

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090722\
 Data File : VL039616.D
 Acq On : 7 Sep 2022 12:51
 Operator : SY/AP
 Sample : VL0907ABS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 VL0907ABS01

Quant Time: Sep 08 05:18:58 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081722AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Aug 26 06:05:16 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.20	49	1031735	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	6.66	114	2756873	10.00	ppbv	0.00
55) Chlorobenzene-d5	11.47	117	3268883	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.78	95	2020526	8.19	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.90%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.75	85	858709	6.255	ppbv 98
3) Chlorodifluoromethane	2.70	51	1190153	9.682	ppbv 96
4) Chloromethane	2.83	50	711853	9.614	ppbv 97
5) Vinyl Chloride	2.94	62	611243	10.229	ppbv 95
6) Bromomethane	3.14	94	251383	9.919	ppbv 95
7) Chloroethane	3.22	64	232515	10.385	ppbv 99
8) Dichlorotetrafluoroethane	2.88	85	1336753	9.101	ppbv 94
9) Propene	2.72	41	569365	10.123	ppbv 97
10) Heptane	7.59	43	1412093	10.841	ppbv 99
11) Trichlorofluoromethane	3.58	101	1494978	9.921	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.09	101	1125298	10.097	ppbv 97
13) Ethanol	3.27	45	40971	10.136	ppbv 83
14) Bromoethene	3.39	108	477552	10.487	ppbv 99
15) Acetone	3.49	43	1115360	9.651	ppbv 97
16) 1,3-Butadiene	3.01	39	613465	10.173	ppbv 99
17) tert-Butyl alcohol	3.89	59	1096904	11.121	ppbv 99
18) 1,1-Dichloroethene	3.90	96	499899	9.959	ppbv 99
19) Isopropyl Alcohol	3.59	45	664503	11.819	ppbv # 94
20) Methylene Chloride	3.95	84	428850	9.134	ppbv 95
21) Allyl Chloride	4.01	41	811127	10.789	ppbv 99
22) trans-1,2-Dichloroethene	4.46	96	495710	9.929	ppbv 95
23) Vinyl Acetate	4.64	43	586754	10.677	ppbv 100
24) 1,1-Dichloroethane	4.58	63	1078056	10.598	ppbv 99
25) Ethyl Acetate	5.22	43	2527131	10.219	ppbv 100
26) Hexane	5.23	57	1046338	10.367	ppbv 97
27) Carbon Disulfide	4.14	76	1272078	11.798	ppbv 99
28) Methyl tert-Butyl Ether	4.60	73	914176	10.499	ppbv 97
29) Chloroform	5.29	83	1578857	10.002	ppbv 97
30) Cyclohexane	6.61	84	864075	10.339	ppbv 94
31) cis-1,2-Dichloroethene	5.10	61	1021830	10.452	ppbv 99
32) 1,1,1-Trichloroethane	6.01	97	1534739	11.052	ppbv 100
34) 2-Butanone	4.80	43	1259997	9.193	ppbv 97
35) Carbon Tetrachloride	6.50	117	1617977	10.857	ppbv 97
36) Benzene	6.38	78	2203330	10.485	ppbv 97
37) 1,2-Dichloroethane	5.82	62	1183766	10.226	ppbv 99
38) Trichloroethene	7.30	130	1224676	10.876	ppbv 98
39) 1,2-Dichloropropane	7.09	63	831313	10.521	ppbv 95
40) 1,4-Dioxane	7.30	88	322089	10.412	ppbv 92
41) Tetrahydrofuran	5.57	42	890154	10.872	ppbv 96
42) Bromodichloromethane	7.26	83	1711854	10.807	ppbv 97
43) Methyl Methacrylate	7.49	69	865275	11.418	ppbv 98

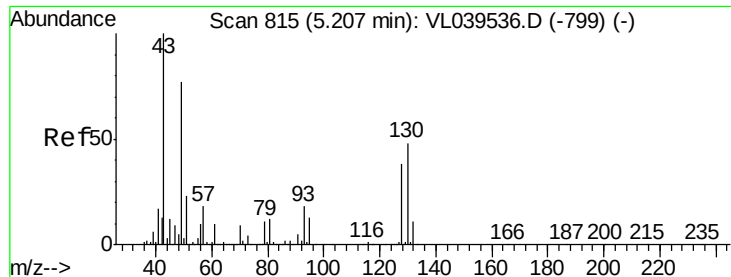
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090722\
 Data File : VL039616.D
 Acq On : 7 Sep 2022 12:51
 Operator : SY/AP
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 QLast Update : Fri Aug 26 06:05:16 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.34	57	3679937	10.388	ppbv	99
45) t-1,3-Dichloropropene	8.72	75	850216	12.883	ppbv	98
46) cis-1,3-Dichloropropene	8.15	75	1137676	12.446	ppbv	99
47) 1,1,2-Trichloroethane	8.91	97	905047	10.030	ppbv	100
48) Dibromochloromethane	9.72	129	1500788	11.283	ppbv	99
49) Bromoform	12.41	173	1243307	11.285	ppbv	100
50) 4-Methyl-2-Pentanone	8.19	43	2283207	10.693	ppbv	99
51) 2-Hexanone	9.56	43	1772772	11.280	ppbv	99
52) Tetrachloroethene	10.62	164	828985	10.427	ppbv	99
53) Toluene	9.23	91	2595065	11.034	ppbv	99
54) 1,2-Dibromoethane	10.01	107	1088801	10.788	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.52	131	1081165	8.140	ppbv	97
57) Chlorobenzene	11.53	112	1930015	7.914	ppbv #	97
58) Ethyl Benzene	12.10	91	3380997	9.002	ppbv	97
59) m/p-Xylene	12.38	91	2741848	8.137	ppbv #	22
60) o-Xylene	13.07	91	2744471	8.486	ppbv	100
61) Styrene	12.90	104	1654449	9.604	ppbv	99
62) Isopropylbenzene	14.03	105	3989952	8.158	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.05	83	1112513	7.264	ppbv	100
64) n-propylbenzene	14.92	120	1041448	8.193	ppbv	98
65) tert-Butylbenzene	16.09	119	3499520	8.049	ppbv	100
66) Benzyl Chloride	16.33	91	164841	4.668	ppbv #	67
67) sec-Butylbenzene	16.64	105	4895034	7.949	ppbv	98
69) p-Isopropyltoluene	17.00	119	4085257	7.992	ppbv	100
70) n-Butylbenzene	17.89	91	4075144	8.013	ppbv	99
71) 2-Chlorotoluene	14.81	91	2915151	8.230	ppbv	100
72) 4-Ethyltoluene	15.20	105	3232015	8.546	ppbv	98
73) 1,3,5-Trimethylbenzene	15.36	105	2872101	8.311	ppbv	95
74) 1,2,4-Trimethylbenzene	16.11	105	3073392	7.981	ppbv	99
75) 1,3-Dichlorobenzene	16.34	146	1872254	7.997	ppbv	99
76) 1,4-Dichlorobenzene	16.48	146	1792494	7.684	ppbv	100
77) 1,2-Dichlorobenzene	17.15	146	1751523	7.640	ppbv	100
78) Hexachloro-1,3-Butadiene	22.63	225	1464080	8.018	ppbv	99
79) Naphthalene	21.39	128	3063964	11.172	ppbv	98
80) Naphthalene, 2-methyl-	24.38	142	1103695	9.916	ppbv	96
81) 1,2,4-Trichlorobenzene	21.15	180	1685209	9.202	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.20 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 7 Sep 2022 12:51 VL0907ABS01

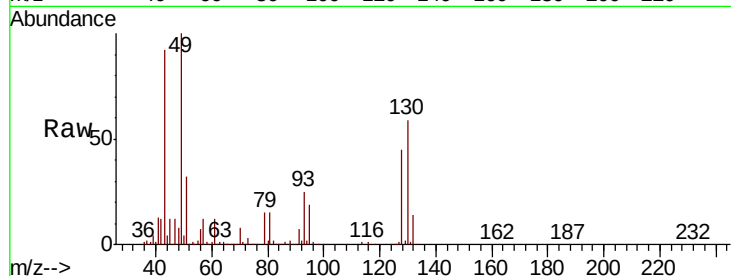
Tot Ion: 49 Resp: 1031735

Ion Ratio Lower Upper

49 100

128 49.7 26.7 80.0

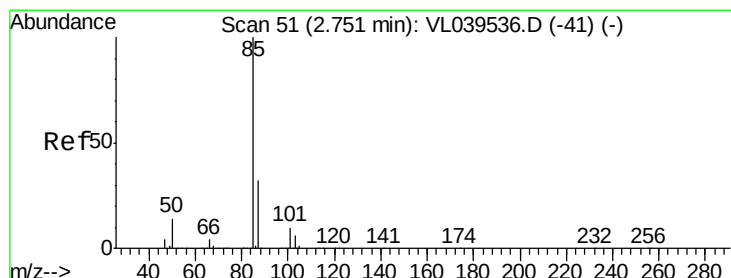
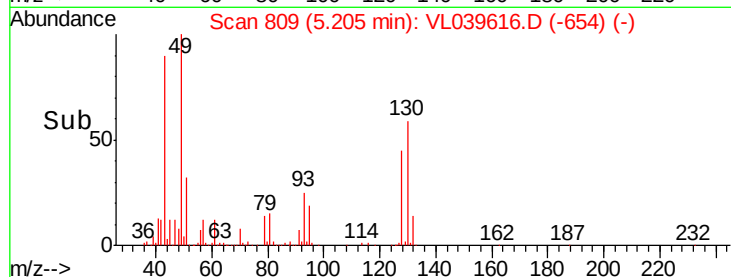
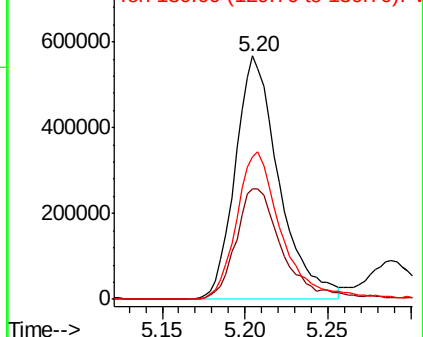
130 63.8 34.3 102.8



