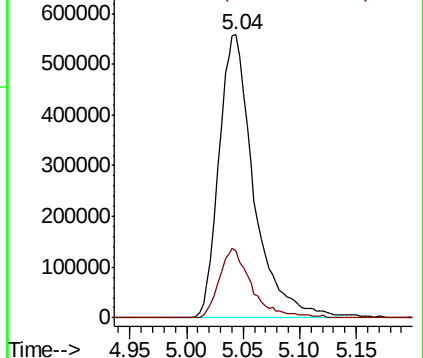
73 100

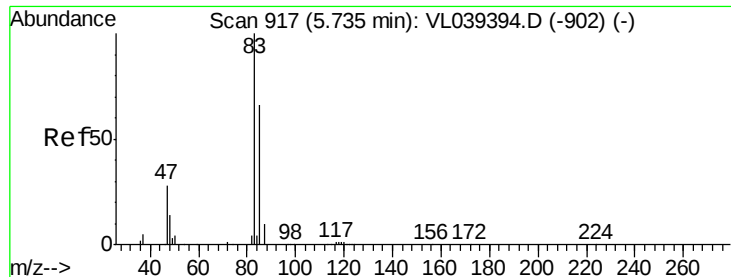
57 23.4 19.8 29.8



Abundance Ion 73.10 (72.80 to 73.80): VL0

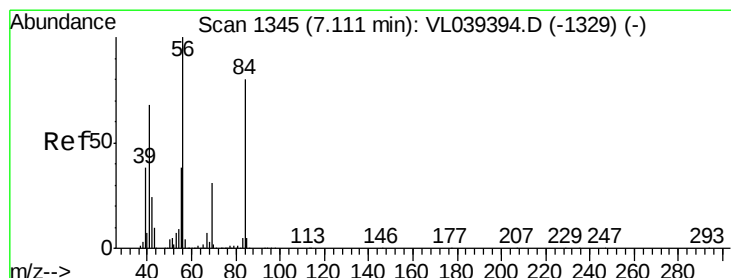
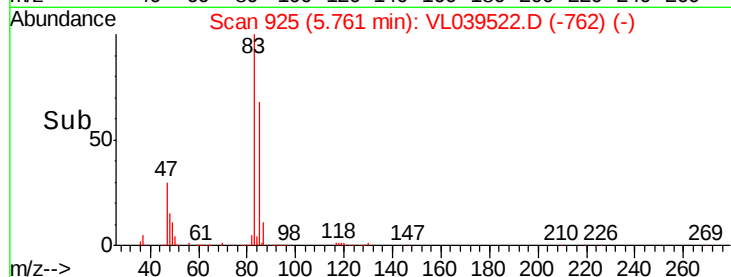
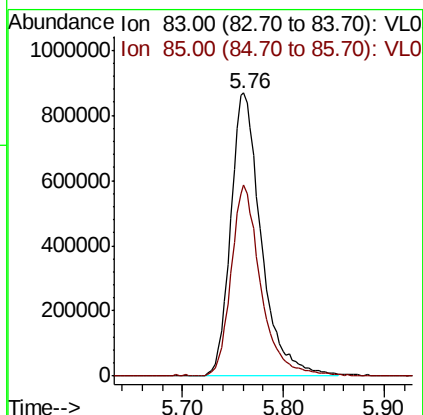
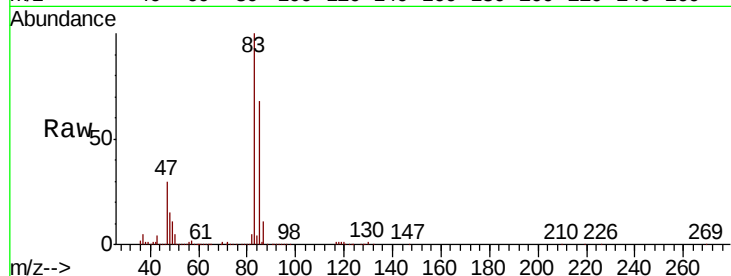
Ion 57.10 (56.80 to 57.80): VL0





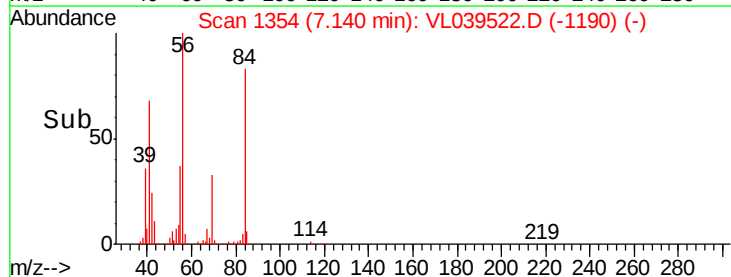
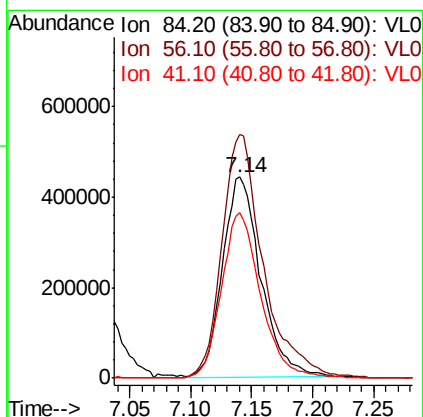
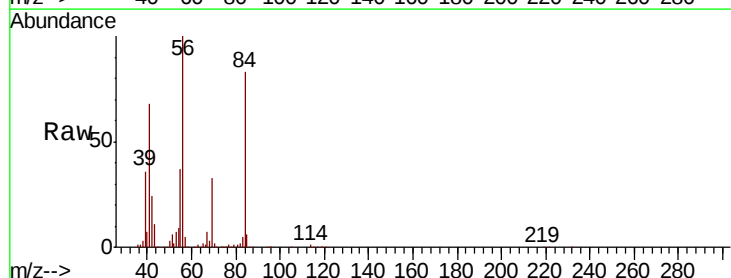
#29
Chloroform
Concen: 10.455 ppbv
RT: 5.76
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 25 Jul 2022 18:42

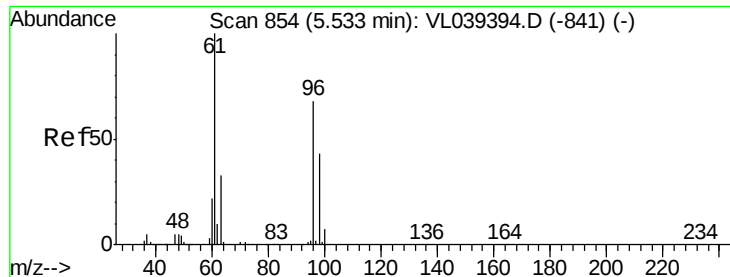
Tot Ion: 83 Resp: 1833218
Ion Ratio Lower Upper
83 100
85 67.4 52.8 79.2



#30
Cyclohexane
Concen: 10.556 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. 0.03 min
Lab File: VL039522.D
Acq: 25 Jul 2022 18:42

Tgt Ion: 84 Resp: 969090
Ion Ratio Lower Upper
84 100
56 132.0 107.7 161.5
41 85.2 67.7 101.5





#31

cis-1,2-Dichloroethene

Concen: 10.493 ppbv

RT: 5.56 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 25 Jul 2022 18:42 VL0725ABS02

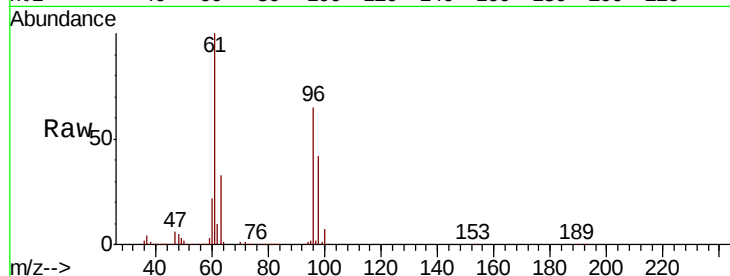
Tot Ion: 61 Resp: 1122658

Ion Ratio Lower Upper

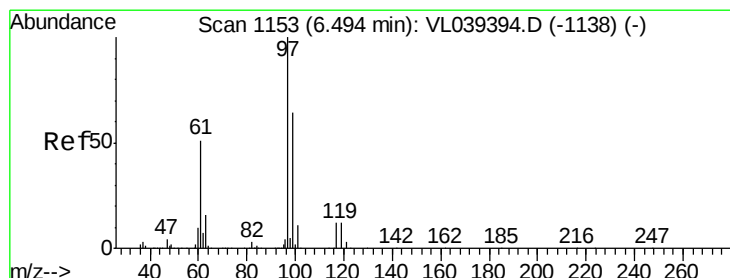
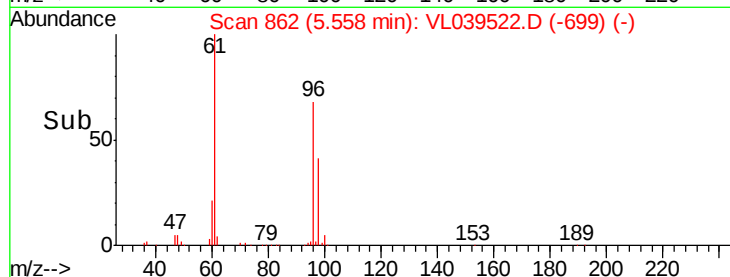
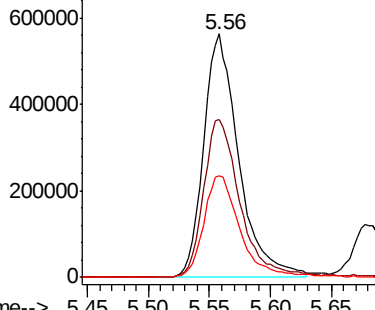
61 100

96 64.6 54.1 81.1

98 41.7 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: 10.701 ppbv

RT: 6.52 min Scan# 1161

Delta R.T. 0.03 min

Lab File: VL039522.D

Acq: 25 Jul 2022 18:42

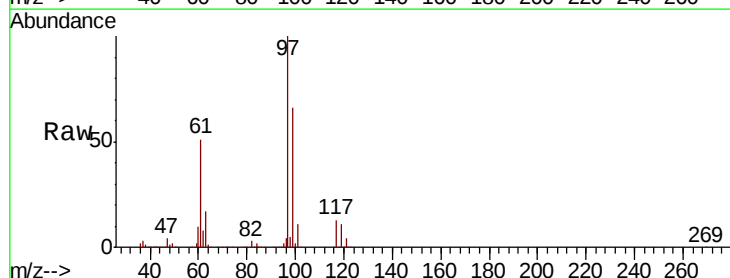
Tgt Ion: 97 Resp: 1852007

Ion Ratio Lower Upper

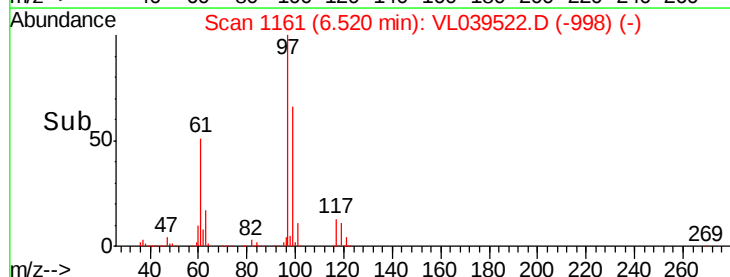
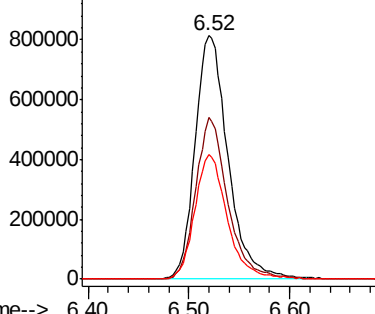
97 100

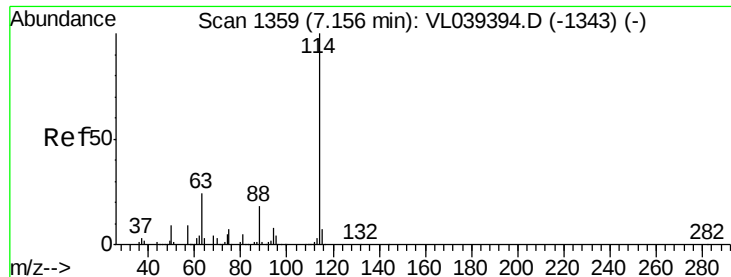
99 64.7 52.3 78.5

61 50.6 40.9 61.3



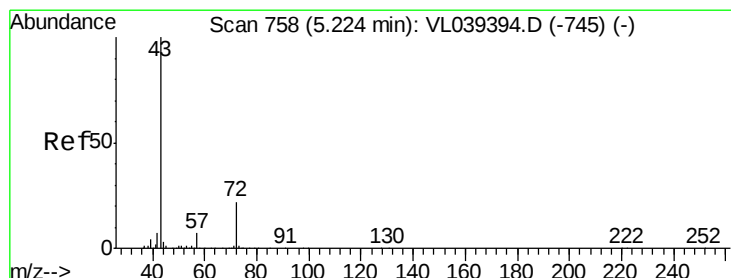
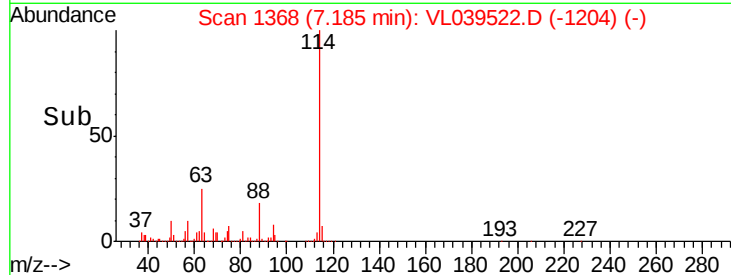
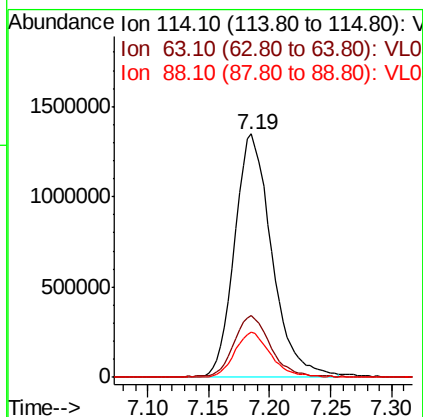
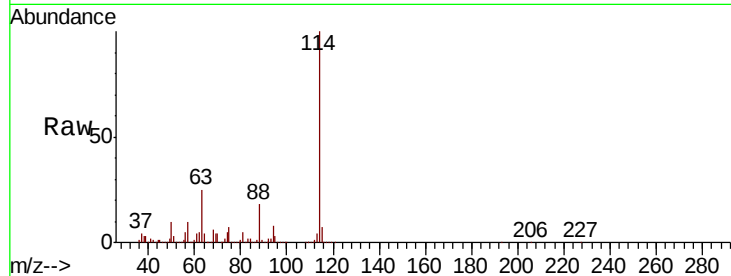
Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0





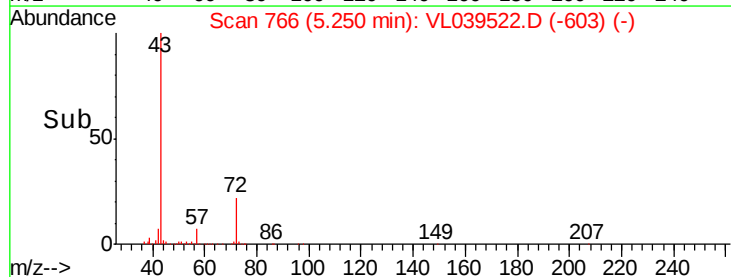
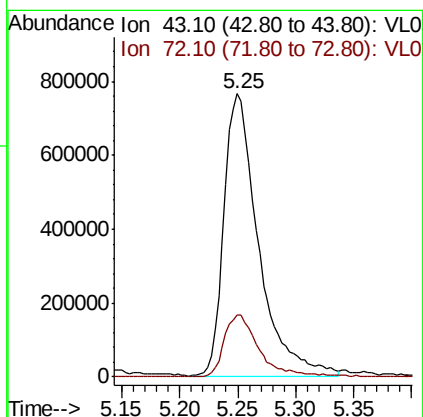
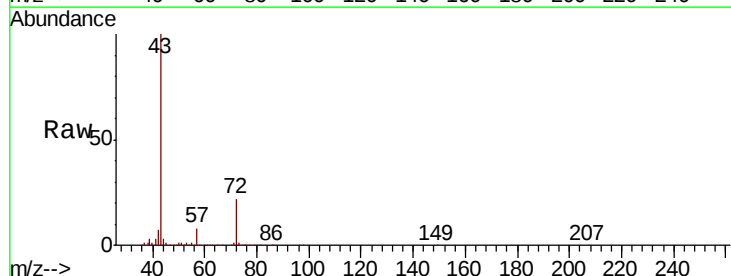
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0725ABS02
 Acq: 25 Jul 2022 18:42

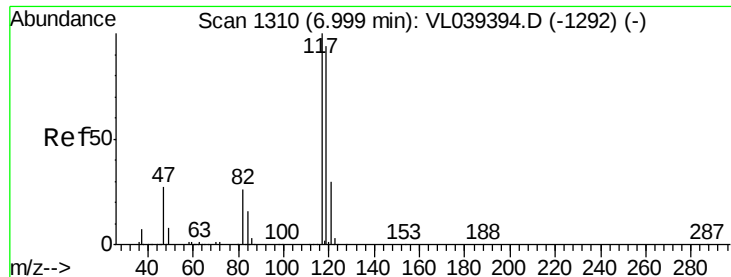
Tot Ion:114 Resp: 2853957
 Ion Ratio Lower Upper
 114 100
 63 25.4 20.2 30.4
 88 18.0 14.5 21.7



#34
 2-Butanone
 Concen: 10.974 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T. 0.03 min
 Lab File: VL039522.D
 Acq: 25 Jul 2022 18:42