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: 6.255 ppbv

RT: 2.75 min Scan# 46

Delta R.T. 0.00 min

Lab File: VL039616.D

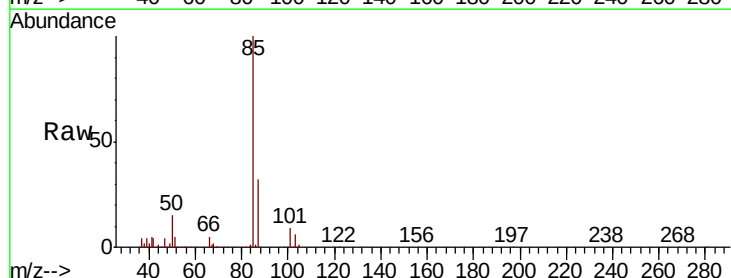
Acq: 7 Sep 2022 12:51

Tgt Ion: 85 Resp: 858709

Ion Ratio Lower Upper

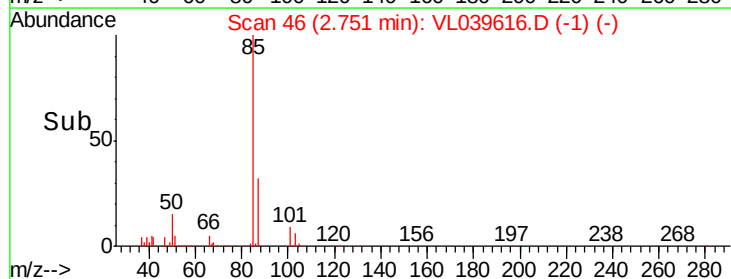
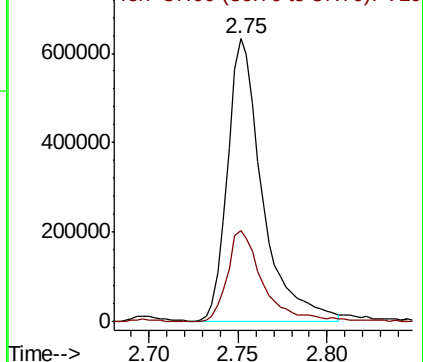
85 100

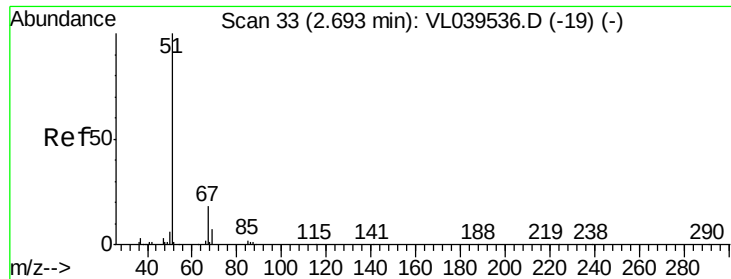
87 32.1 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.682 ppbv

RT: 2.70 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

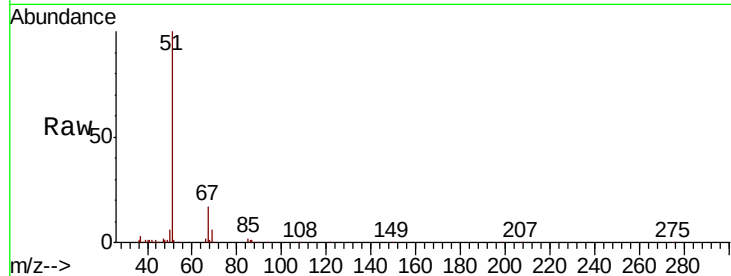
Acq: 7 Sep 2022 12:51 VL0907ABS01

Tot Ion: 51 Resp: 1190153

Ion Ratio Lower Upper

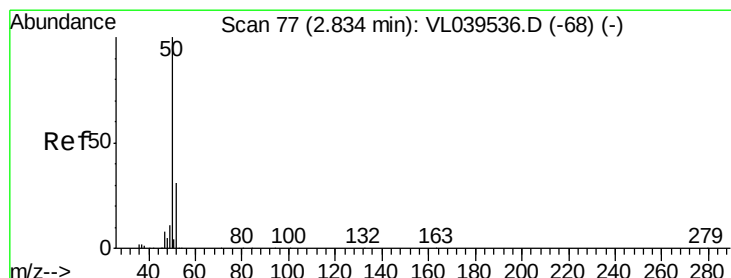
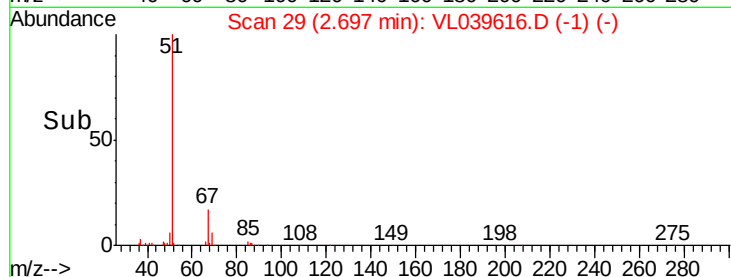
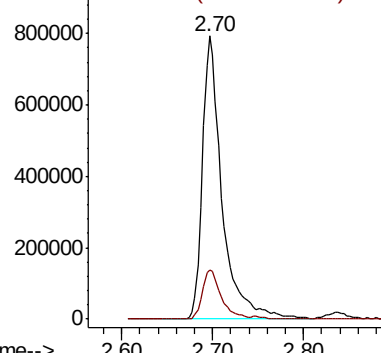
51 100

67 17.6 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: 9.614 ppbv

RT: 2.83 min Scan# 72

Delta R.T. 0.00 min

Lab File: VL039616.D

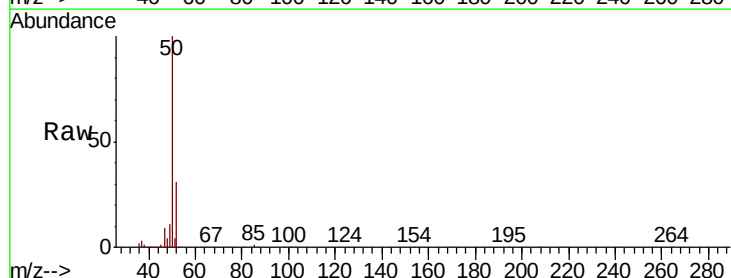
Acq: 7 Sep 2022 12:51

Tgt Ion: 50 Resp: 711853

Ion Ratio Lower Upper

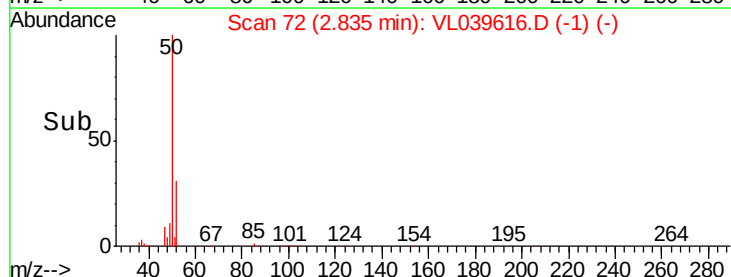
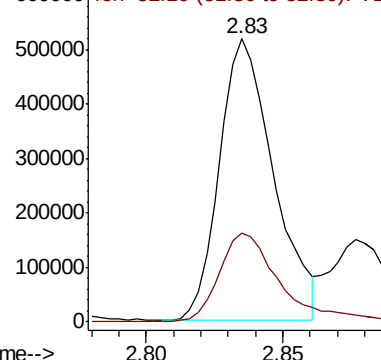
50 100

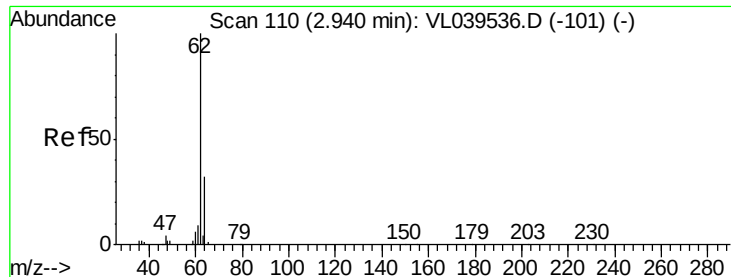
52 31.4 26.5 39.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 10.229 ppbv