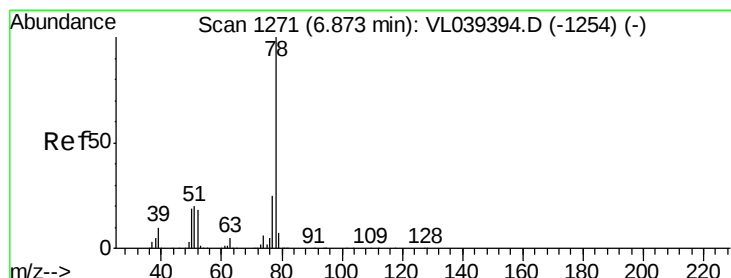
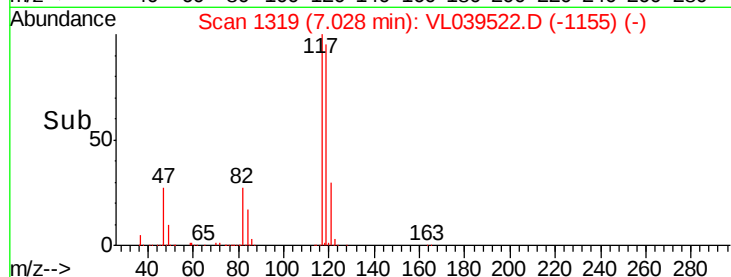
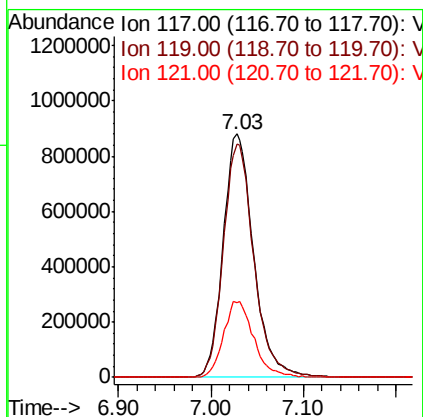
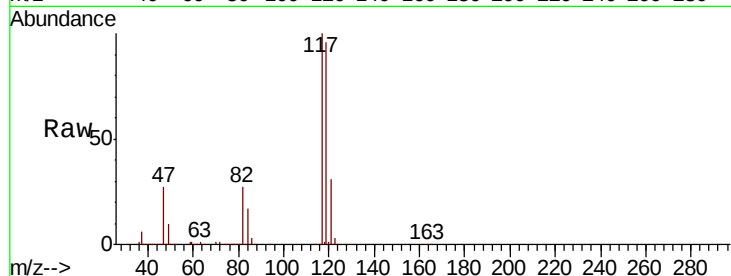
Tgt Ion: 43 Resp: 1576555
 Ion Ratio Lower Upper
 43 100
 72 22.5 17.9 26.9





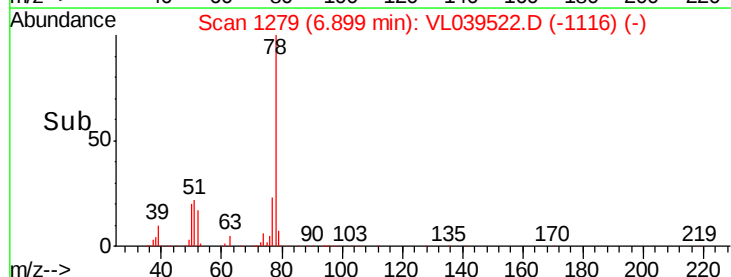
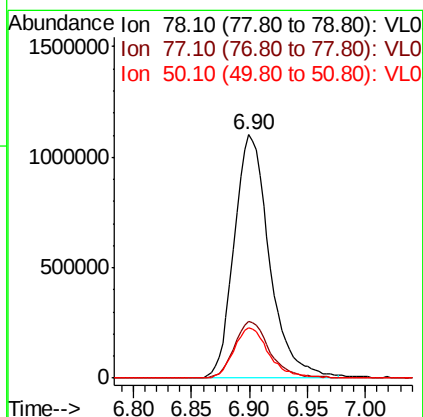
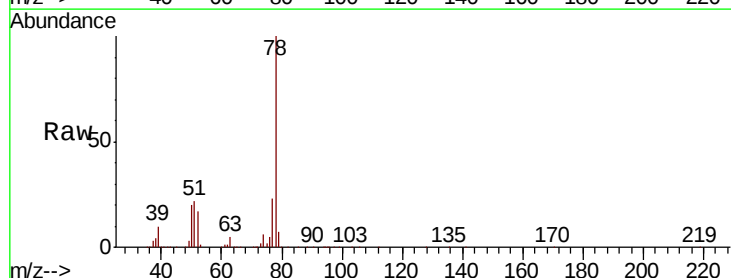
#35
Carbon Tetrachloride
Concen: 11.348 ppbv
RT: 7.03
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
VL0725ABS02
Acq: 25 Jul 2022 18:42

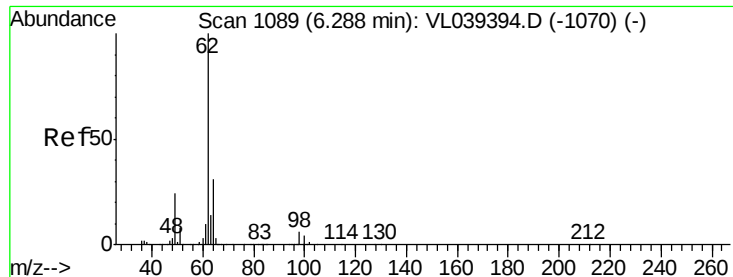
Tot Ion:117 Resp: 2001149
Ion Ratio Lower Upper
117 100
119 95.6 75.4 113.2
121 30.6 24.2 36.2



#36
Benzene
Concen: 10.564 ppbv
RT: 6.90 min Scan# 1279
Delta R.T.: 0.03 min
Lab File: VL039522.D
Acq: 25 Jul 2022 18:42

Tgt Ion: 78 Resp: 2333411
Ion Ratio Lower Upper
78 100
77 23.4 20.3 30.5
50 20.4 15.5 23.3





#37

1,2-Dichloroethane

Concen: 10.854 ppbv

RT: 6.32 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

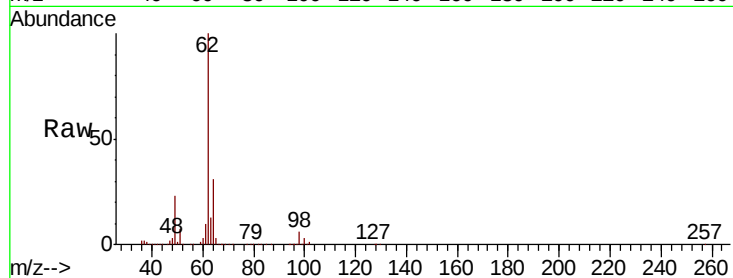
Acq: 25 Jul 2022 18:42 VL0725ABS02

Tot Ion: 62 Resp: 1415057

Ion Ratio Lower Upper

62 100

98 6.0 5.1 7.7



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

6.32

800000

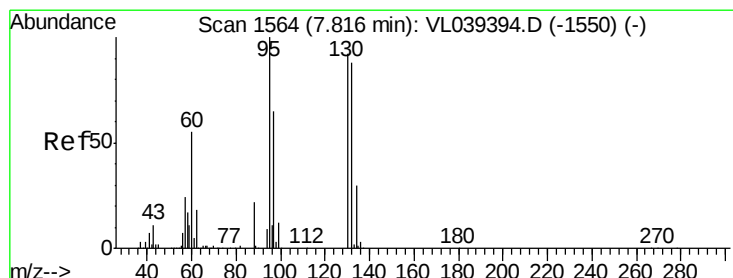
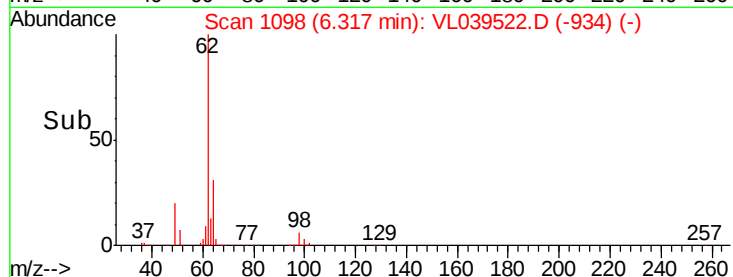
600000

400000

200000

0

Time--> 6.20 6.30 6.40



#38

Trichloroethene

Concen: 10.823 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. 0.03 min

Lab File: VL039522.D

Acq: 25 Jul 2022 18:42

Tgt Ion:130 Resp: 1292987

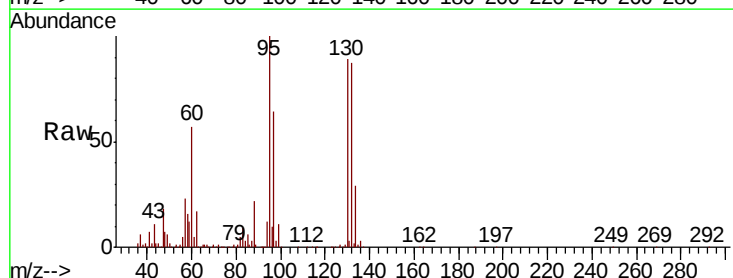
Ion Ratio Lower Upper

130 100

95 111.9 87.3 130.9

132 97.0 76.7 115.1

97 71.9 56.5 84.7



Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0

1000000

800000

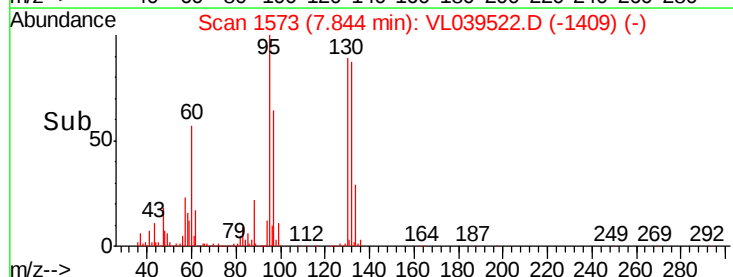
600000

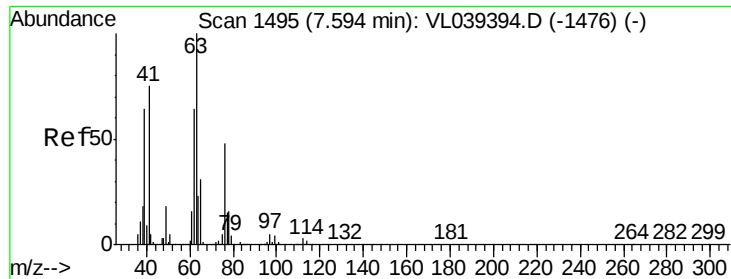
400000

200000

0

Time--> 7.80 7.90





#39

1,2-Dichloropropane

Concen: 10.569 ppbv

RT: 7.62 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Jul 2022 18:42 VL0725ABS02

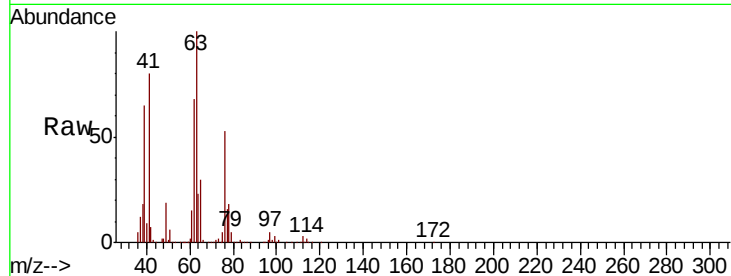
Tot Ion: 63 Resp: 872140

Ion Ratio Lower Upper

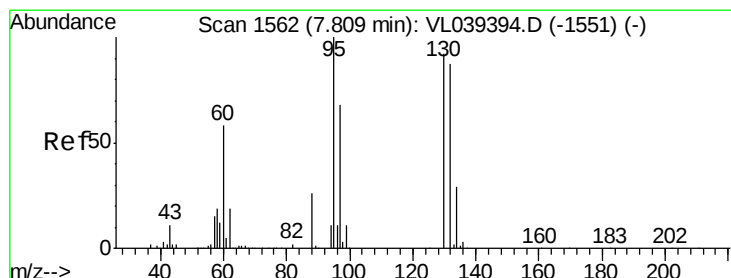
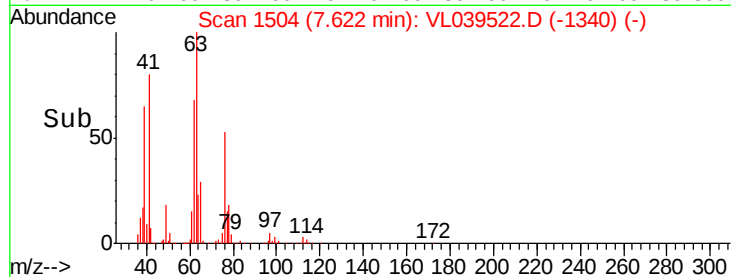
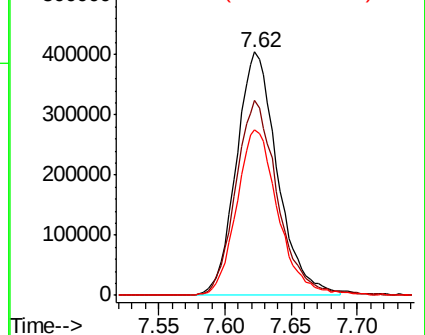
63 100

41 80.2 59.6 89.4

62 68.1 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: 11.008 ppbv

RT: 7.84 min Scan# 1571

Delta R.T. 0.03 min

Lab File: VL039522.D

Acq: 25 Jul 2022 18:42

Tgt Ion: 88 Resp: 361970

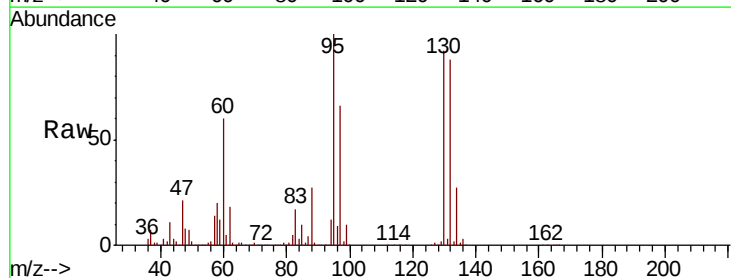
Ion Ratio Lower Upper

88 100

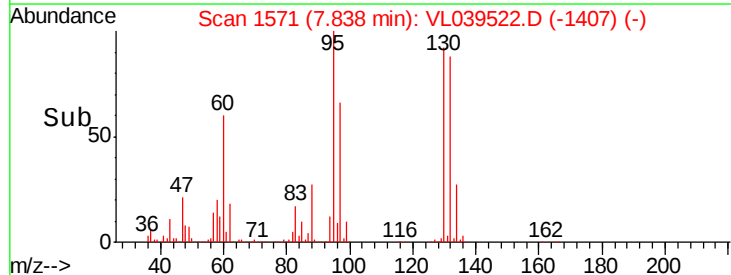
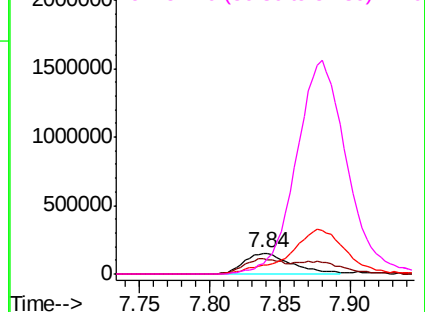
58 124.0 100.2 150.4

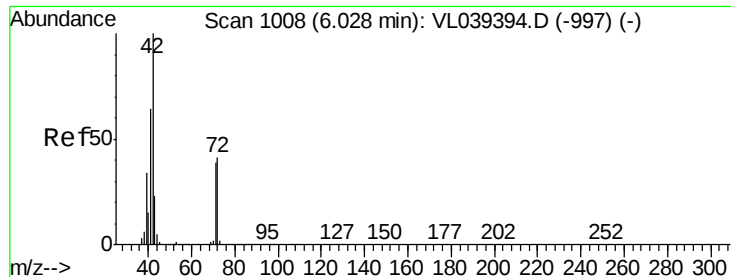
43 252.3 205.8 308.6

57 1085.3 879.1 1318.7



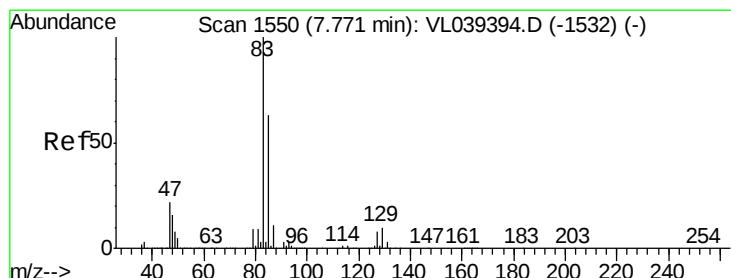
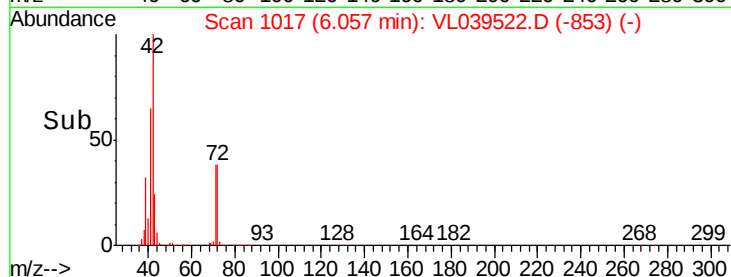
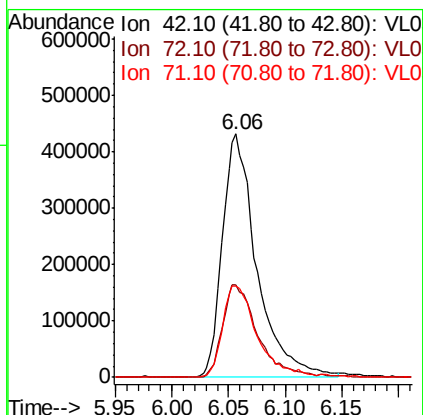
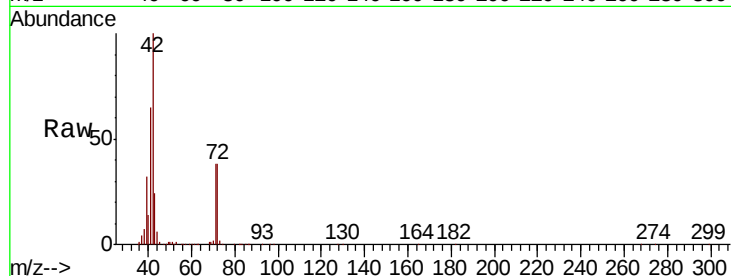
Abundance Ion 88.10 (87.80 to 88.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