RT: 2.94 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

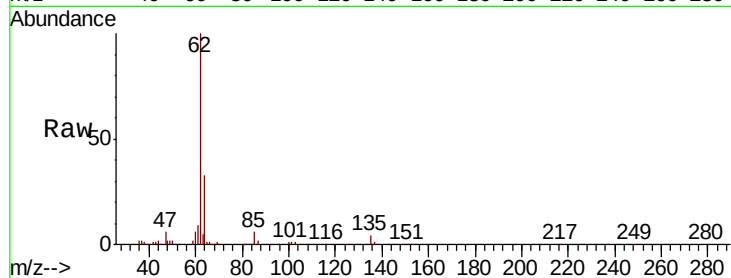
Acq: 7 Sep 2022 12:51 VL0907ABS01

Tot Ion: 62 Resp: 611243

Ion Ratio Lower Upper

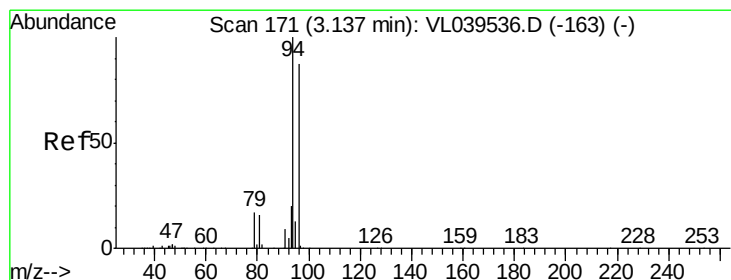
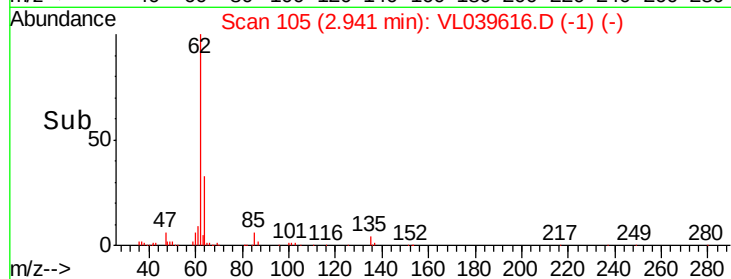
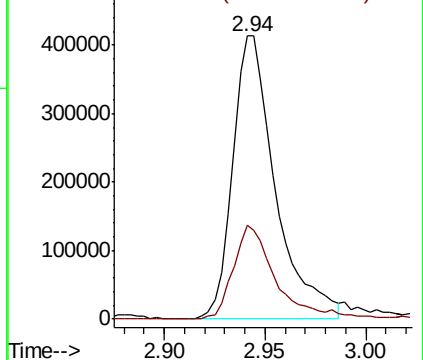
62 100

64 33.2 24.6 36.8



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.919 ppbv

RT: 3.14 min Scan# 167

Delta R.T. 0.00 min

Lab File: VL039616.D

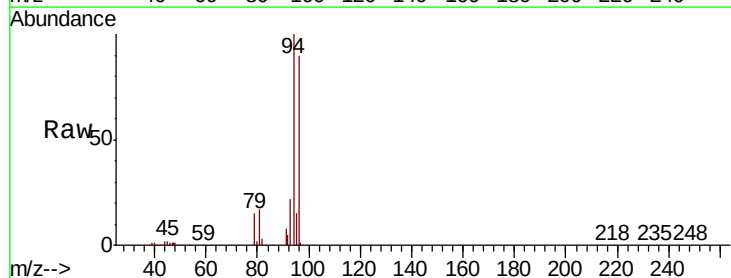
Acq: 7 Sep 2022 12:51

Tgt Ion: 94 Resp: 251383

Ion Ratio Lower Upper

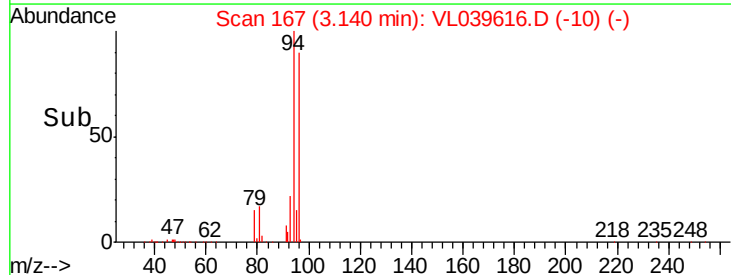
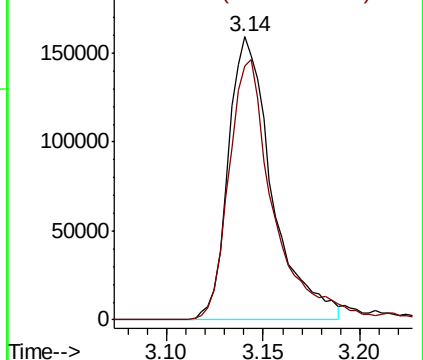
94 100

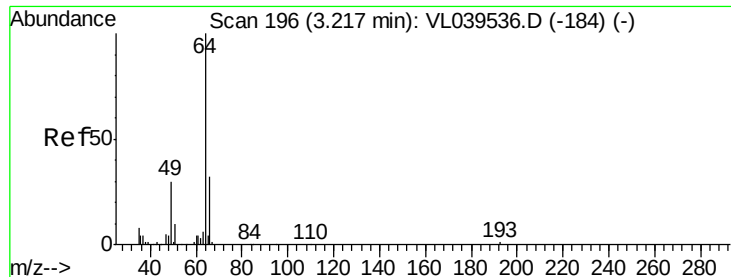
96 89.5 75.6 113.4



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.385 ppbv

RT: 3.22 Instrument: MSVOA_1

Delta R.T. 0.00 min

Lab File: VL0907ABS01 ClientSampleId:

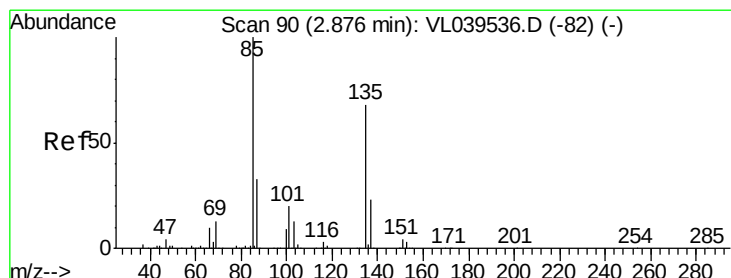
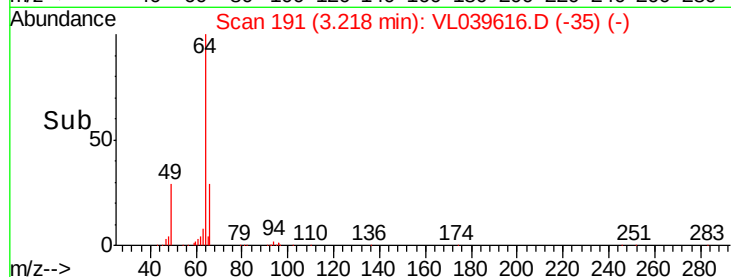
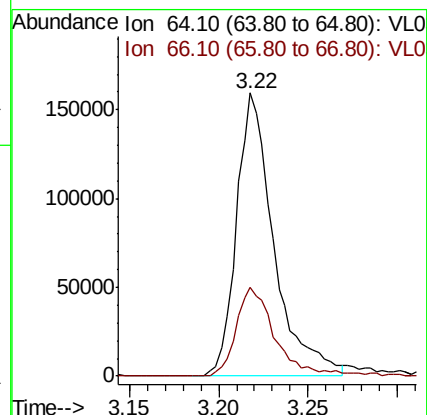
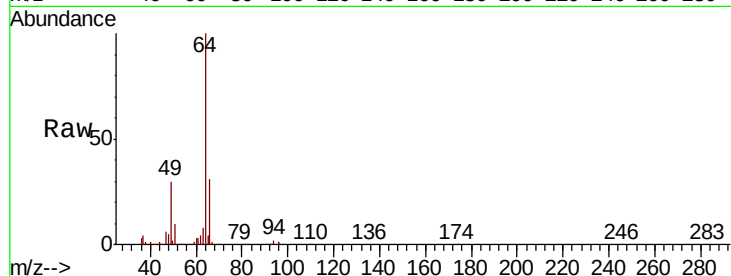
Acq: 7 Sep 2022 12:51

Tot Ion: 64 Resp: 232515

Ion Ratio Lower Upper

64 100

66 31.4 24.7 37.1



#8

Dichlorotetrafluoroethane

Concen: 9.101 ppbv

RT: 2.88 min Scan# 86

Delta R.T. 0.00 min

Lab File: VL039616.D

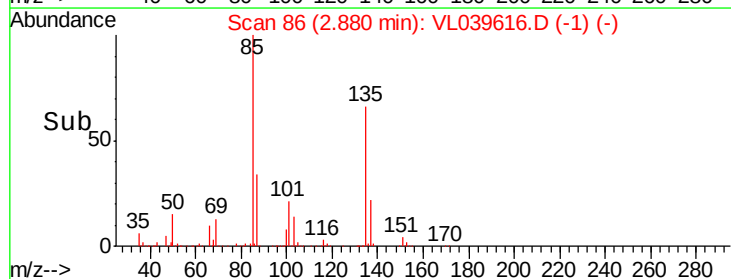
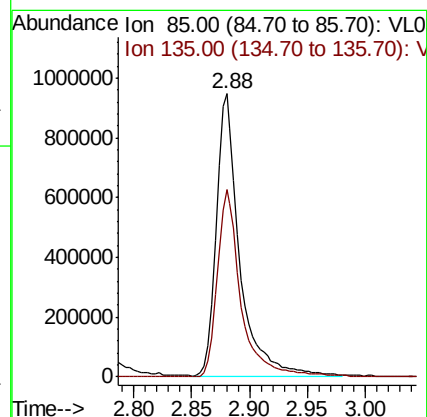
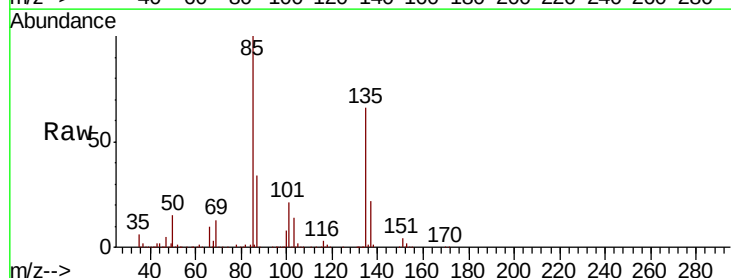
Acq: 7 Sep 2022 12:51