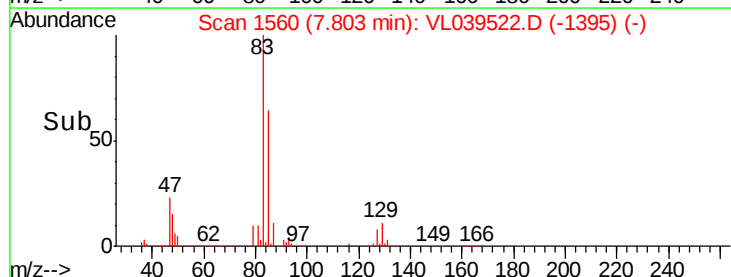
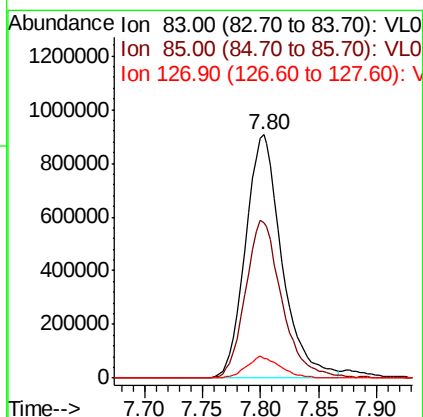
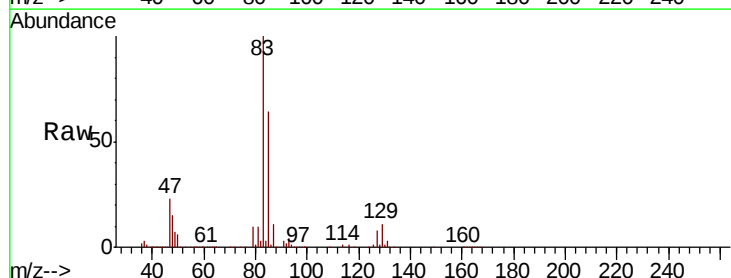
#41
Tetrahydrofuran
Concen: 10.960 ppbv
RT: 6.06
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 25 Jul 2022 18:42

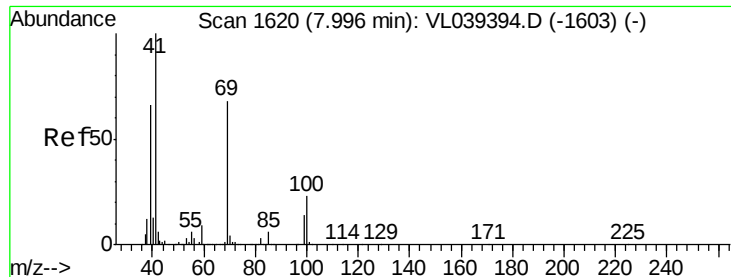
Tot Ion	Ratio	Lower	Upper
42	100		
72	39.8	31.8	47.8
71	38.8	31.8	47.8



#42
Bromodichloromethane
Concen: 11.282 ppbv
RT: 7.80 min Scan# 1560
Delta R.T.: 0.03 min
Lab File: VL039522.D
Acq: 25 Jul 2022 18:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	50.7	76.1
127	7.8	6.6	9.8





#43

Methyl Methacrylate

Concen: 11.137 ppbv

RT: 8.02

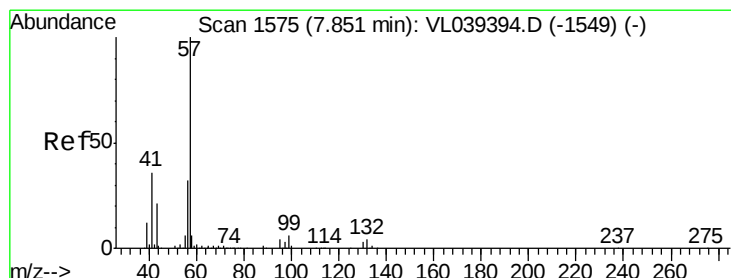
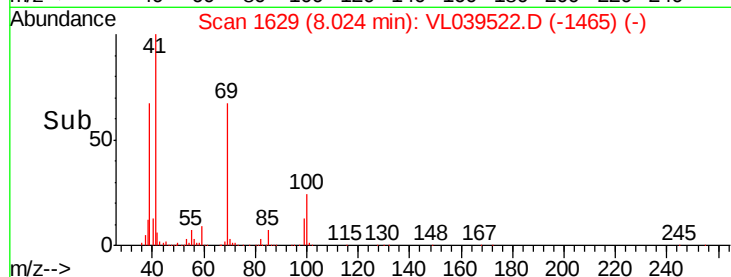
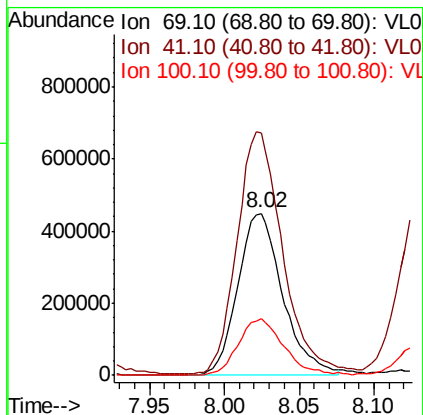
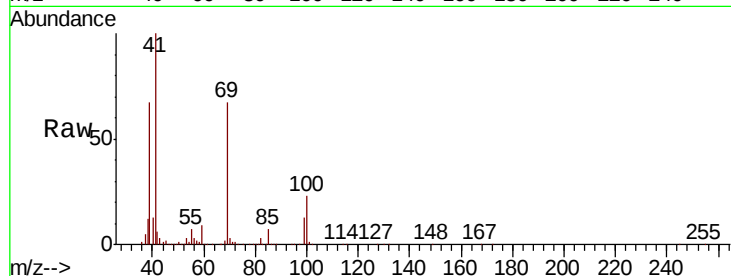
Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL0725ABS02

Acq: 25 Jul 2022 18:42

Tot Ion	69	Resp	935374
Ion Ratio	Lower	Upper	
69	100		
41	154.2	120.8	181.2
100	35.5	27.8	41.6



#44

2,2,4-Trimethylpentane

Concen: 10.479 ppbv

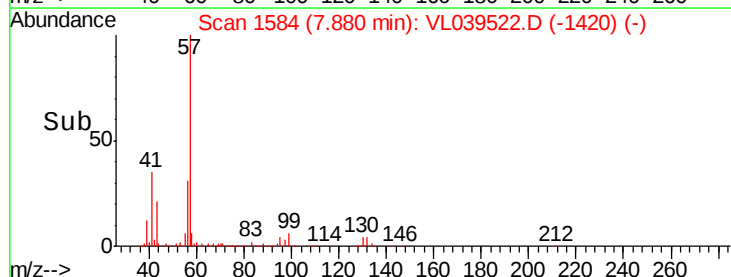
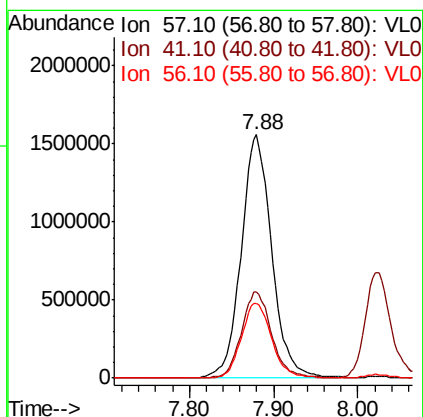
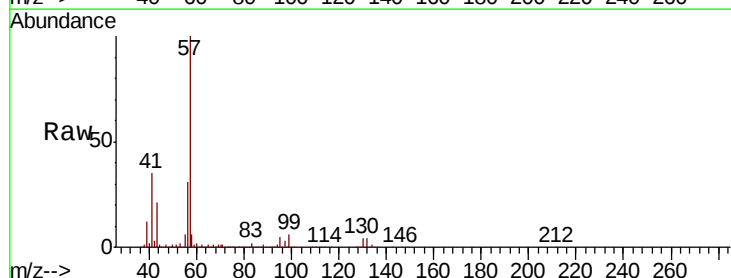
RT: 7.88 min Scan# 1584

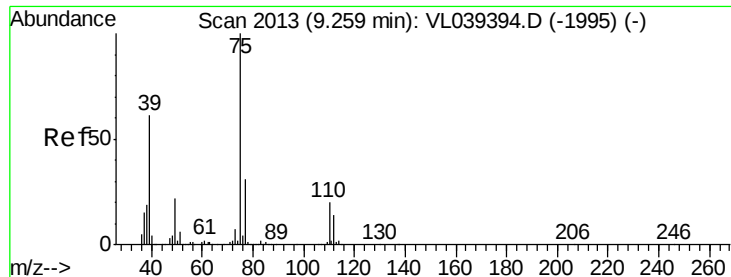
Delta R.T. 0.03 min

Lab File: VL039522.D

Acq: 25 Jul 2022 18:42

Tgt Ion	57	Resp	3922345
Ion Ratio	Lower	Upper	
57	100		
41	35.1	27.4	41.2
56	30.7	24.5	36.7





#45

t-1,3-Dichloropropene

Concen: 13.366 ppbv

RT: 9.28 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId: VL0725ABS02

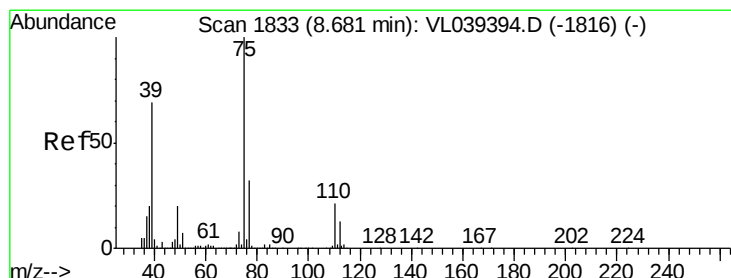
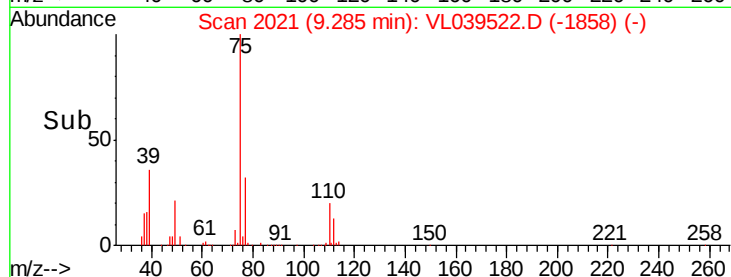
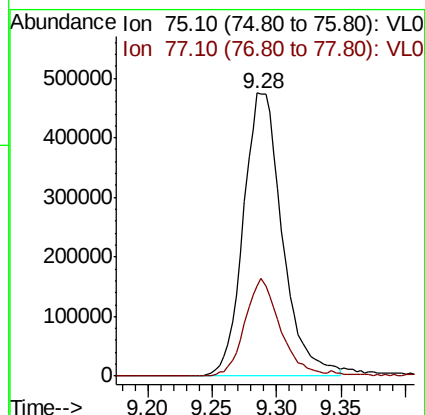
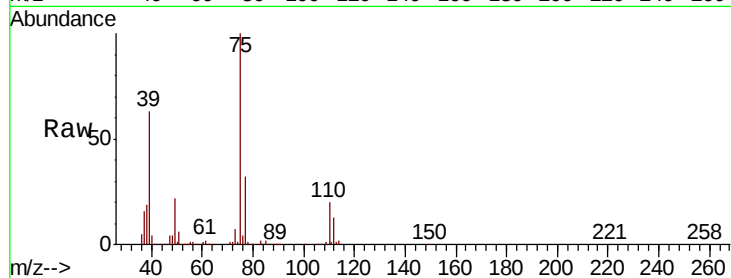
Acq: 25 Jul 2022 18:42

Tot Ion: 75 Resp: 999481

Ion Ratio Lower Upper

75 100

77 31.9 24.6 36.8



#46

cis-1,3-Dichloropropene

Concen: 12.403 ppbv

RT: 8.71 min Scan# 1842

Delta R.T. 0.03 min

Lab File: VL039522.D

Acq: 25 Jul 2022 18:42

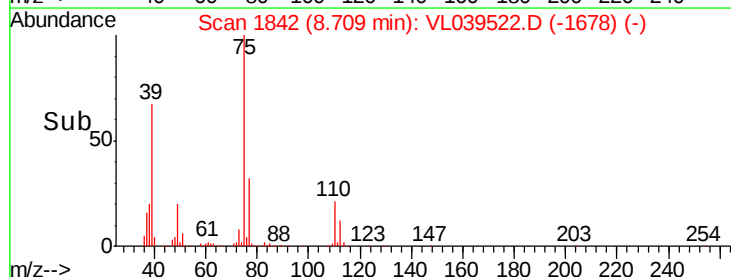
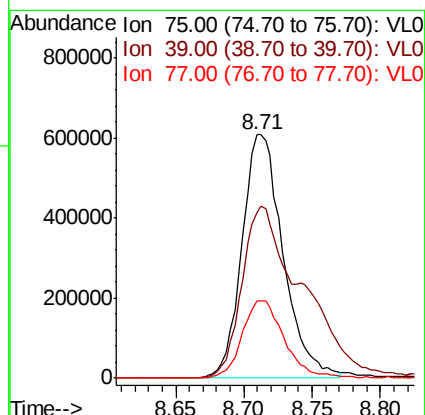
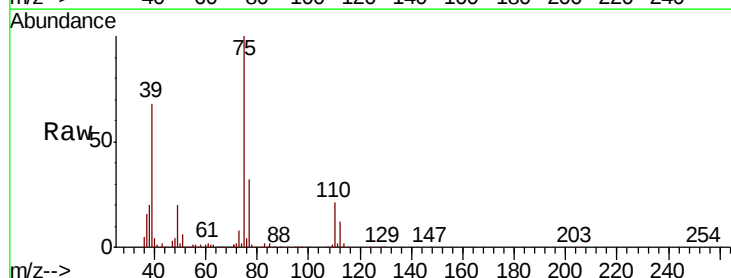
Tgt Ion: 75 Resp: 1276623

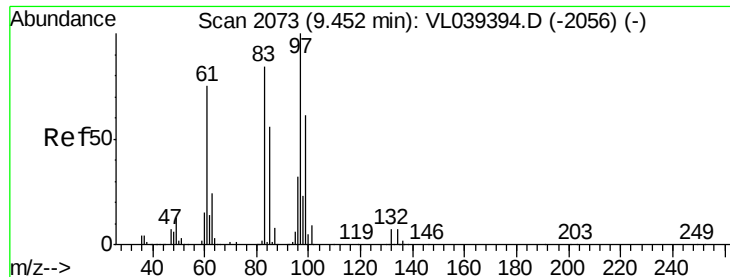
Ion Ratio Lower Upper

75 100

39 67.7 55.0 82.4

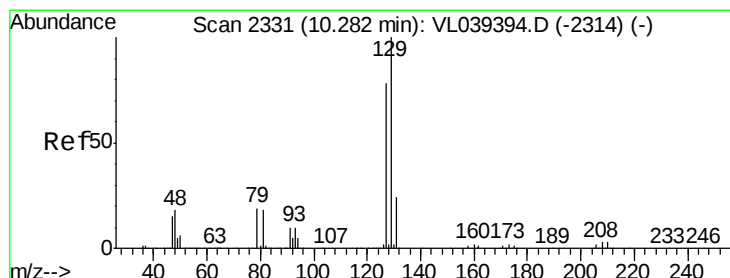
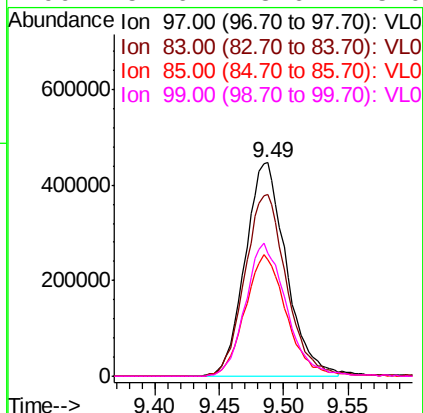
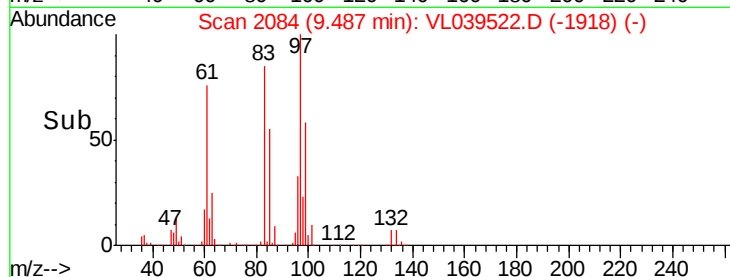
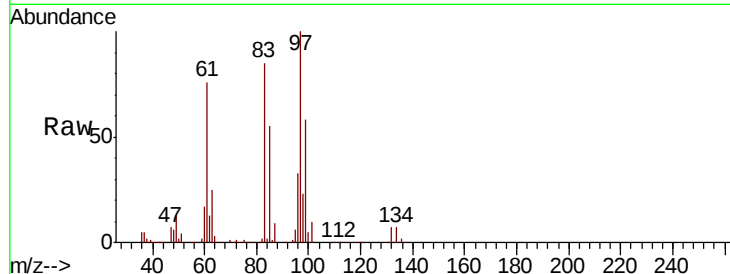
77 31.9 25.7 38.5





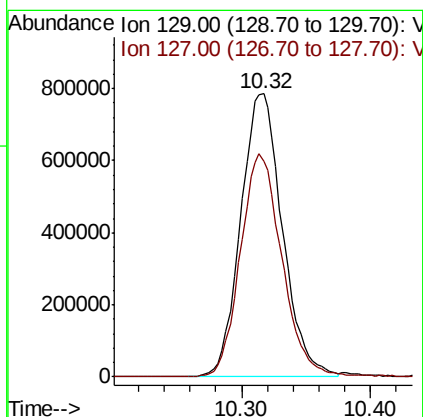
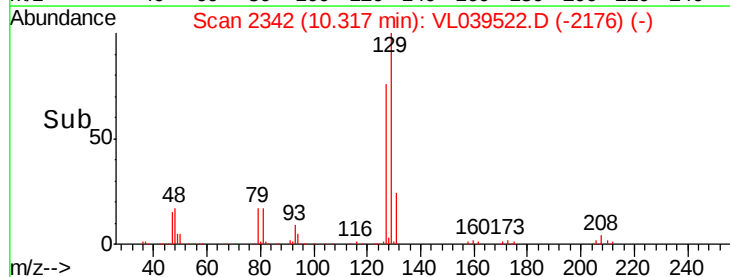
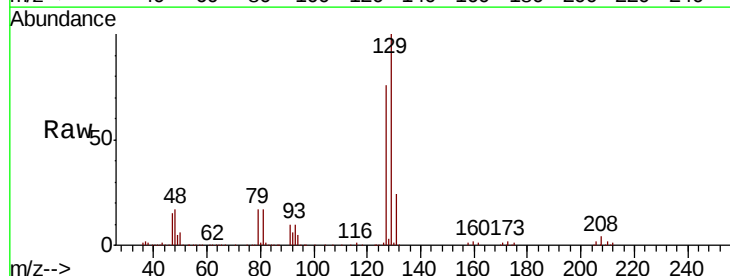
#47
 1,1,2-Trichloroethane
 Concen: 10.676 ppbv
 RT: 9.49
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0725ABS02
 Acq: 25 Jul 2022 18:42