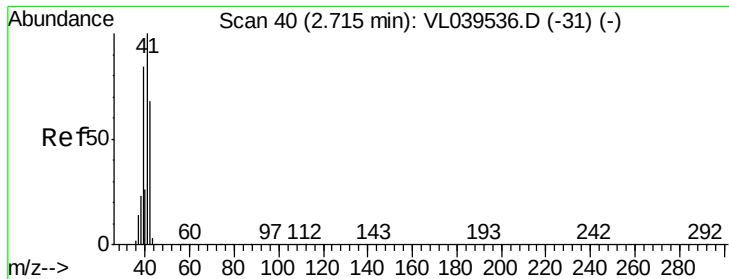
Tgt Ion: 85 Resp: 1336753

Ion Ratio Lower Upper

85 100

135 68.4 59.0 88.4





#9

Propene

Concen: 10.123 ppbv

RT: 2.72 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

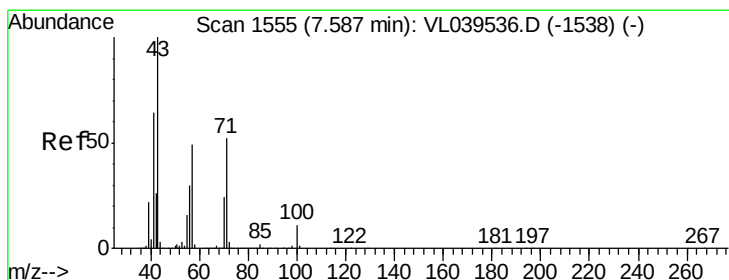
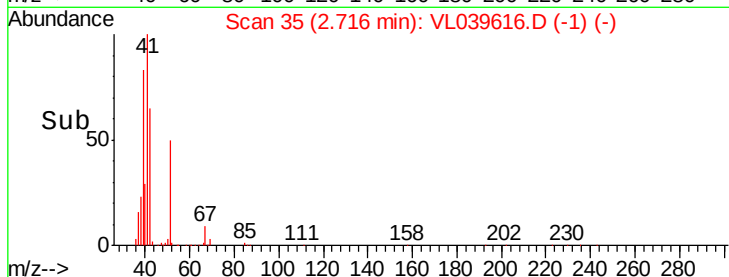
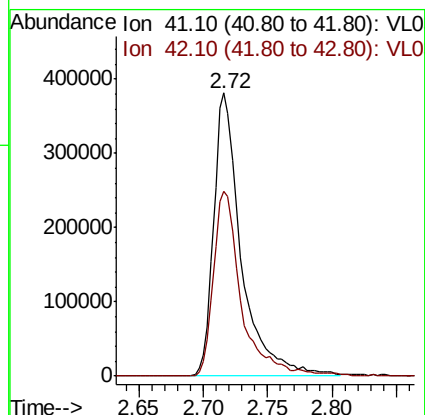
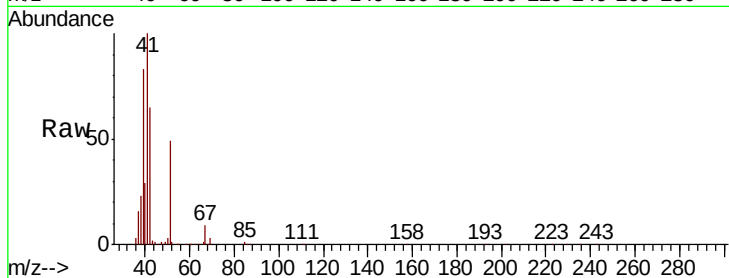
Acq: 7 Sep 2022 12:51 VL0907ABS01

Tot Ion: 41 Resp: 569365

Ion Ratio Lower Upper

41 100

42 66.2 55.2 82.8



#10

Heptane

Concen: 10.841 ppbv

RT: 7.59 min Scan# 1550

Delta R.T. 0.00 min

Lab File: VL039616.D

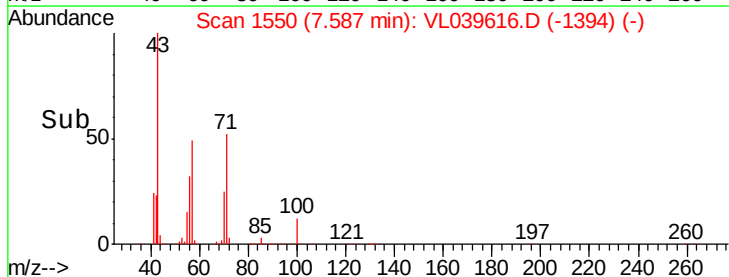
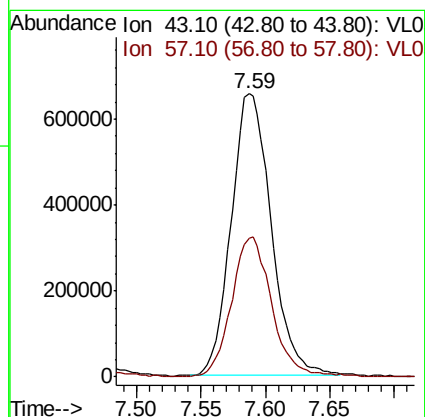
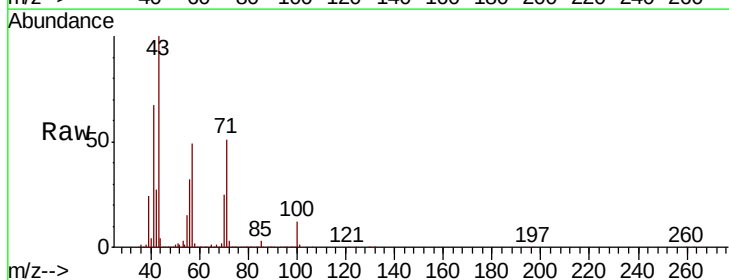
Acq: 7 Sep 2022 12:51

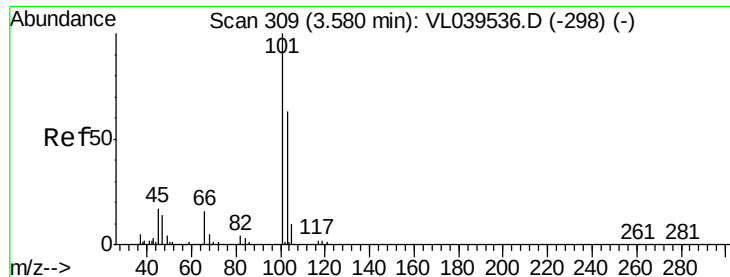
Tgt Ion: 43 Resp: 1412093

Ion Ratio Lower Upper

43 100

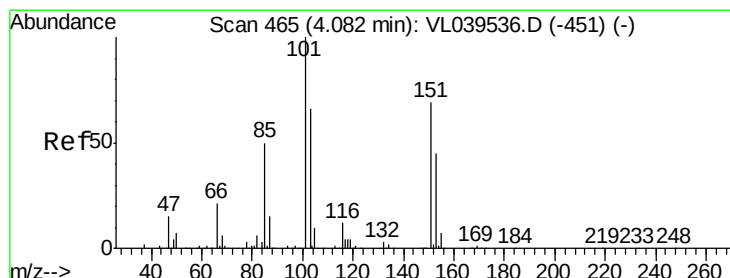
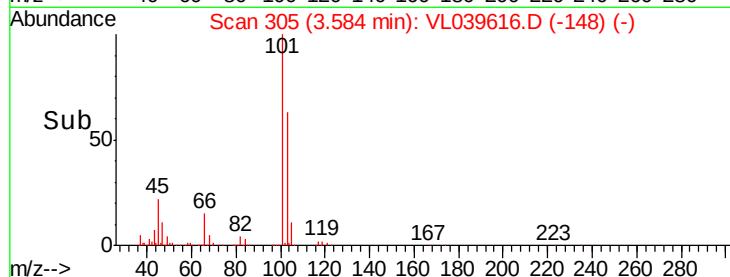
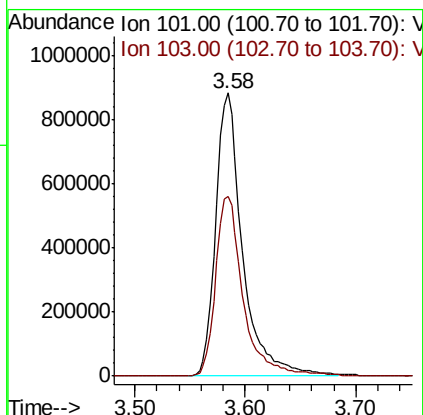
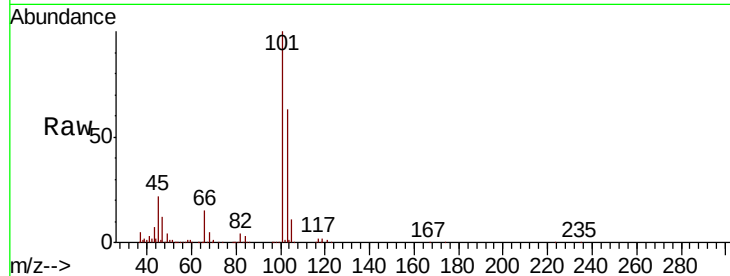
57 49.7 40.5 60.7