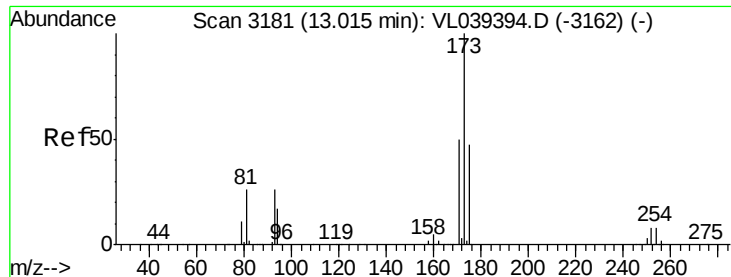
Tot Ion:	97	Resp:	988502
Ion	Ratio	Lower	Upper
97	100		
83	85.0	67.4	101.0
85	54.5	45.1	67.7
99	57.6	48.6	73.0



#48
 Dibromochloromethane
 Concen: 12.003 ppbv
 RT: 10.32 min Scan# 2342
 Delta R.T. 0.04 min
 Lab File: VL039522.D
 Acq: 25 Jul 2022 18:42

Tgt Ion:	129	Resp:	1766307
Ion	Ratio	Lower	Upper
129	100		
127	79.3	39.3	117.9





#49

Bromoform

Concen: 12.320 ppbv

RT: 13.05

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Jul 2022 18:42

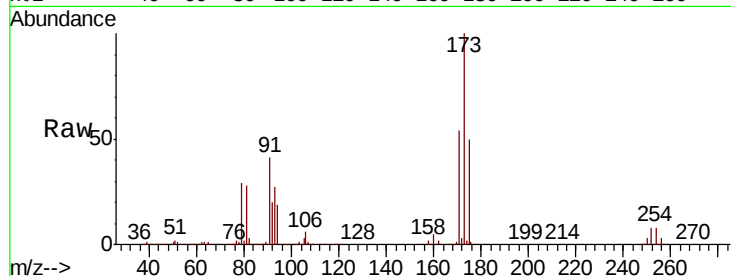
Tot Ion:173 Resp: 1462595

Ion Ratio Lower Upper

173 100

175 50.6 40.3 60.5

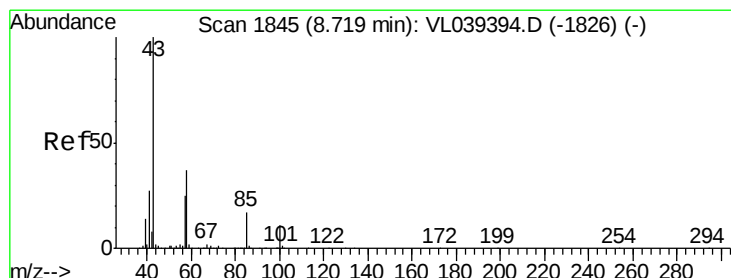
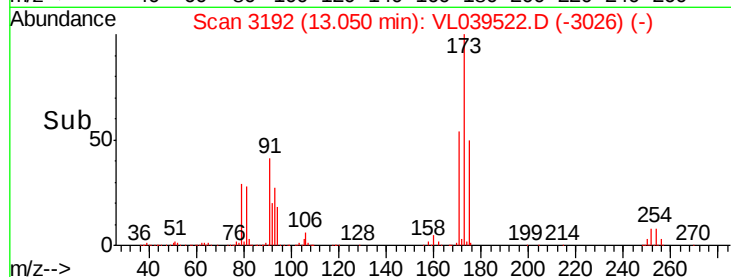
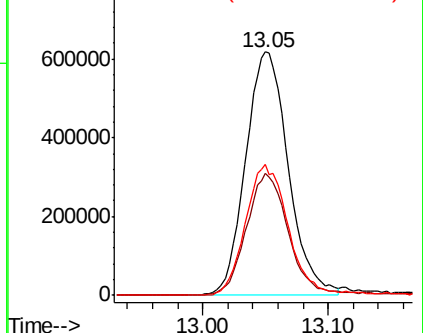
171 55.1 42.9 64.3



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: 11.397 ppbv

RT: 8.75 min Scan# 1854

Delta R.T. 0.03 min

Lab File: VL039522.D

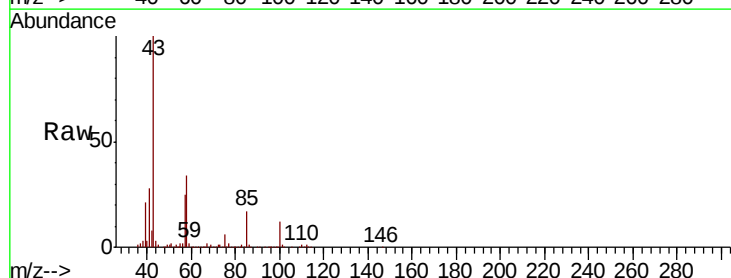
Acq: 25 Jul 2022 18:42

Tgt Ion: 43 Resp: 2475683

Ion Ratio Lower Upper

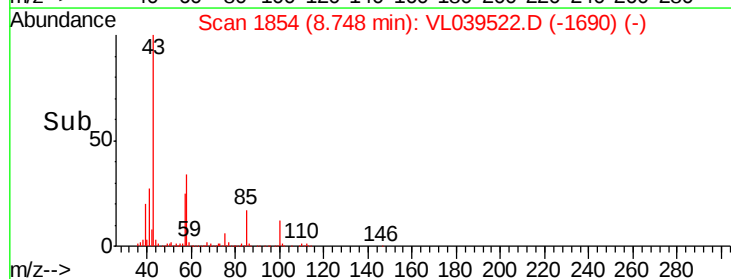
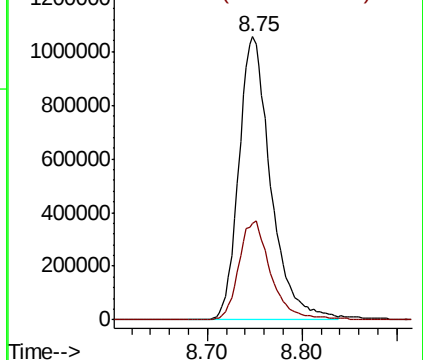
43 100

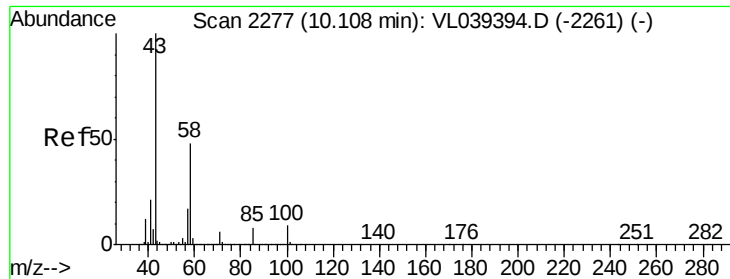
58 35.0 28.8 43.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

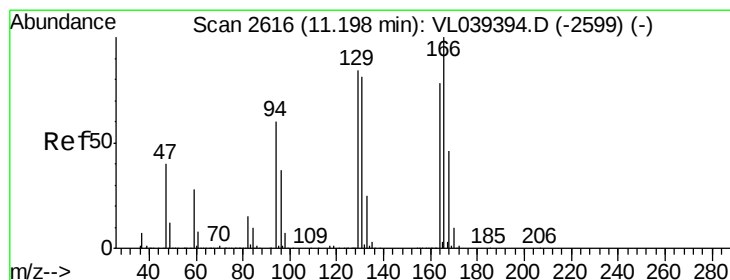
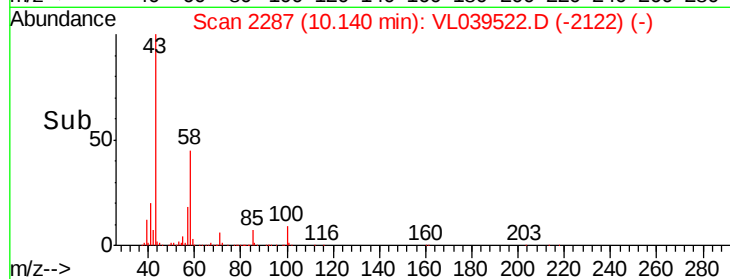
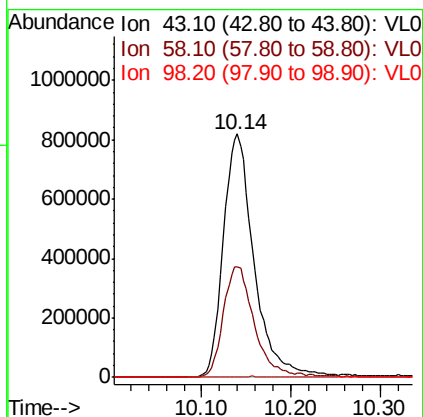
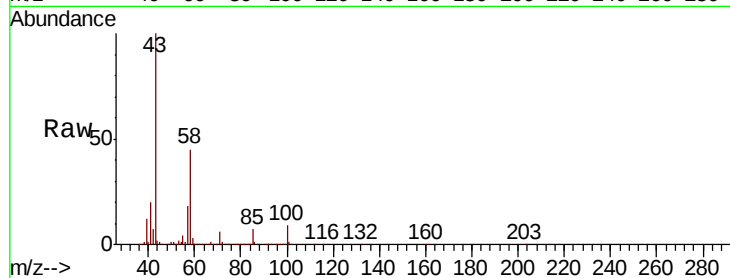
Ion 58.10 (57.80 to 58.80): VL0





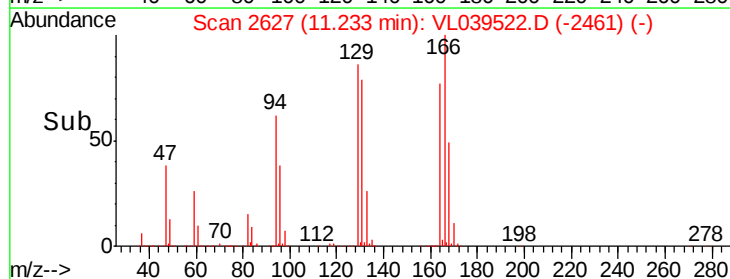
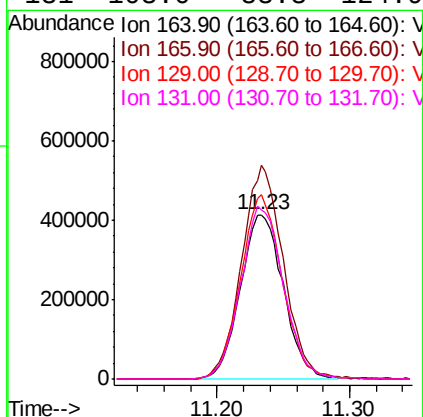
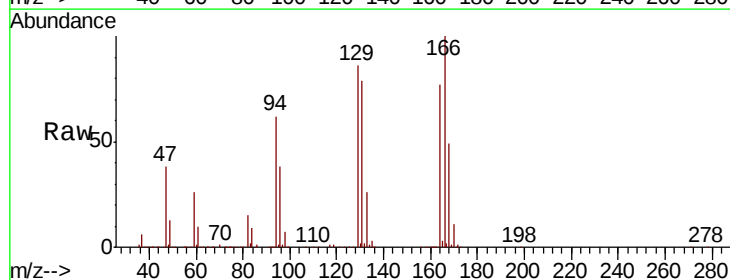
#51
2-Hexanone
Concen: 11.919 ppbv
RT: 10.14 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VL0725ABS02
Acq: 25 Jul 2022 18:42

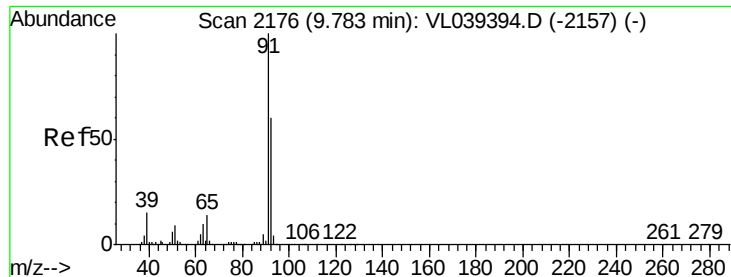
Tot Ion: 43 Resp: 1958373
Ion Ratio Lower Upper
43 100
58 46.2 38.4 57.6
98 0.5 0.3 0.5



#52
Tetrachloroethene
Concen: 10.482 ppbv
RT: 11.23 min Scan# 2627
Delta R.T. 0.04 min
Lab File: VL039522.D
Acq: 25 Jul 2022 18:42

Tgt Ion: 164 Resp: 932024
Ion Ratio Lower Upper
164 100
166 129.7 102.2 153.2
129 112.1 85.8 128.8
131 103.0 83.3 124.9





#53

Toluene

Concen: 11.154 ppbv

RT: 9.82 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

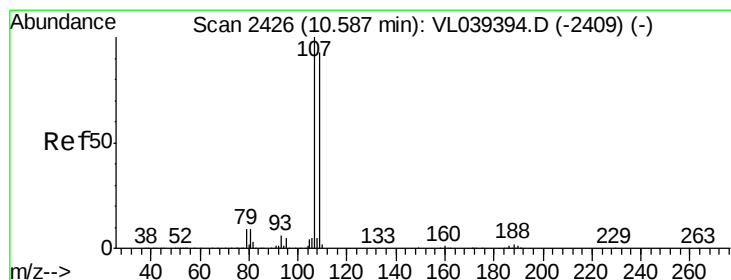
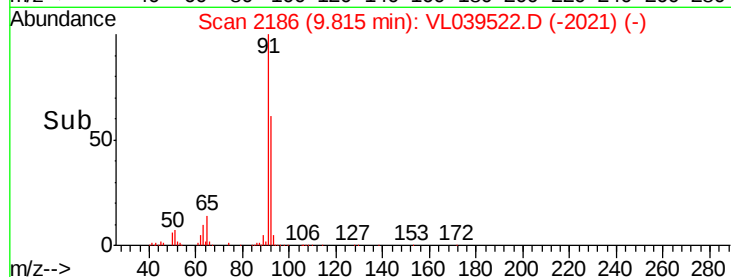
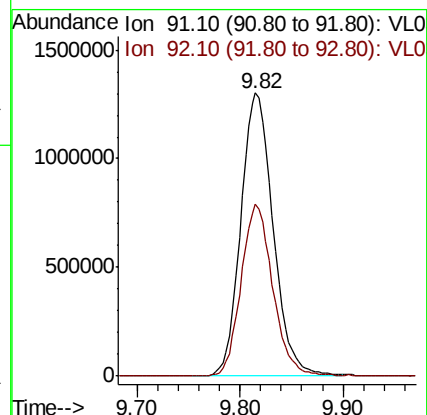
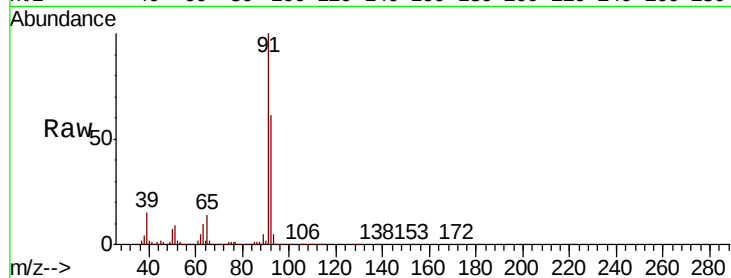
Acq: 25 Jul 2022 18:42 VL0725ABS02

Tot Ion: 91 Resp: 2841964

Ion Ratio Lower Upper

91 100

92 59.9 48.2 72.2



#54

1,2-Dibromoethane

Concen: 11.345 ppbv

RT: 10.62 min Scan# 2436

Delta R.T. 0.03 min

Lab File: VL039522.D

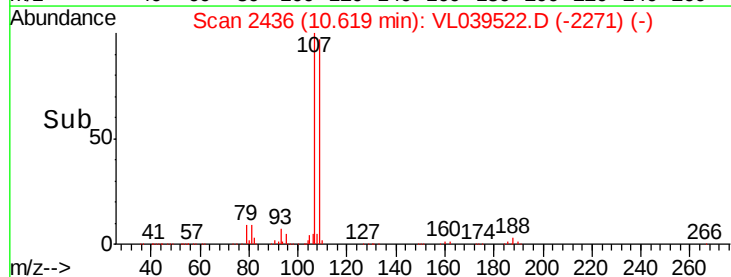
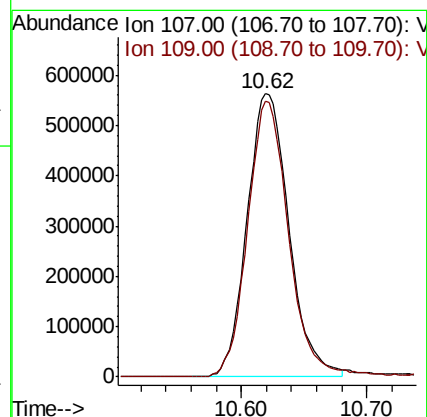
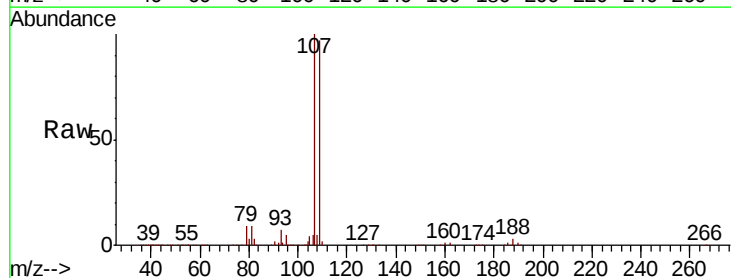
Acq: 25 Jul 2022 18:42

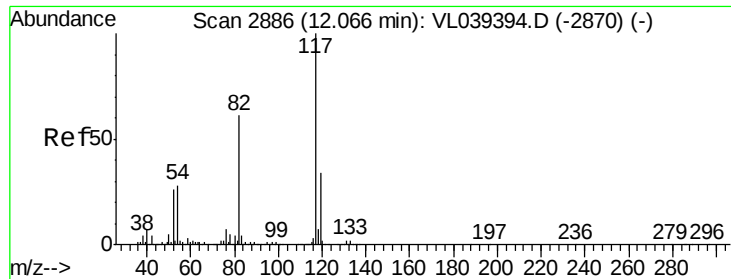
Tgt Ion: 107 Resp: 1307077

Ion Ratio Lower Upper

107 100

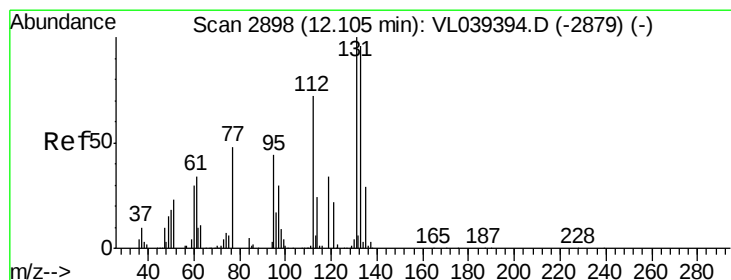
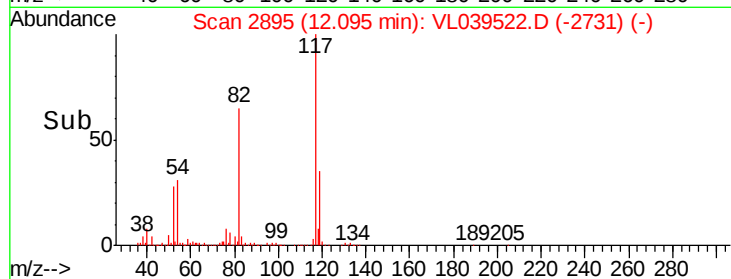
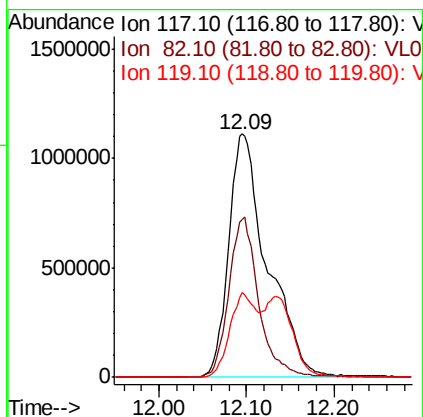
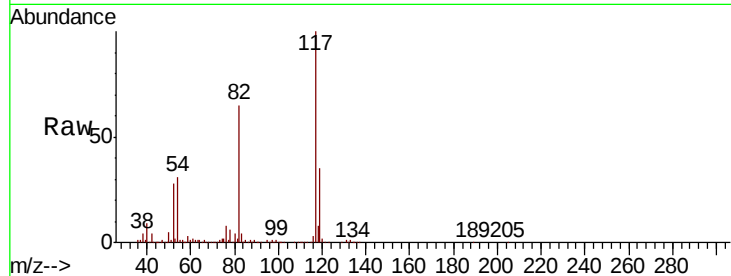
109 97.3 74.8 112.2





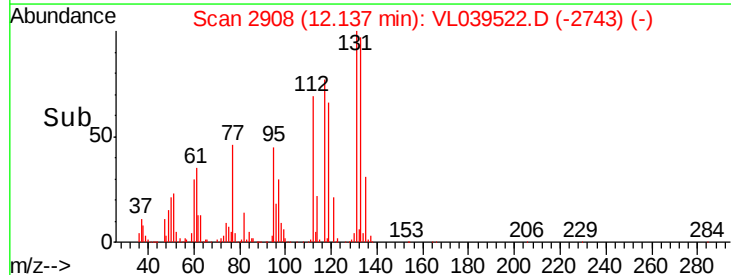
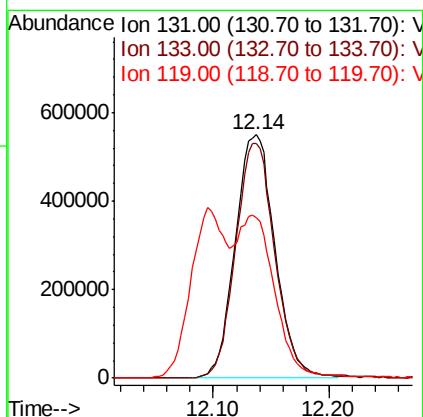
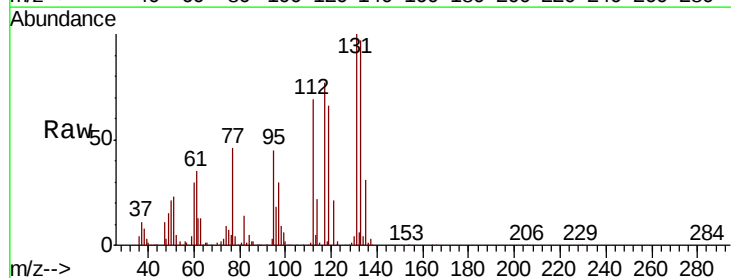
#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.09 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VL0725ABS02
 Acq: 25 Jul 2022 18:42

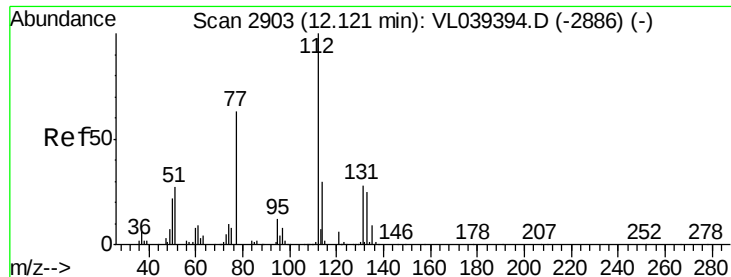
Tot Ion:117 Resp: 3414557
 Ion Ratio Lower Upper
 117 100
 82 51.4 50.8 76.2
 119 23.6 24.1 36.1#



#56
 1,1,1,2-Tetrachloroethane
 Concen: 8.679 ppbv
 RT: 12.14 min Scan# 2908
 Delta R.T.: 0.03 min
 Lab File: VL039522.D
 Acq: 25 Jul 2022 18:42

Tgt Ion:131 Resp: 1309101
 Ion Ratio Lower Upper
 131 100
 133 96.3 76.8 115.2
 119 65.1 46.2 69.4





#57

Chlorobenzene

Concen: 8.407 ppbv

RT: 12.16

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Jul 2022 18:42

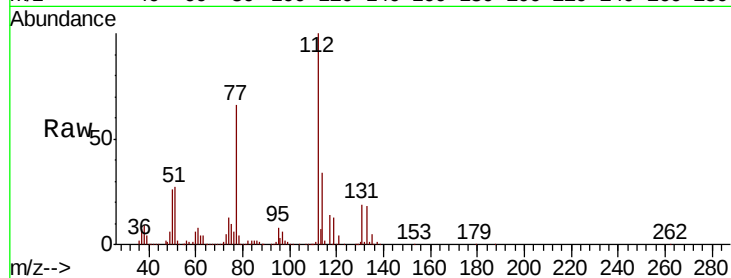
Tot Ion:112 Resp: 2225490

Ion Ratio Lower Upper

112 100

77 65.4 51.0 76.4

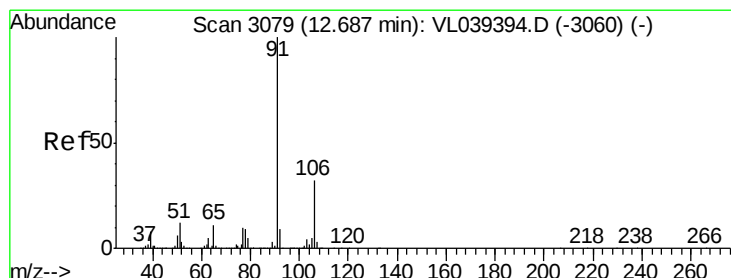
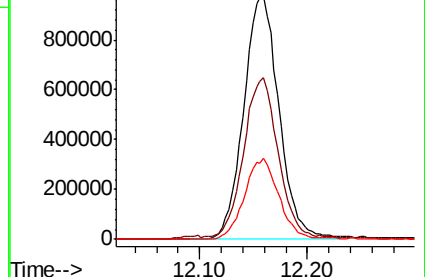
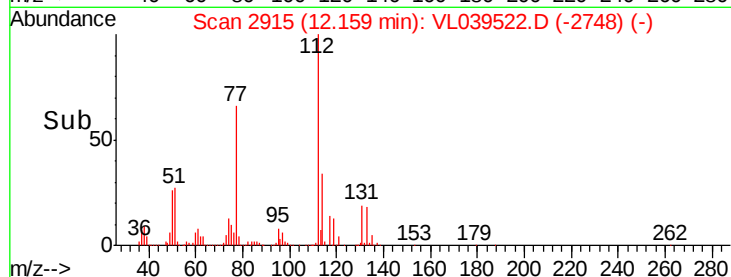
114 33.5 27.5 33.6



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: 8.730 ppbv

RT: 12.72 min Scan# 3090

Delta R.T. 0.04 min

Lab File: VL039522.D

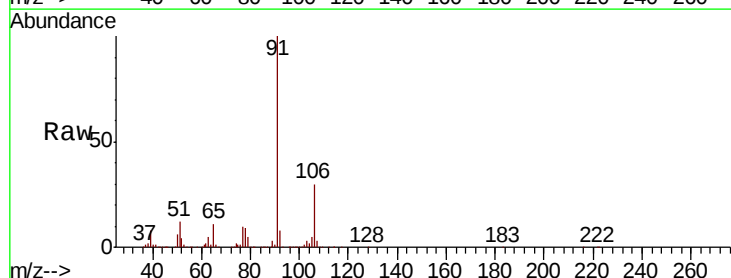
Acq: 25 Jul 2022 18:42

Tgt Ion: 91 Resp: 3848971

Ion Ratio Lower Upper

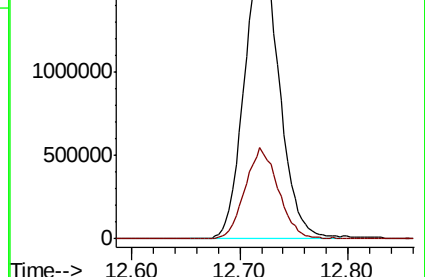
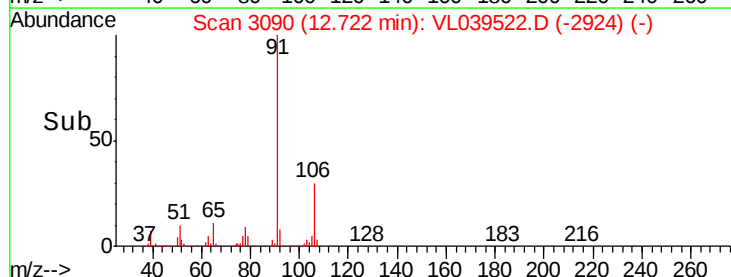
91 100

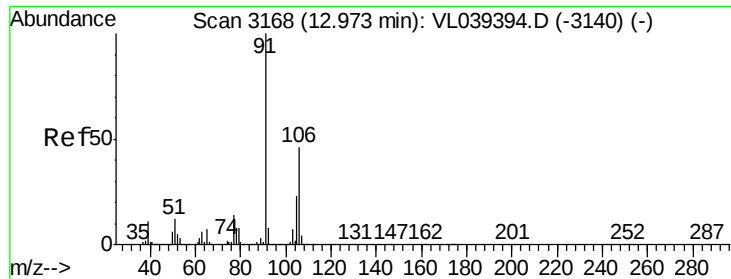
106 29.9 25.4 38.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

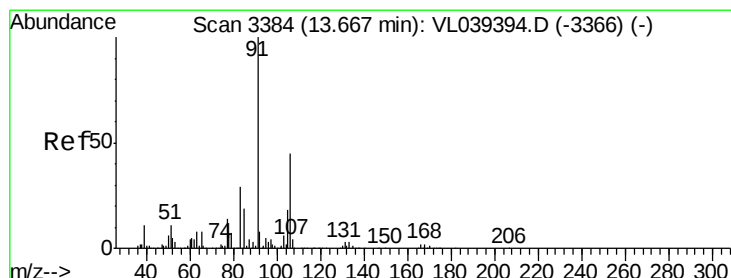
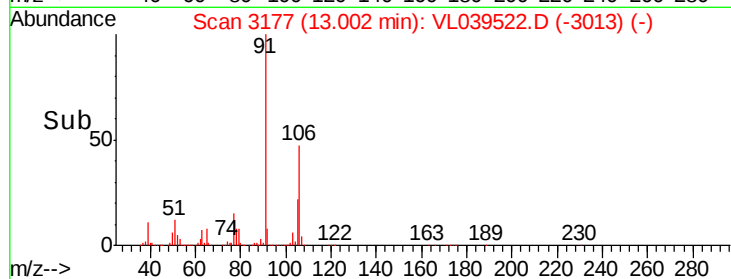
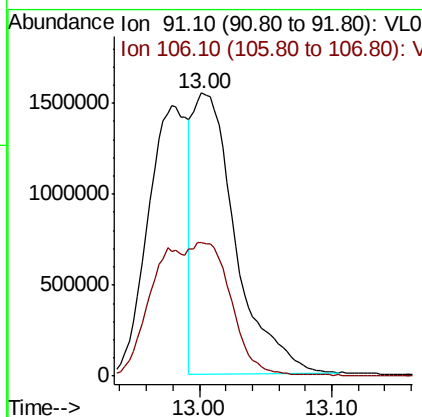
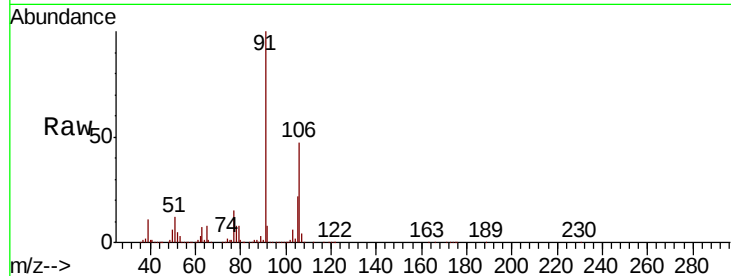
Ion 106.10 (105.80 to 106.80): V





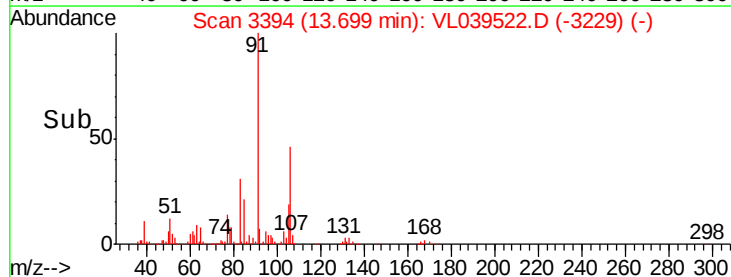
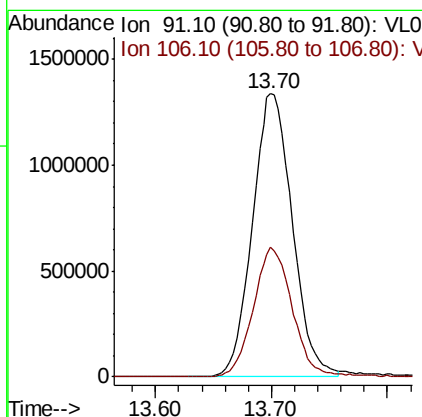
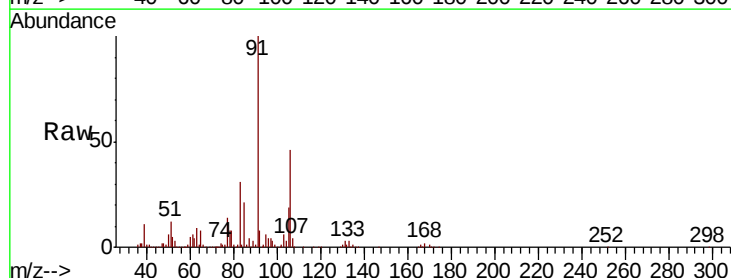
#59
m/p-Xylene
Concen: 8.861 ppbv
RT: 13.00
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VL0725ABS02
Acq: 25 Jul 2022 18:42

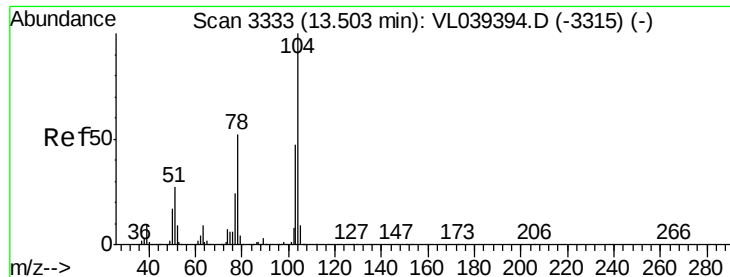
Tot Ion: 91 Resp: 3444234
Ion Ratio Lower Upper
91 100
106 86.4 35.4 53.2#



#60
o-Xylene
Concen: 8.665 ppbv
RT: 13.70 min Scan# 3394
Delta R.T. 0.03 min
Lab File: VL039522.D
Acq: 25 Jul 2022 18:42

Tgt Ion: 91 Resp: 3189272
Ion Ratio Lower Upper
91 100
106 45.3 22.4 67.3





#61

Stvrene

Concen: 9.521 ppbv

RT: 13.54

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Jul 2022 18:42

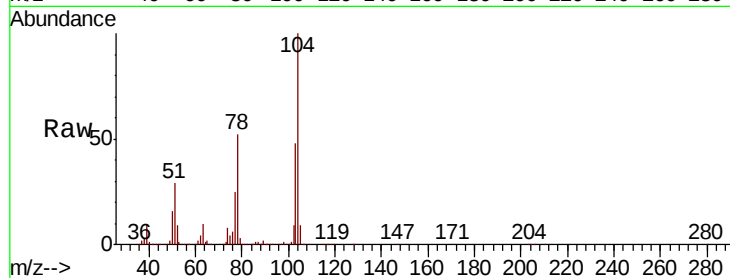
Tot Ion:104 Resp: 1898299

Ion Ratio Lower Upper

104 100

78 52.2 41.2 61.8

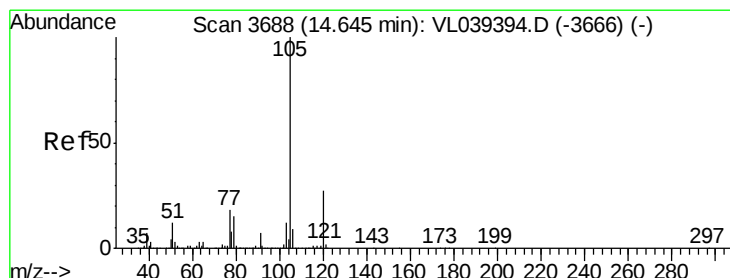
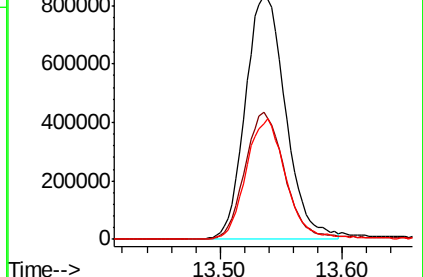
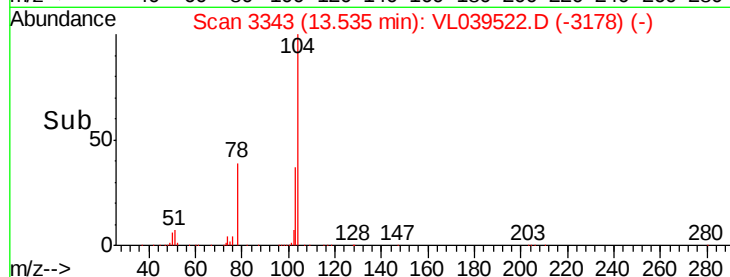
103 49.2 38.7 58.1