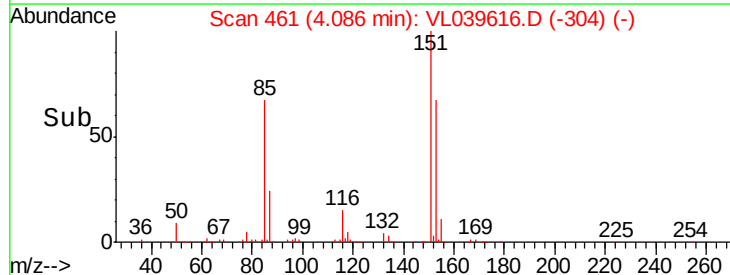
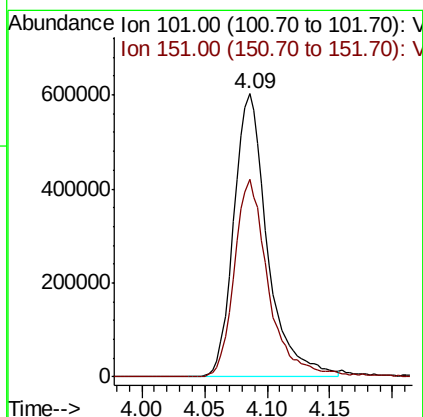
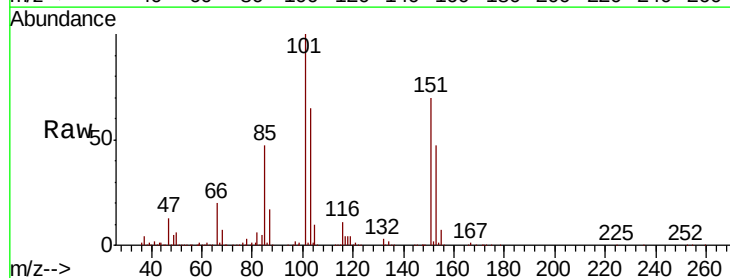
#11
 Trichlorofluoromethane
 Concen: 9.921 ppbv
 RT: 3.58
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 VL0907ABS01
 Acq: 7 Sep 2022 12:51

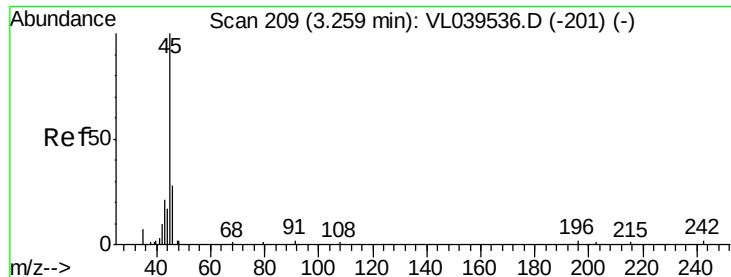
Tot Ion:101 Resp: 1494978
 Ion Ratio Lower Upper
 101 100
 103 63.4 51.8 77.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.097 ppbv
 RT: 4.09 min Scan# 461
 Delta R.T.: 0.00 min
 Lab File: VL039616.D
 Acq: 7 Sep 2022 12:51

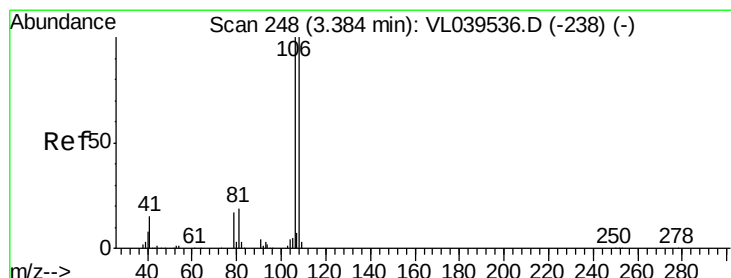
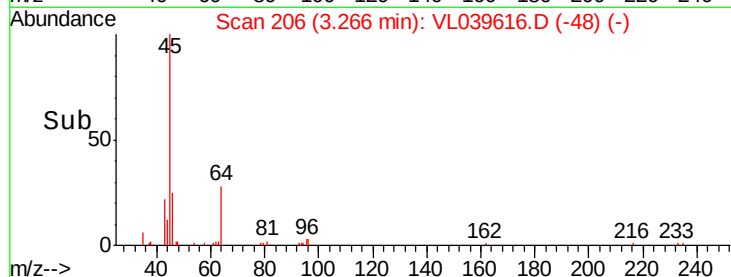
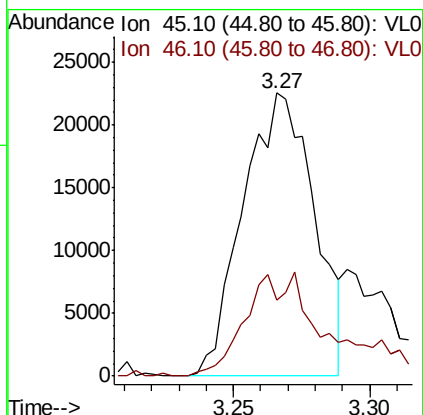
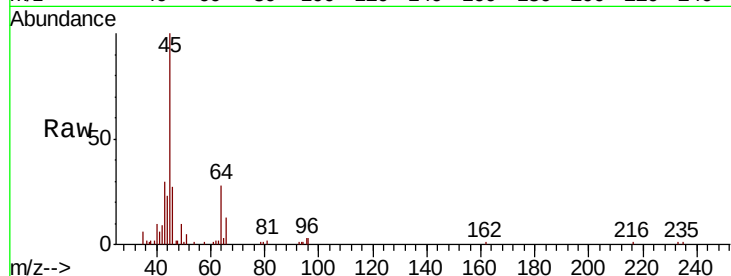
Tgt Ion:101 Resp: 1125298
 Ion Ratio Lower Upper
 101 100
 151 71.3 58.9 88.3





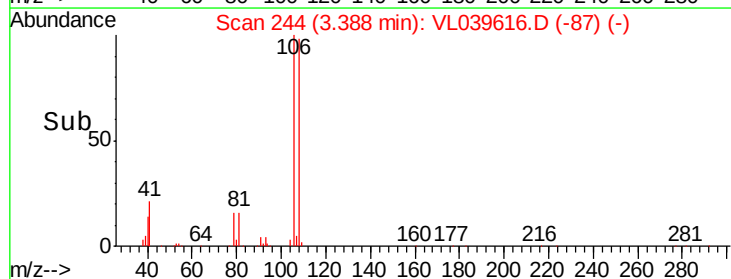
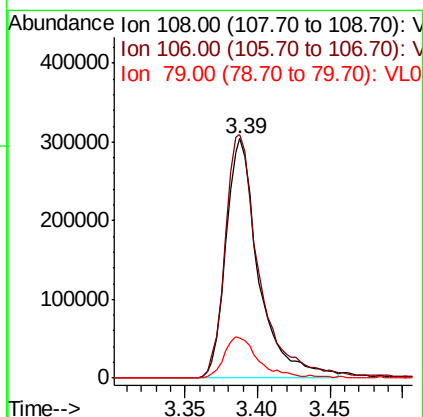
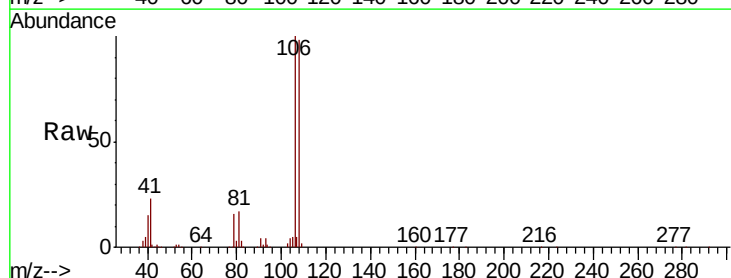
#13
Ethanol
Concen: 10.136 ppbv
RT: 3.27
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
VL0907ABS01
Acq: 7 Sep 2022 12:51

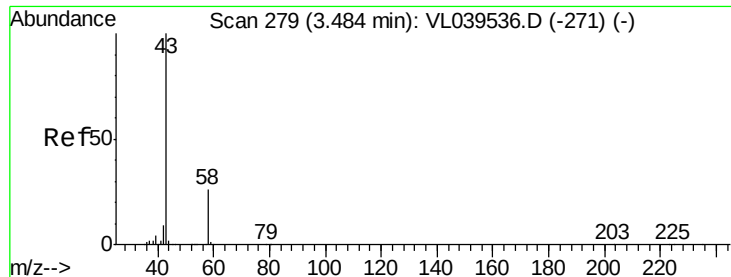
Tot Ion: 45 Resp: 40971
Ion Ratio Lower Upper
45 100
46 44.6 22.8 91.2



#14
Bromoethene
Concen: 10.487 ppbv
RT: 3.39 min Scan# 244
Delta R.T.: 0.00 min
Lab File: VL039616.D
Acq: 7 Sep 2022 12:51