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: 8.425 ppbv

RT: 14.68 min Scan# 3698

Delta R.T. 0.03 min

Lab File: VL039522.D

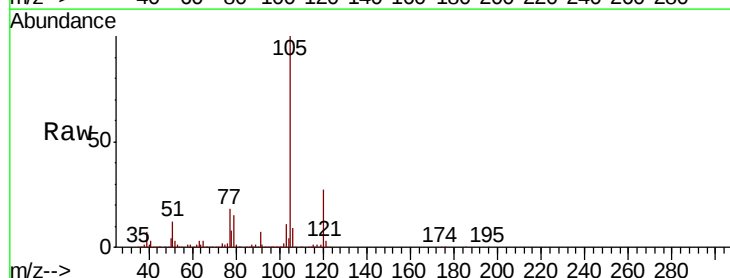
Acq: 25 Jul 2022 18:42

Tgt Ion:105 Resp: 4722582

Ion Ratio Lower Upper

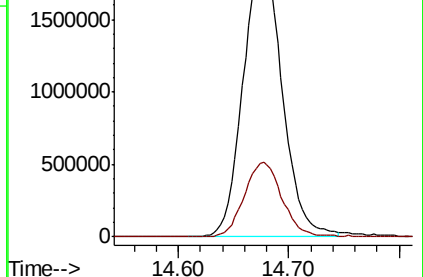
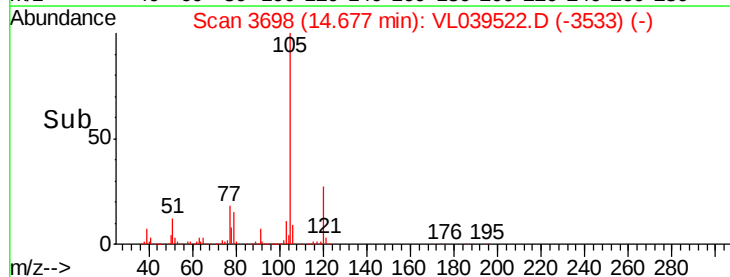
105 100

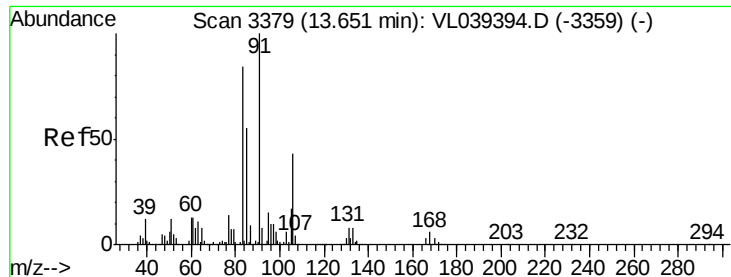
120 26.1 20.7 31.1



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: 7.783 ppbv

RT: 13.69

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Jul 2022 18:42

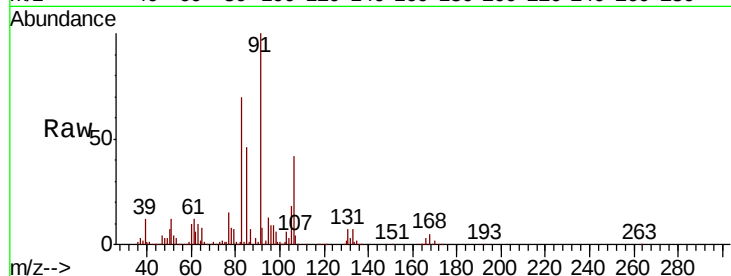
Tot Ion: 83 Resp: 1501662

Ion Ratio Lower Upper

83 100

131 10.5 5.3 15.8

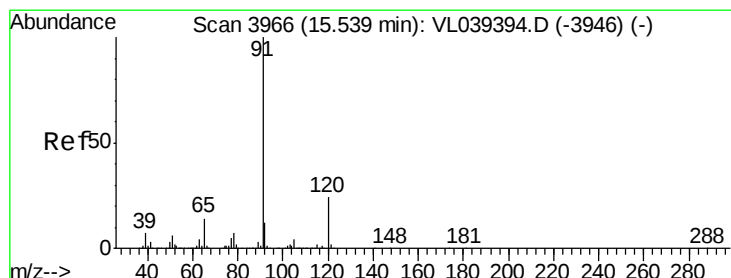
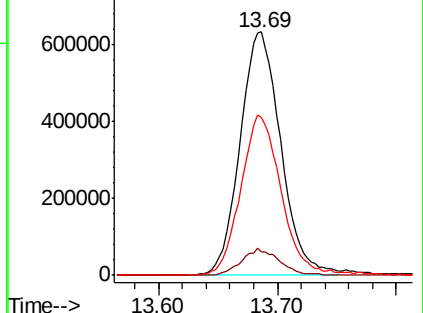
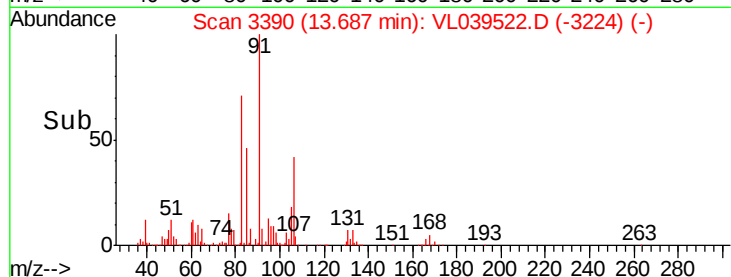
85 65.9 33.1 99.5



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: 8.760 ppbv

RT: 15.57 min Scan# 3976

Delta R.T. 0.03 min

Lab File: VL039522.D

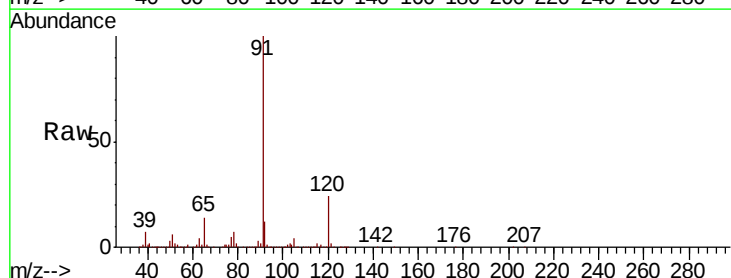
Acq: 25 Jul 2022 18:42

Tgt Ion:120 Resp: 1244582

Ion Ratio Lower Upper

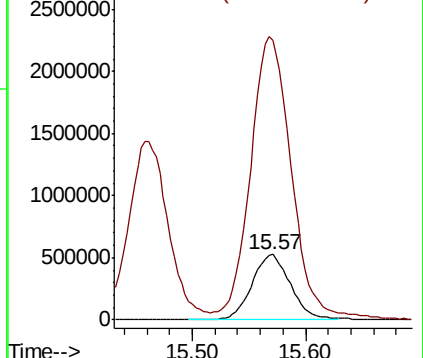
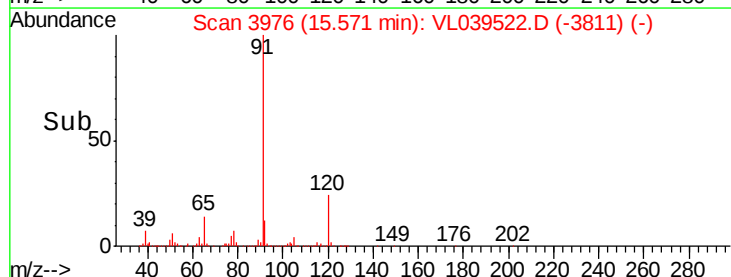
120 100

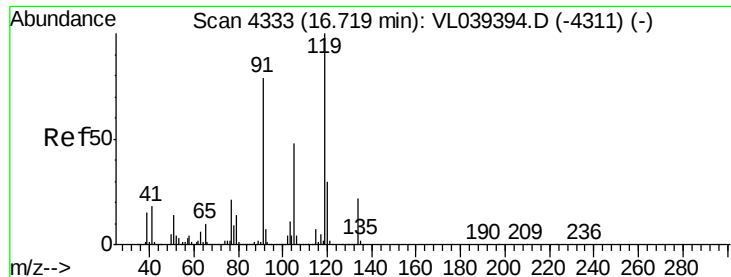
91 462.0 367.2 550.8



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

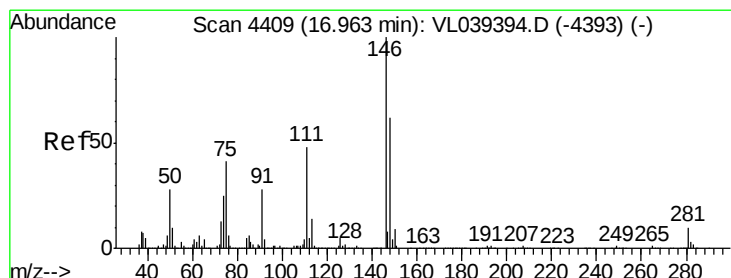
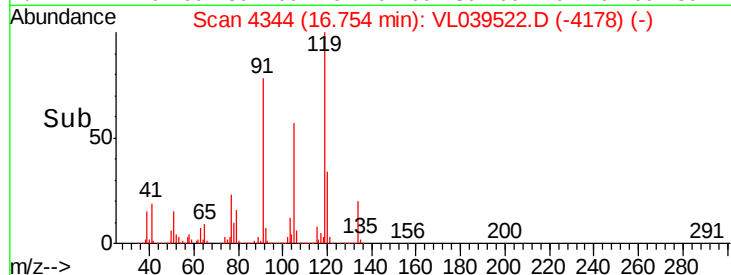
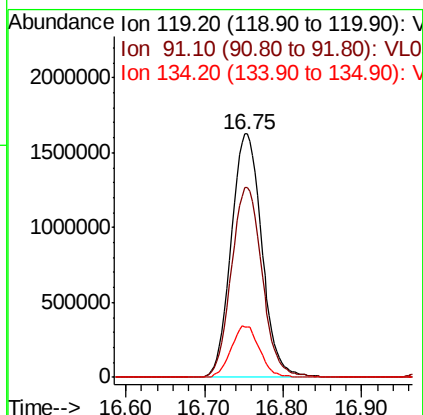
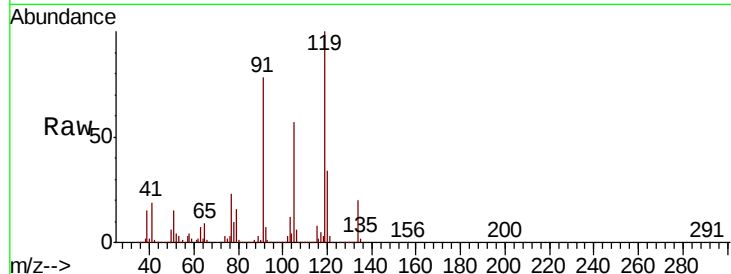




#65
 tert-Butylbenzene
 Concen: 8.511 ppbv
 RT: 16.75 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0725ABS02
 Acq: 25 Jul 2022 18:42

Tot Ion: 119 Resp: 4408191

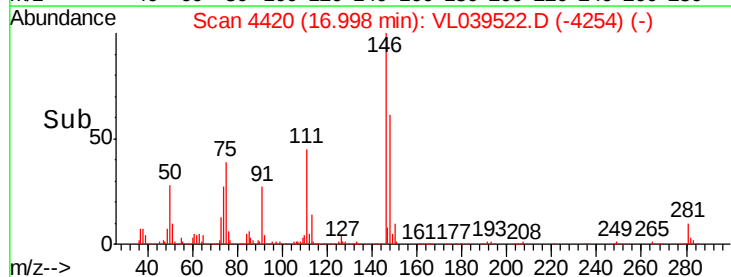
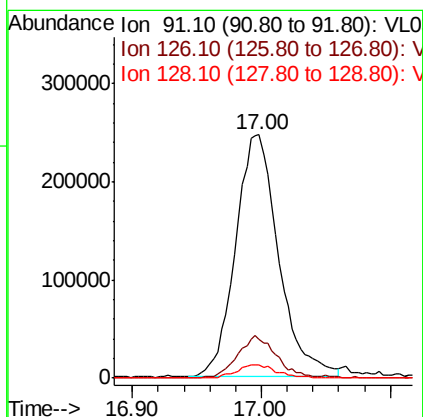
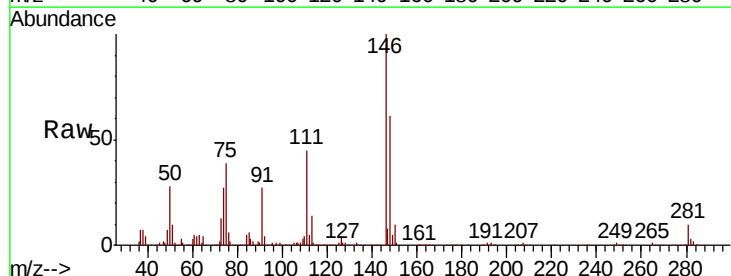
Ion	Ratio	Lower	Upper
119	100		
91	78.7	63.4	95.2
134	19.6	15.9	23.9

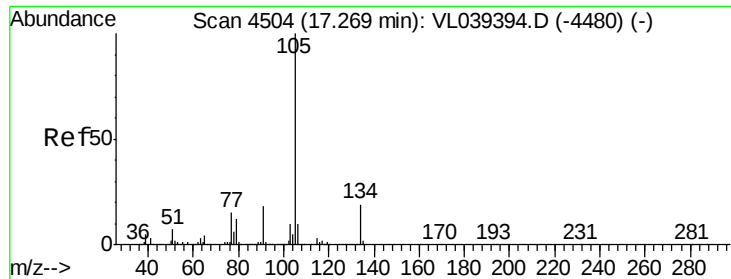


#66
 Benzyl Chloride
 Concen: 11.575 ppbv
 RT: 17.00 min Scan# 4420
 Delta R.T. 0.04 min
 Lab File: VL039522.D
 Acq: 25 Jul 2022 18:42

Tgt Ion: 91 Resp: 569735

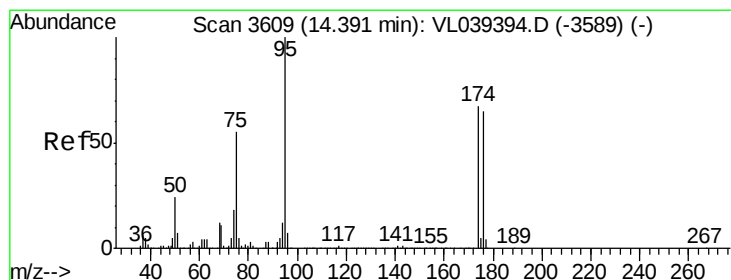
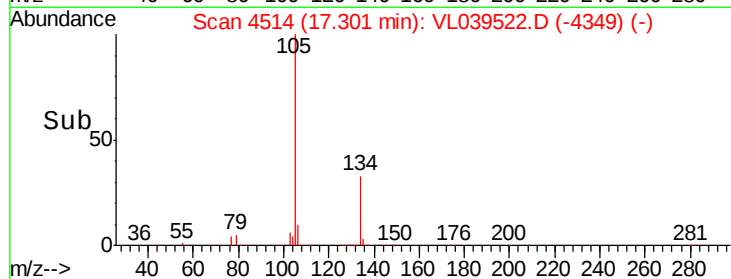
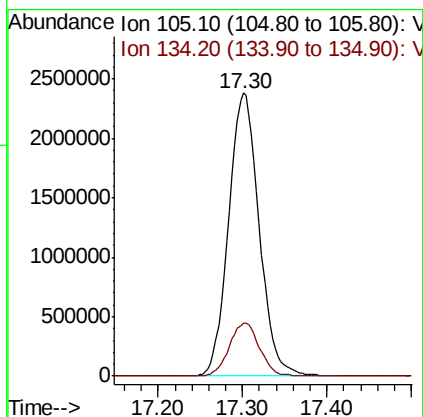
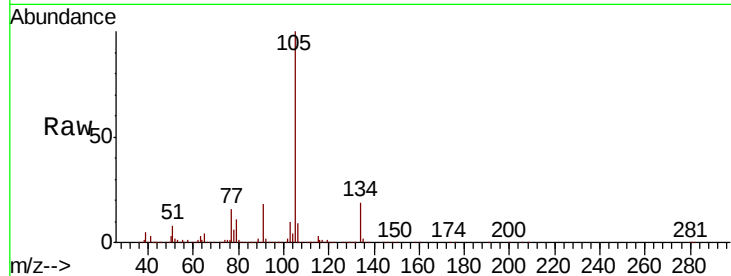
Ion	Ratio	Lower	Upper
91	100		
126	16.1	13.1	19.7
128	5.4	4.4	6.6





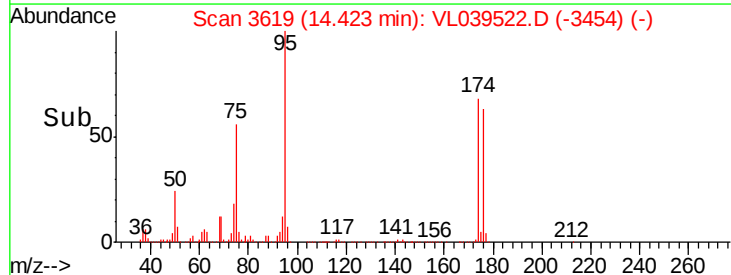
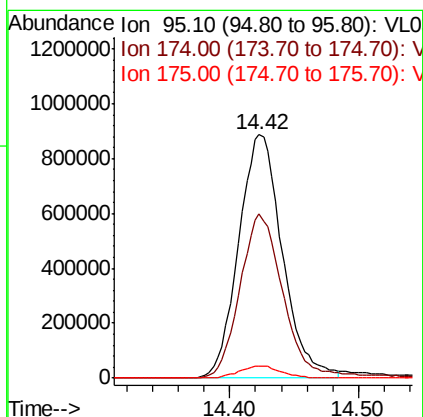
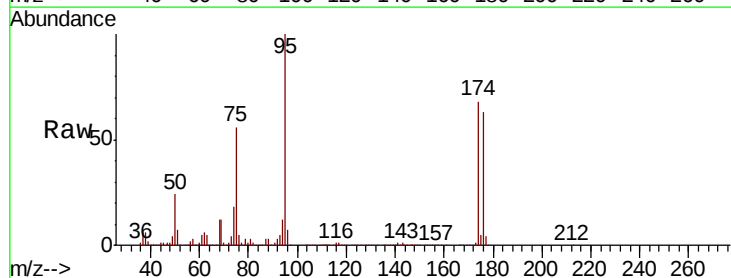
#67
 sec-Butylbenzene
 Concen: 8.579 ppbv
 RT: 17.30 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0725ABS02
 Acq: 25 Jul 2022 18:42