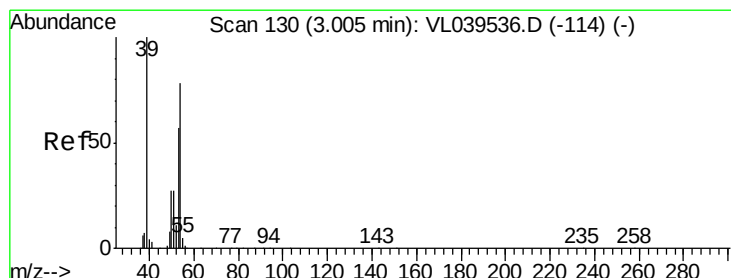
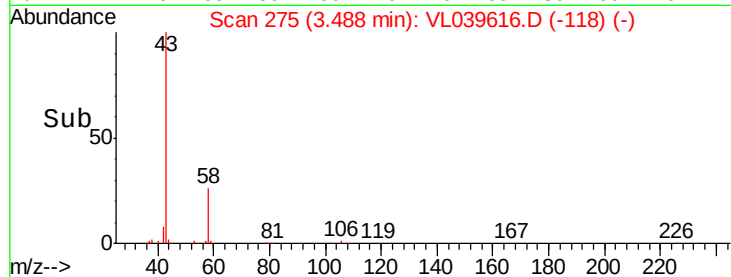
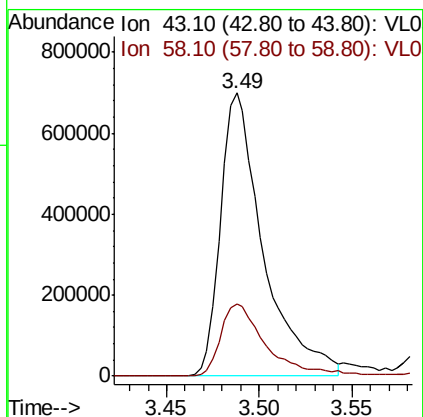
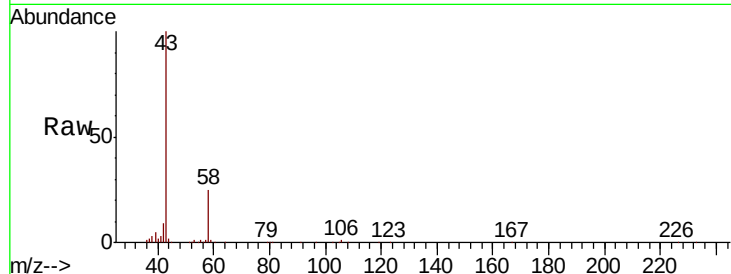
Tgt Ion: 108 Resp: 477552
Ion Ratio Lower Upper
108 100
106 107.7 87.1 130.7
79 18.5 14.6 22.0





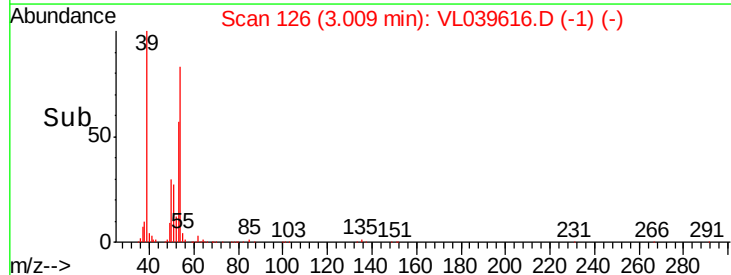
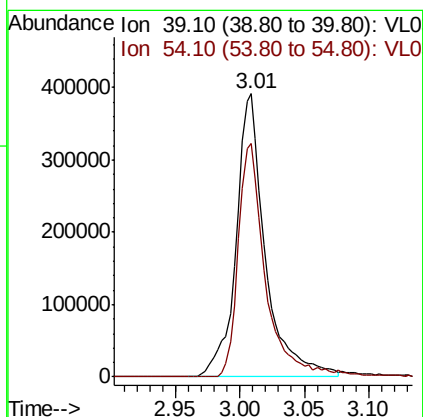
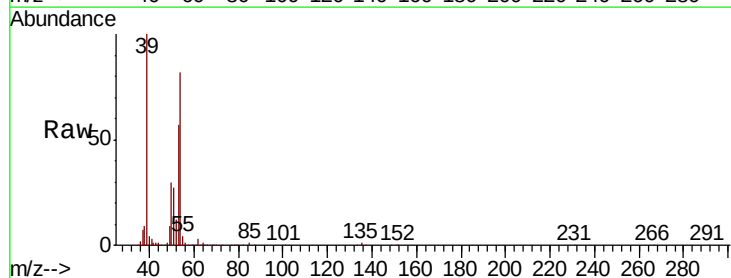
#15
Acetone
Concen: 9.651 ppbv
RT: 3.49
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 7 Sep 2022 12:51

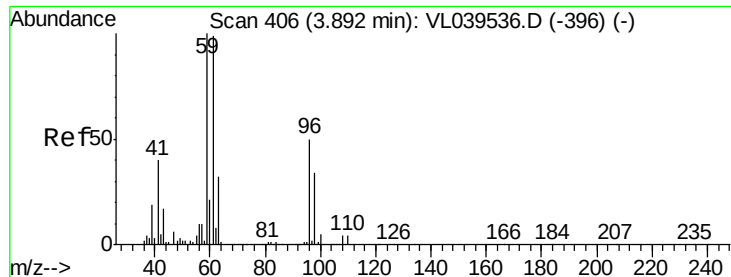
Tot Ion: 43 Resp: 1115360
Ion Ratio Lower Upper
43 100
58 27.7 21.0 31.6



#16
1,3-Butadiene
Concen: 10.173 ppbv
RT: 3.01 min Scan# 126
Delta R.T. 0.00 min
Lab File: VL039616.D
Acq: 7 Sep 2022 12:51

Tgt Ion: 39 Resp: 613465
Ion Ratio Lower Upper
39 100
54 78.8 63.7 95.5





#17

tert-Butyl alcohol

Concen: 11.121 ppbv

RT: 3.89 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId: VL0907ABS01

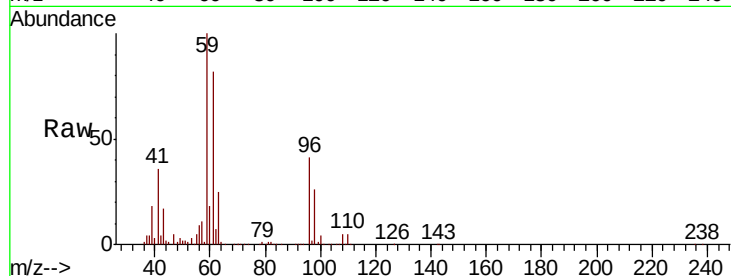
Acq: 7 Sep 2022 12:51

Tot Ion: 59 Resp: 1096904

Ion Ratio Lower Upper

59 100

57 10.6 8.7 13.1



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

3.89

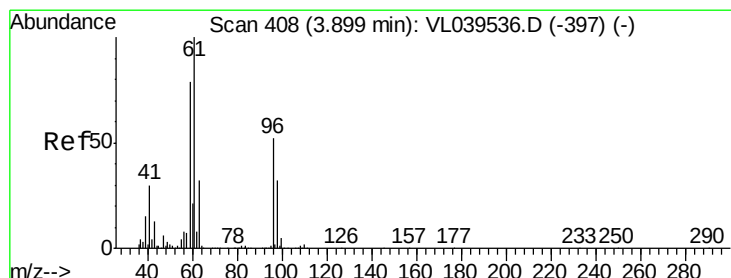
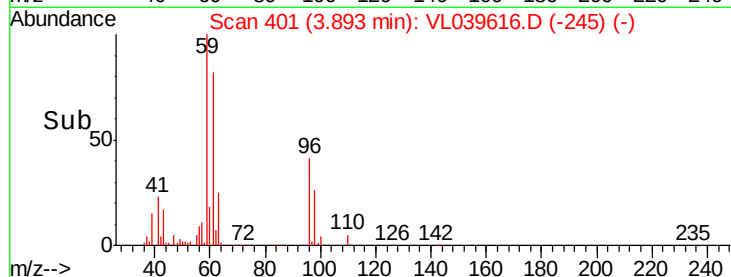
600000

400000

200000

0

Time-->



#18

1,1-Dichloroethene

Concen: 9.959 ppbv

RT: 3.90 min Scan# 403

Delta R.T. 0.00 min

Lab File: VL039616.D

Acq: 7 Sep 2022 12:51

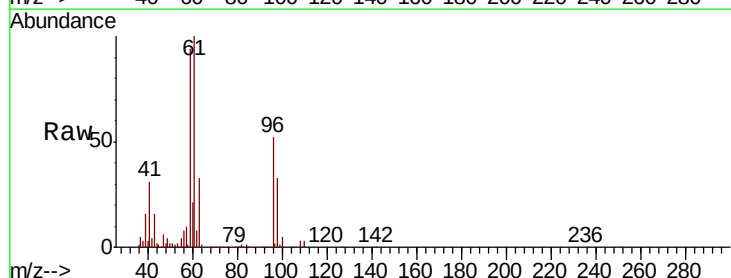
Tgt Ion: 96 Resp: 499899

Ion Ratio Lower Upper

96 100

61 191.9 152.2 228.4

98 63.4 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

800000

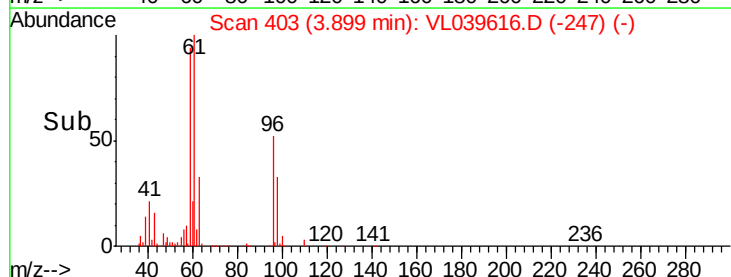
600000

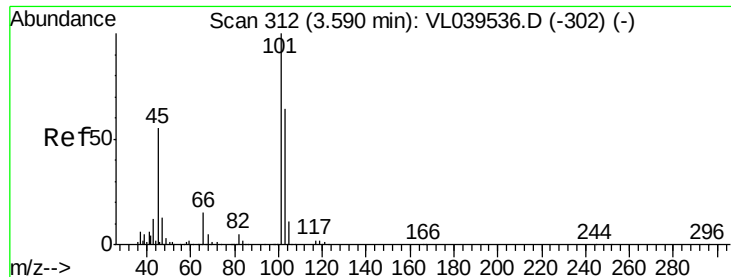
400000

200000

0

Time-->





#19

Isopropyl Alcohol

Concen: 11.819 ppbv

RT: 3.59 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL0907ABS01

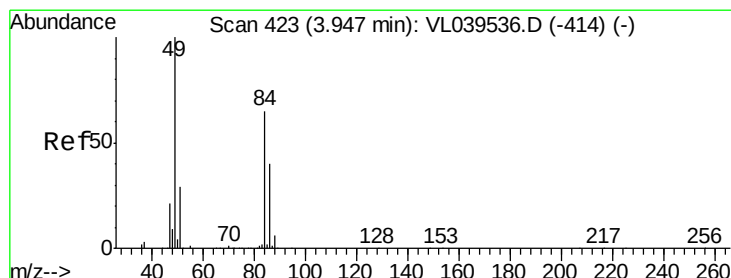
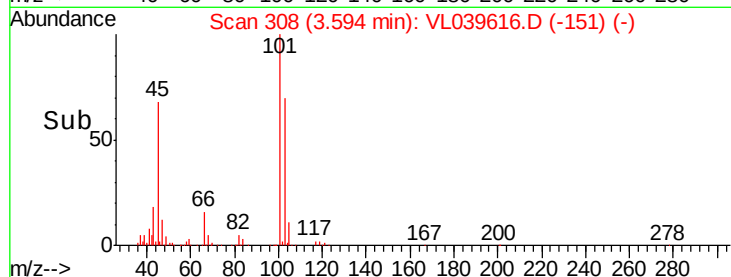
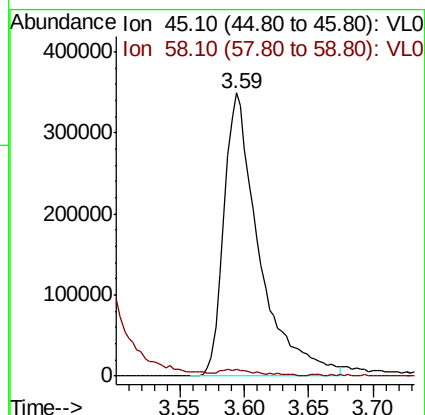
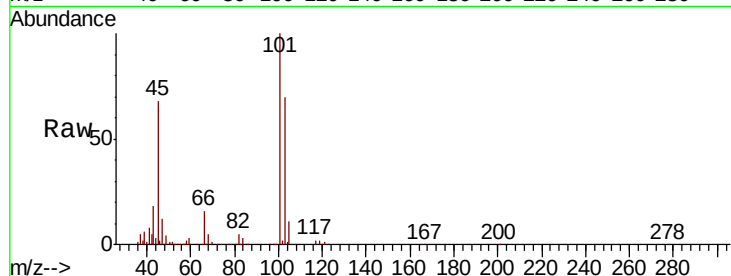
Acq: 7 Sep 2022 12:51

Tot Ion: 45 Resp: 664503

Ion Ratio Lower Upper

45 100

58 2.2 3.2 4.8#



#20

Methylene Chloride

Concen: 9.134 ppbv

RT: 3.95 min Scan# 419

Delta R.T. 0.00 min

Lab File: VL039616.D

Acq: 7 Sep 2022 12:51

Tgt Ion: 84 Resp: 428850

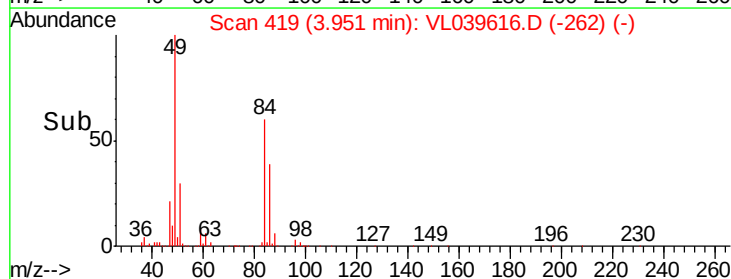
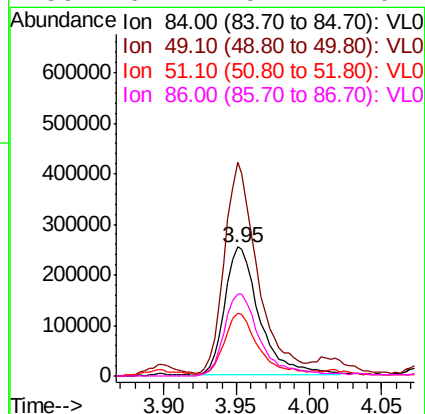
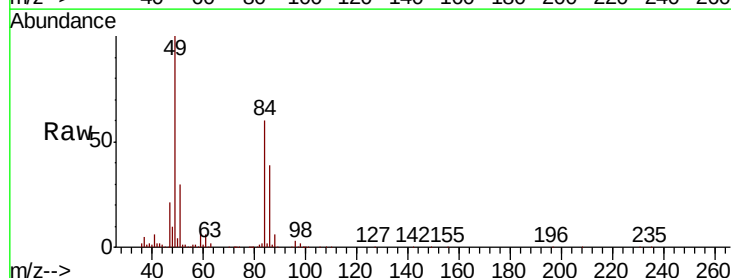
Ion Ratio Lower Upper

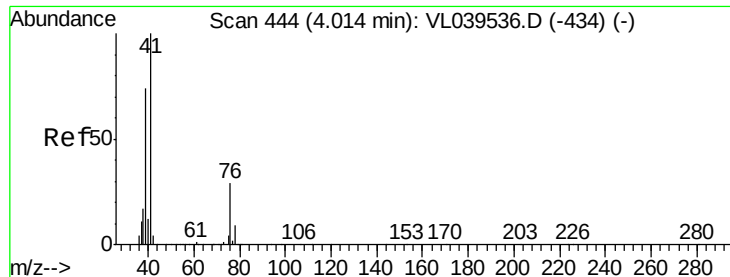
84 100

49 163.6 123.1 184.7

51 46.4 34.4 51.6

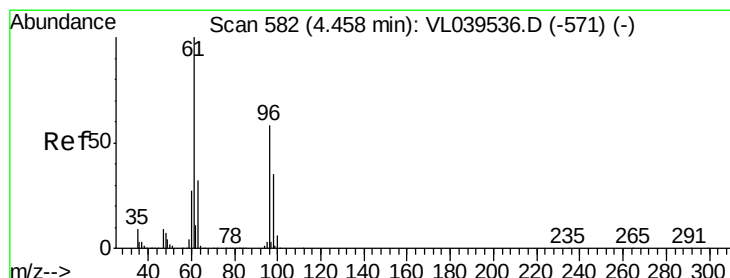
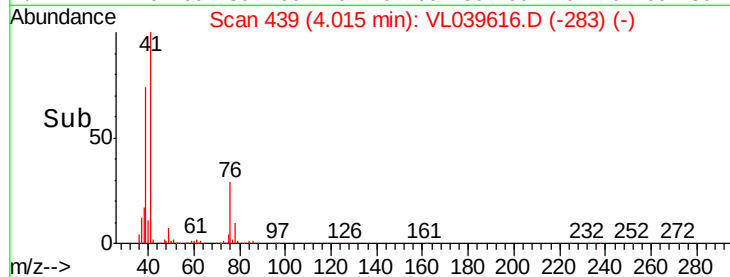
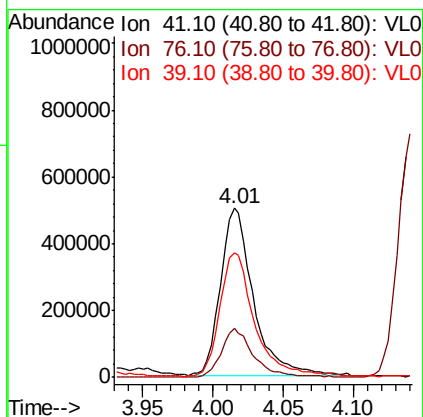
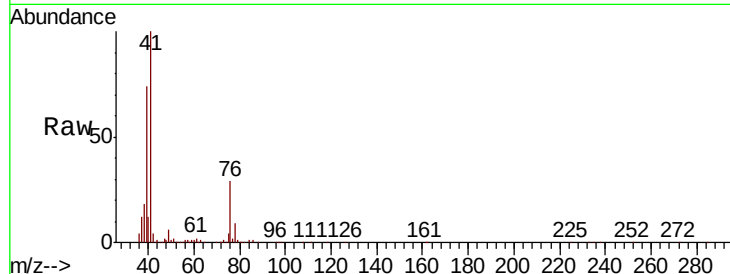
86 64.1 51.1 76.7