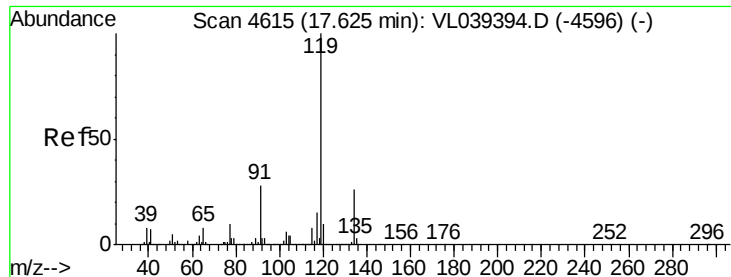
Tot Ion: 105 Resp: 5985254
 Ion Ratio Lower Upper
 105 100
 134 18.7 14.8 22.2



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.234 ppbv
 RT: 14.42 min Scan# 3619
 Delta R.T. 0.03 min
 Lab File: VL039522.D
 Acq: 25 Jul 2022 18:42

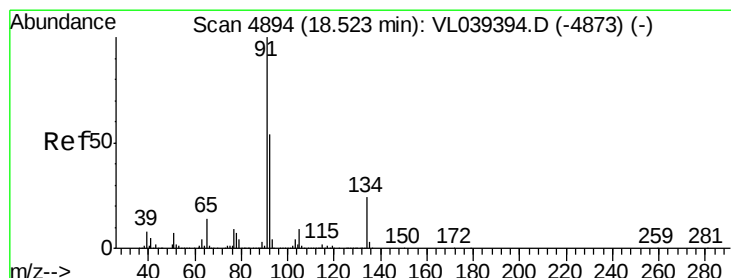
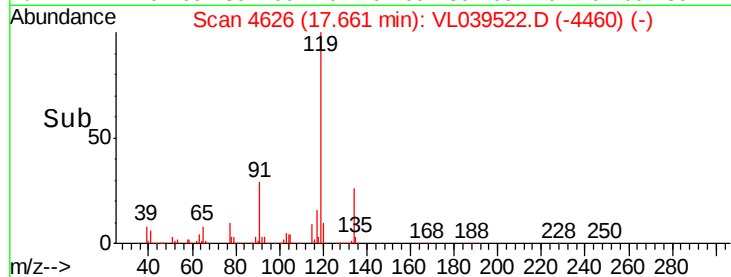
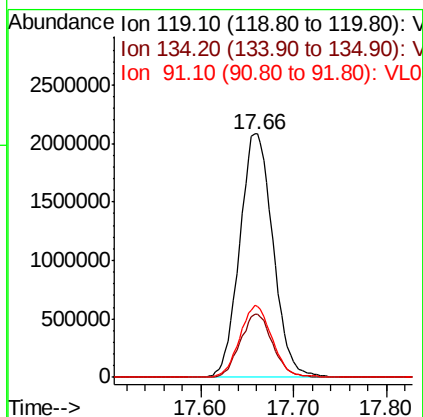
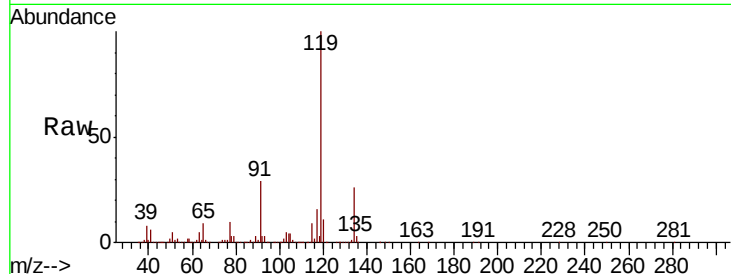
Tgt Ion: 95 Resp: 2085789
 Ion Ratio Lower Upper
 95 100
 174 68.2 55.9 83.9
 175 4.9 4.2 6.4





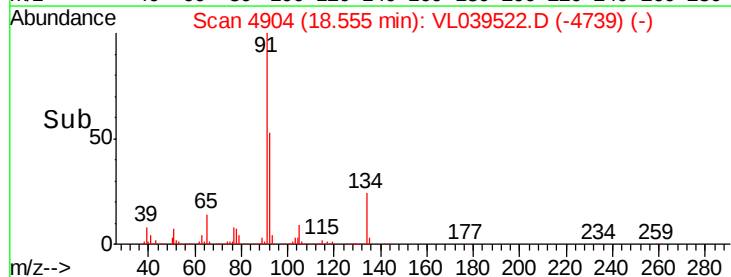
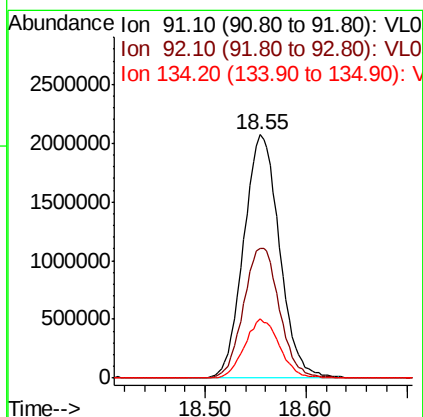
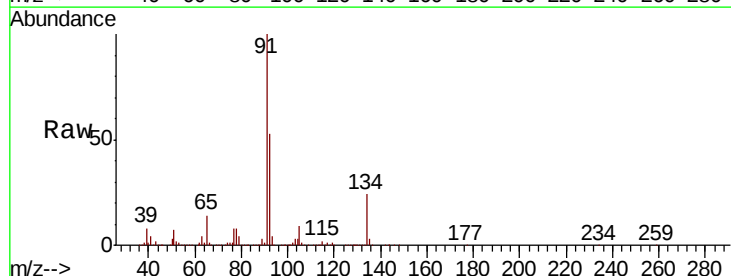
#69
 p-Isopropyltoluene
 Concen: 8.765 ppbv
 RT: 17.66 min
 Delta R.T. 0.03 min
 Lab File: VL0725ABS02
 Acq: 25 Jul 2022 18:42

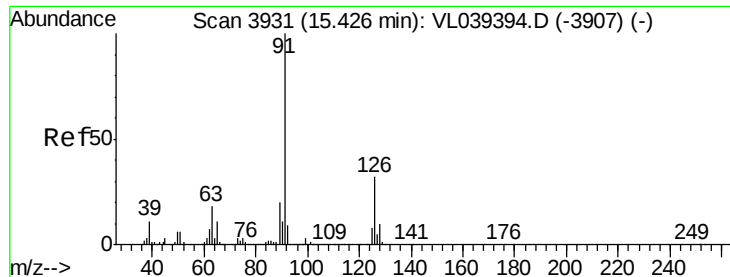
Tot Ion:	119	Resp:	5188707
Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.3	30.5
91	28.8	22.9	34.3



#70
 n-Butylbenzene
 Concen: 8.856 ppbv
 RT: 18.55 min Scan# 4904
 Delta R.T. 0.03 min
 Lab File: VL039522.D
 Acq: 25 Jul 2022 18:42

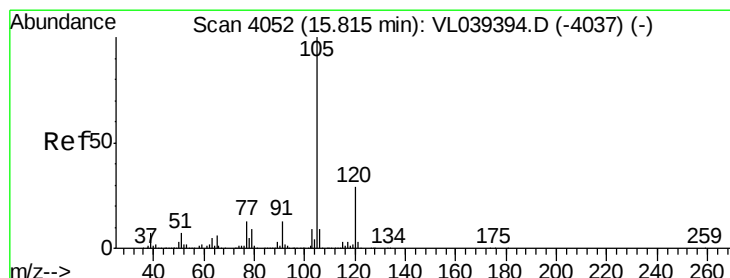
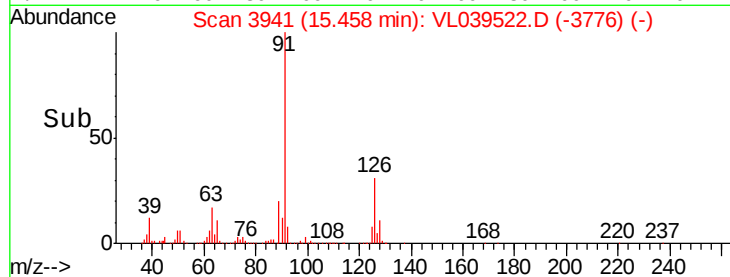
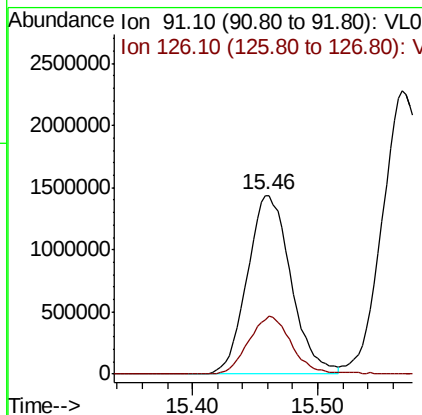
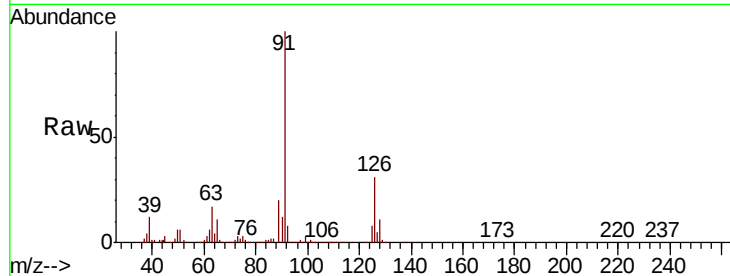
Tgt Ion:	91	Resp:	5088286
Ion	Ratio	Lower	Upper
91	100		
92	53.9	43.4	65.2
134	23.7	18.9	28.3





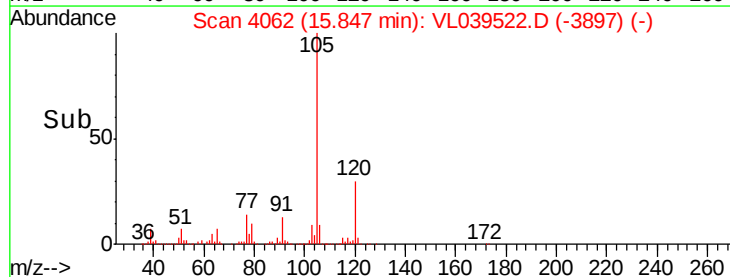
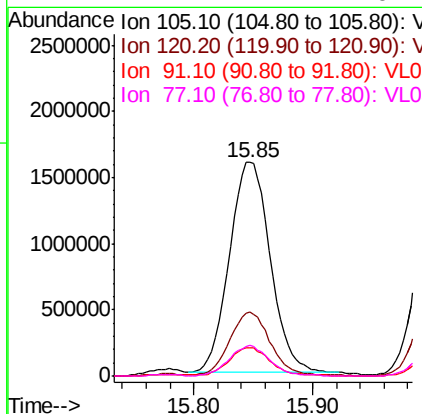
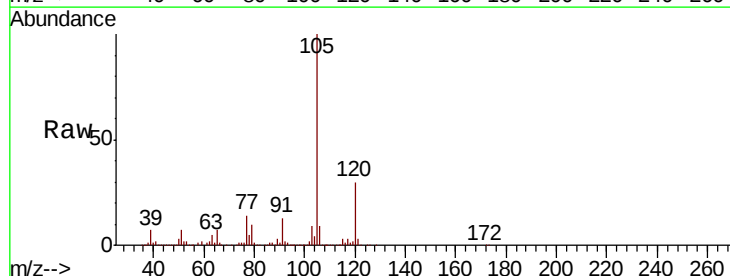
#71
 2-Chlorotoluene
 Concen: 8.683 ppbv
 RT: 15.46
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0725ABS02
 Acq: 25 Jul 2022 18:42

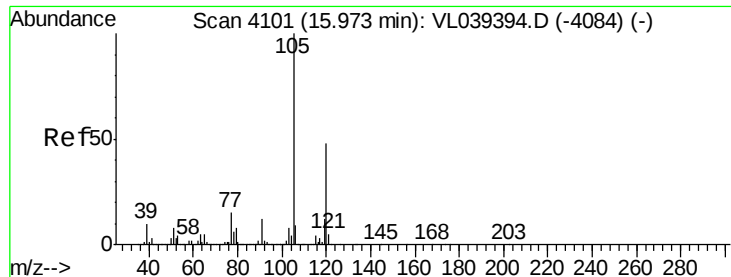
Tot Ion: 91 Resp: 3483462
 Ion Ratio Lower Upper
 91 100
 126 32.6 13.0 51.8



#72
 4-Ethyltoluene
 Concen: 8.749 ppbv
 RT: 15.85 min Scan# 4062
 Delta R.T. 0.03 min
 Lab File: VL039522.D
 Acq: 25 Jul 2022 18:42

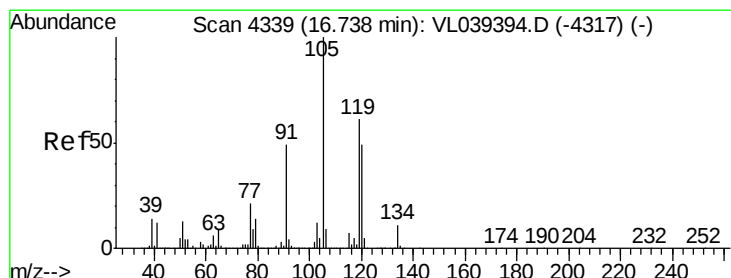
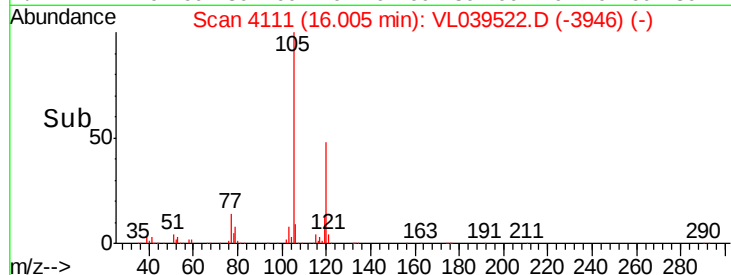
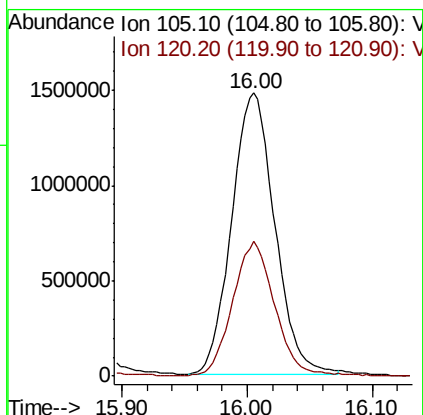
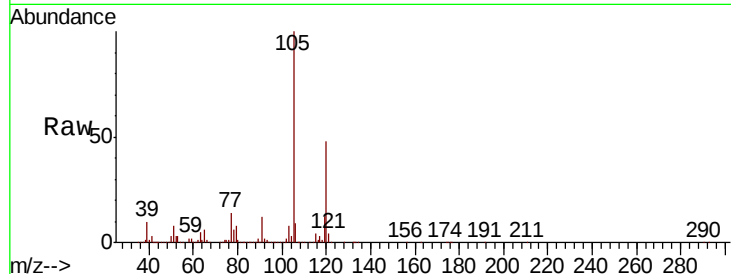
Tgt Ion:105 Resp: 3786143
 Ion Ratio Lower Upper
 105 100
 120 30.6 24.2 36.2
 91 13.5 10.2 15.4
 77 14.2 11.1 16.7





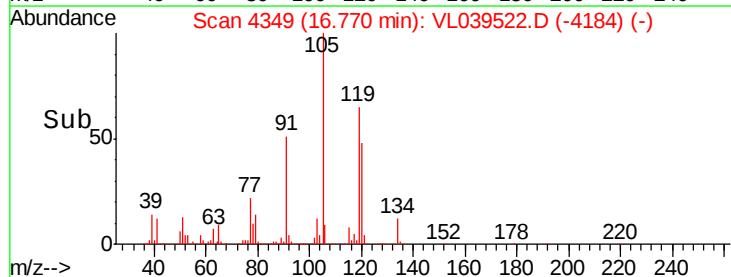
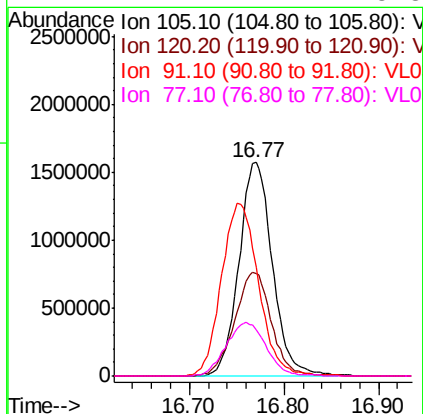
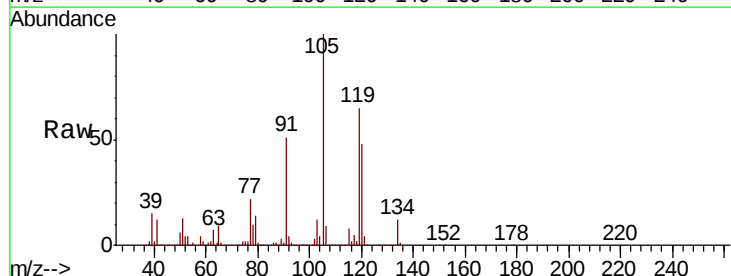
#73
 1,3,5-Trimethylbenzene
 Concen: 8.869 ppbv
 RT: 16.00
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0725ABS02
 Acq: 25 Jul 2022 18:42

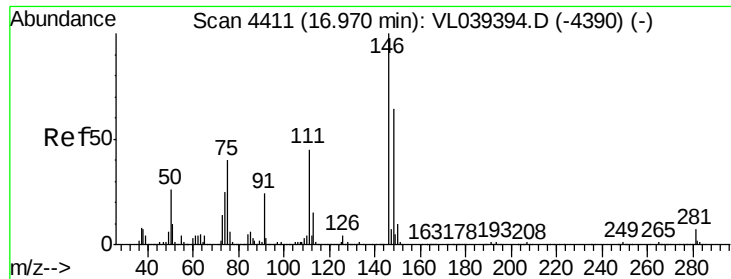
Tot Ion:105 Resp: 3525105
 Ion Ratio Lower Upper
 105 100
 120 47.7 38.2 57.4



#74
 1,2,4-Trimethylbenzene
 Concen: 8.766 ppbv
 RT: 16.77 min Scan# 4349
 Delta R.T. 0.03 min
 Lab File: VL039522.D
 Acq: 25 Jul 2022 18:42

Tgt Ion:105 Resp: 3854248
 Ion Ratio Lower Upper
 105 100
 120 48.0 39.5 59.3
 91 50.8 39.2 58.8
 77 21.4 17.2 25.8





#75

1,3-Dichlorobenzene

Concen: 8.802 ppbv

RT: 17.00

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Jul 2022 18:42

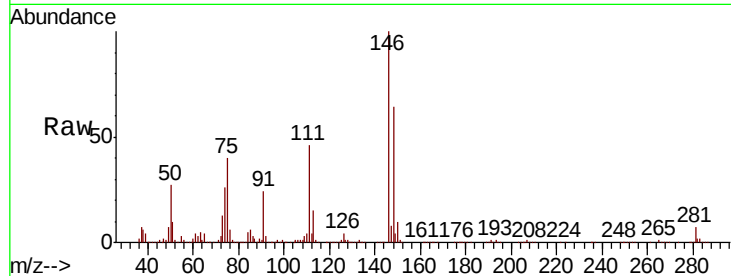
Tot Ion:146 Resp: 2308594

Ion Ratio Lower Upper

146 100

111 45.5 22.9 68.7

148 64.3 32.1 96.5

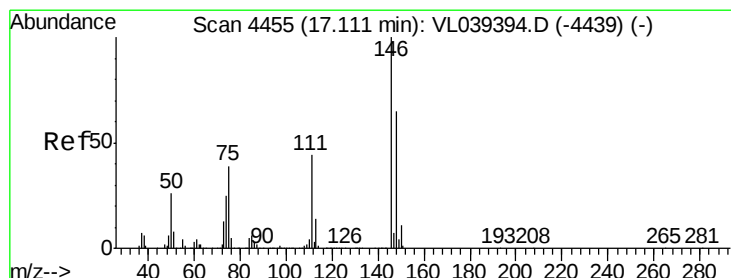
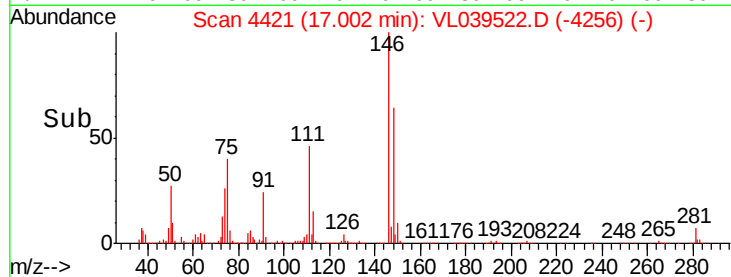
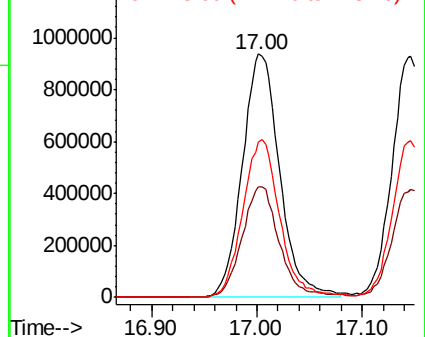


Abundance

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: 8.623 ppbv

RT: 17.15 min Scan# 4466

Delta R.T. 0.04 min

Lab File: VL039522.D

Acq: 25 Jul 2022 18:42

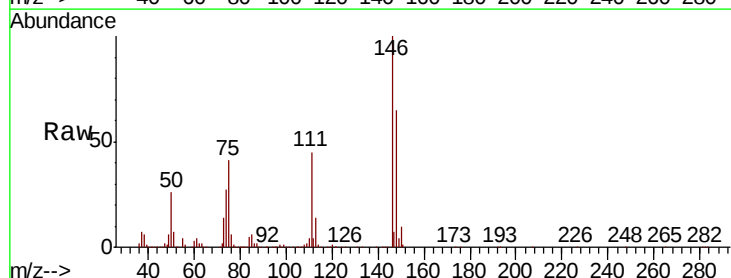
Tgt Ion:146 Resp: 2241612

Ion Ratio Lower Upper

146 100

111 45.4 22.9 68.8

148 65.7 33.6 100.8

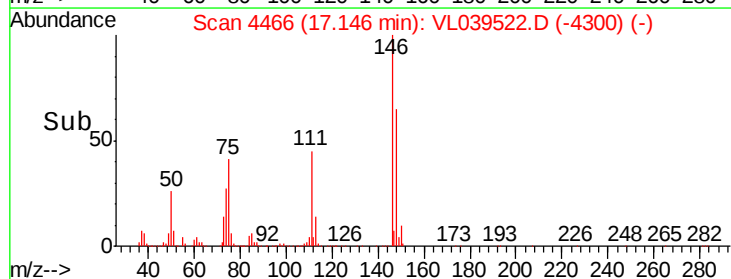
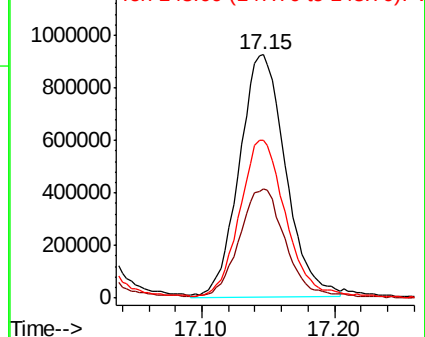


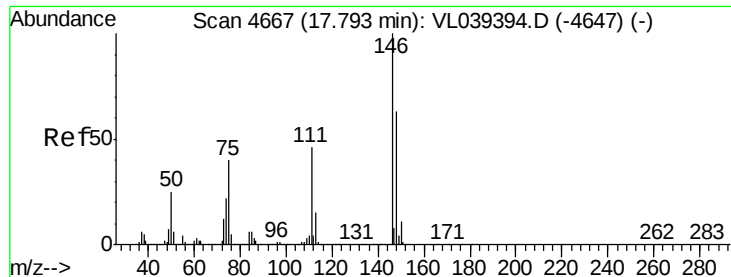
Abundance

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

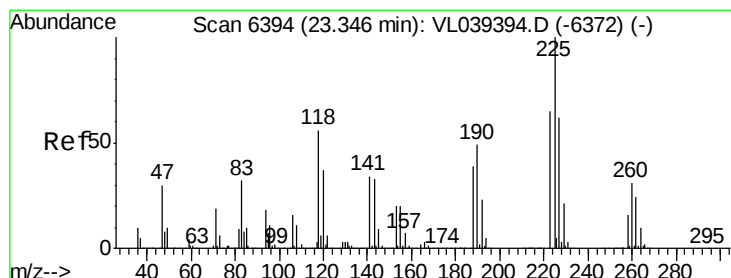
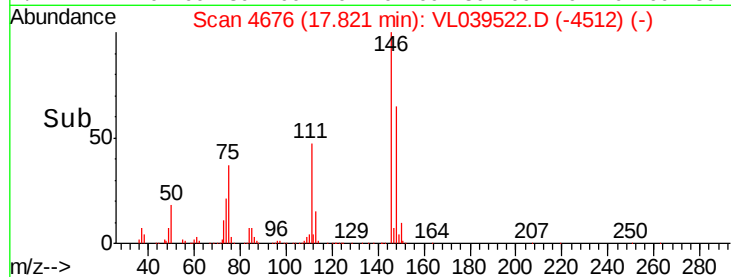
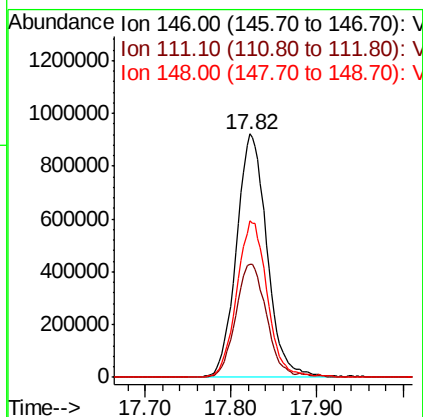
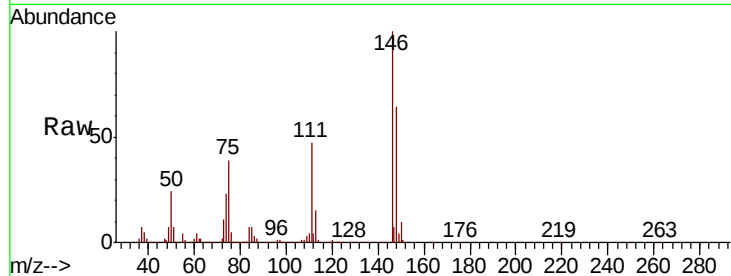




#77
 1,2-Dichlorobenzene
 Concen: 8.710 ppbv
 RT: 17.82 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0725ABS02
 Acq: 25 Jul 2022 18:42

Tot Ion:146 Resp: 2264452

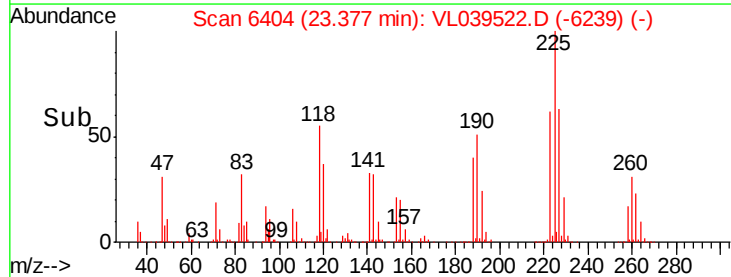
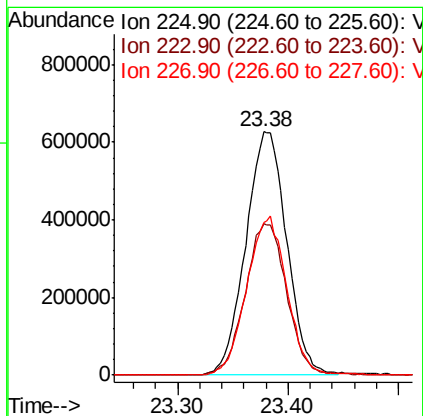
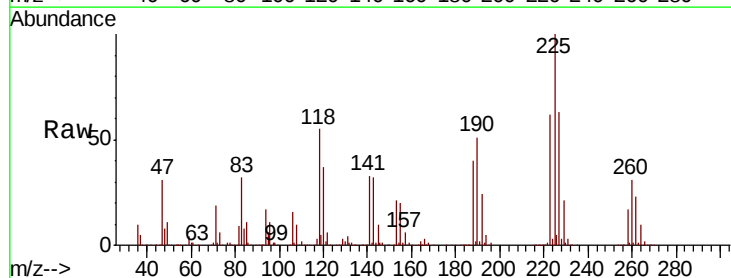
Ion	Ratio	Lower	Upper
146	100		
111	47.5	23.8	71.5
148	64.4	32.3	96.8

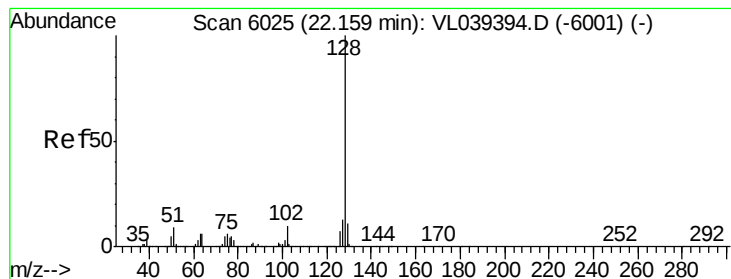


#78
 Hexachloro-1,3-Butadiene
 Concen: 7.719 ppbv
 RT: 23.38 min Scan# 6404
 Delta R.T. 0.03 min
 Lab File: VL039522.D
 Acq: 25 Jul 2022 18:42

Tgt Ion:225 Resp: 1613913

Ion	Ratio	Lower	Upper
225	100		
223	63.4	51.8	77.6
227	64.1	51.4	77.2





#79

Naphthalene

Concen: 10.495 ppbv

RT: 22.20 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Jul 2022 18:42

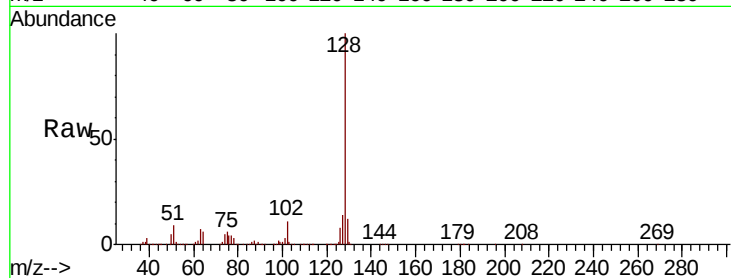
Tot Ion:128 Resp: 3175548

Ion Ratio Lower Upper

128 100

127 14.1 10.6 15.8

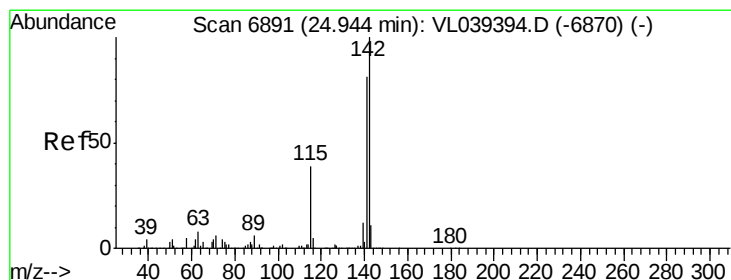
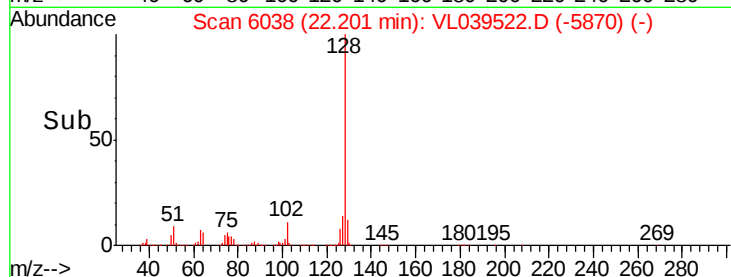
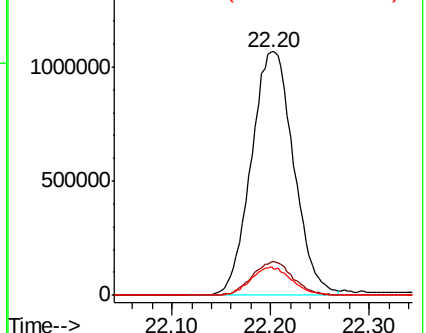
129 11.7 8.8 13.2



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: 11.391 ppbv

RT: 24.97 min Scan# 6899

Delta R.T. 0.03 min

Lab File: VL039522.D

Acq: 25 Jul 2022 18:42

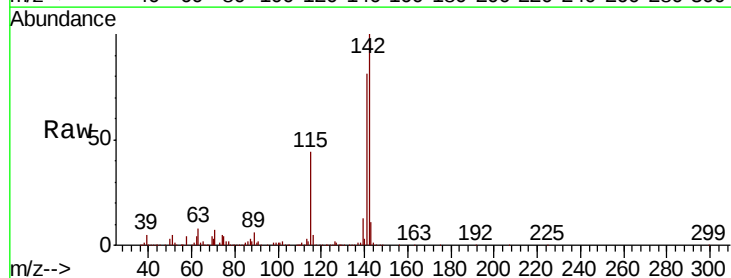
Tgt Ion:142 Resp: 1173129

Ion Ratio Lower Upper

142 100

141 87.8 68.9 103.3

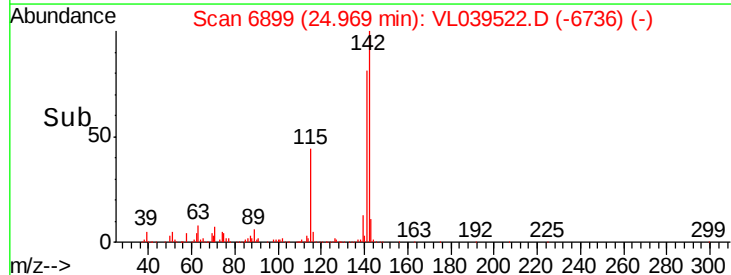
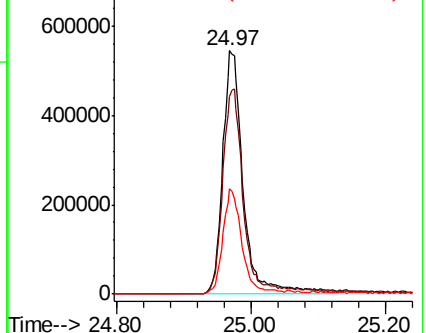
115 41.5 30.0 45.0

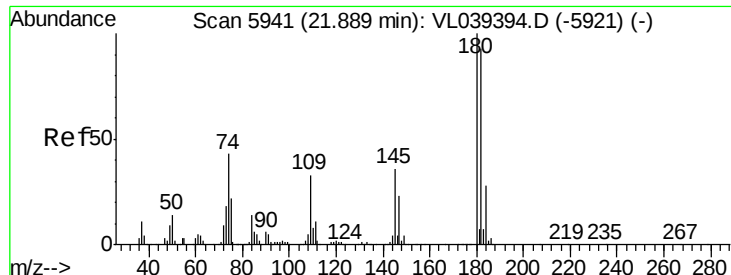


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 9.136 ppbv

RT: 21.93

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

VL0725ABS02

Acq: 25 Jul 2022 18:42

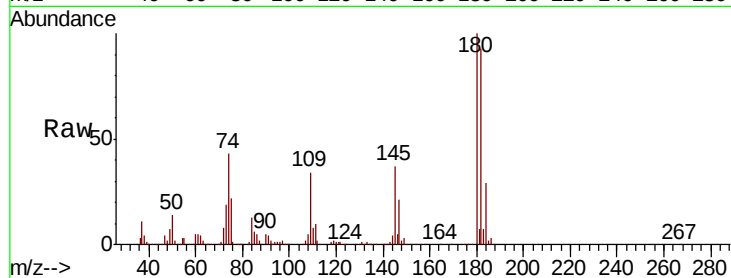
Tot Ion:180 Resp: 1800641

Ion Ratio Lower Upper

180 100

182 96.6 77.1 115.7

184 30.6 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