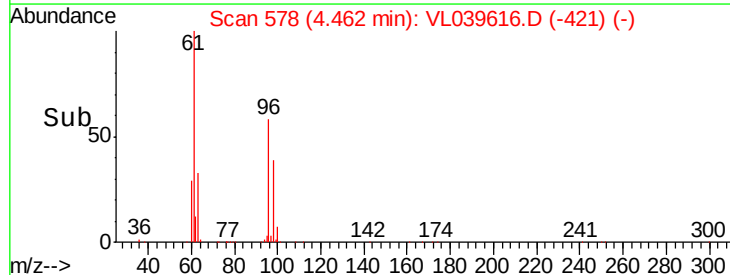
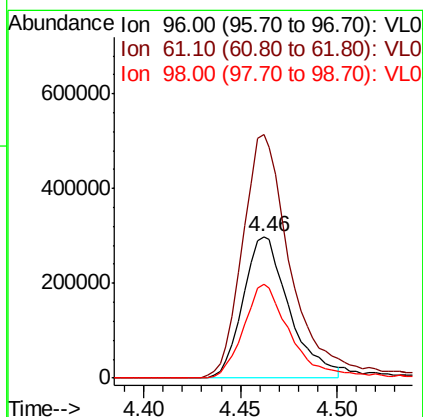
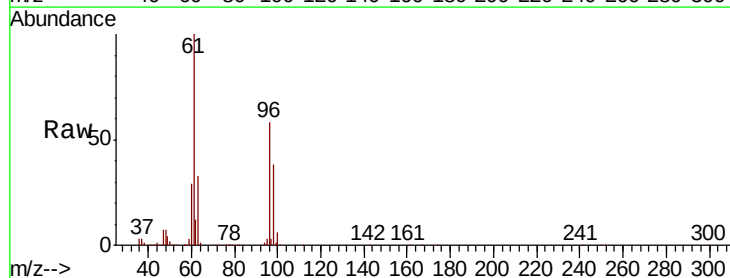
#21
 Allvl Chloride
 Concen: 10.789 ppbv
 RT: 4.01
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0907ABS01
 Acq: 7 Sep 2022 12:51

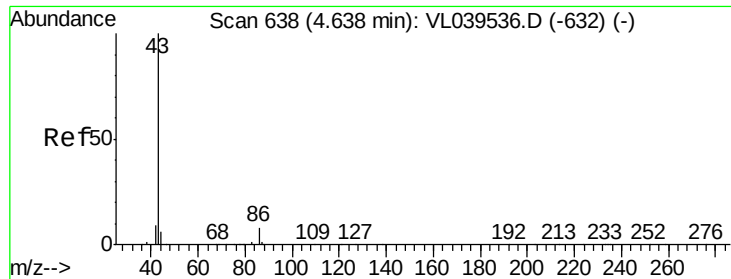
Tot Ion	Ratio	Lower	Upper
41	100		
76	29.1	24.4	36.6
39	80.3	63.5	95.3



#22
 trans-1,2-Dichloroethene
 Concen: 9.929 ppbv
 RT: 4.46 min Scan# 578
 Delta R.T. 0.00 min
 Lab File: VL039616.D
 Acq: 7 Sep 2022 12:51

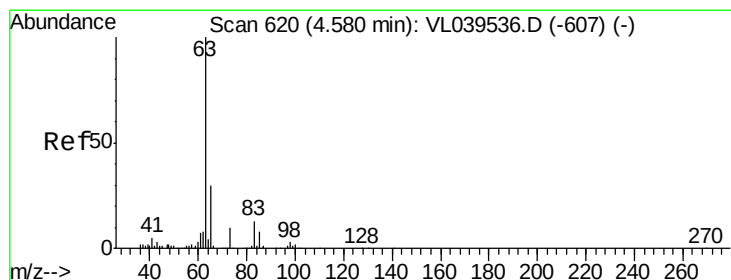
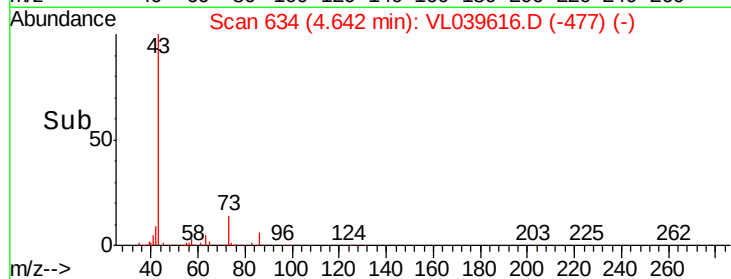
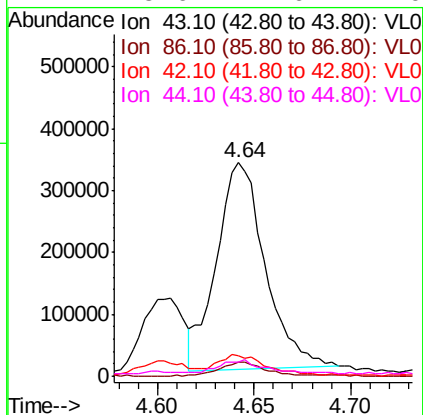
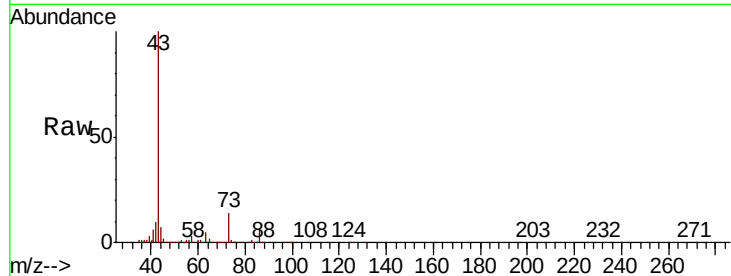
Tgt Ion	Ratio	Lower	Upper
96	100		
61	172.3	130.6	195.8
98	66.2	53.4	80.0





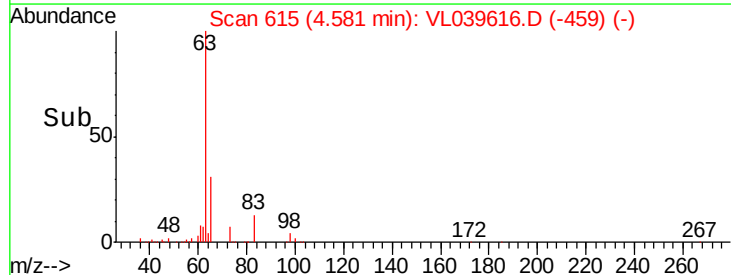
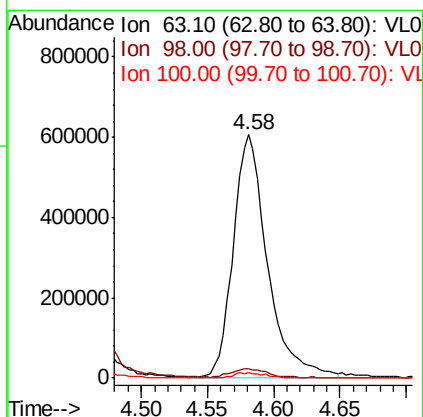
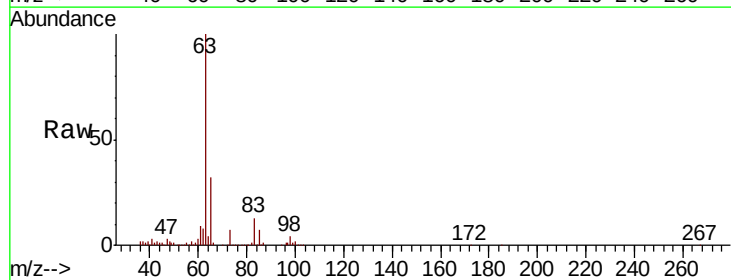
#23
 Vinyl Acetate
 Concen: 10.677 ppbv
 RT: 4.64
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0907ABS01
 Acq: 7 Sep 2022 12:51

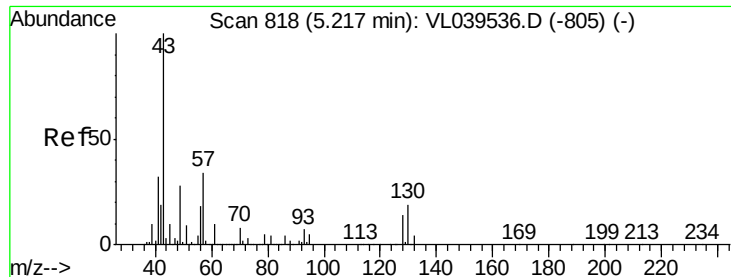
Tot Ion:	43	Resp:	586754
Ion	Ratio	Lower	Upper
43	100		
86	6.3	5.0	7.6
42	9.6	7.7	11.5
44	5.6	4.6	7.0



#24
 1,1-Dichloroethane
 Concen: 10.598 ppbv
 RT: 4.58 min Scan# 615
 Delta R.T. 0.00 min
 Lab File: VL039616.D
 Acq: 7 Sep 2022 12:51

Tgt Ion:	63	Resp:	1078056
Ion	Ratio	Lower	Upper
63	100		
98	3.7	1.8	5.3
100	2.2	1.5	4.4

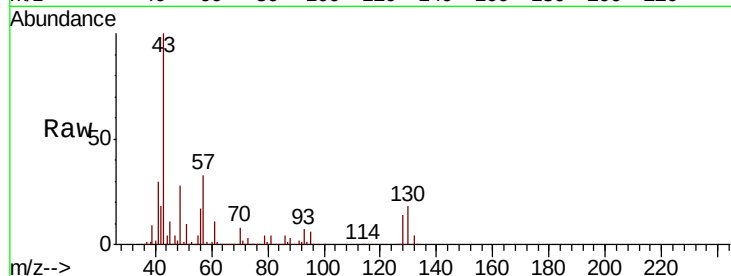




#25
Ethyl Acetate
Concen: 10.219 ppbv
RT: 5.22
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0907ABS01
Acq: 7 Sep 2022 12:51

Tot Ion: 43 Resp: 2527131

Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.2	12.4
61	10.4	8.3	12.5
70	7.2	5.9	8.9



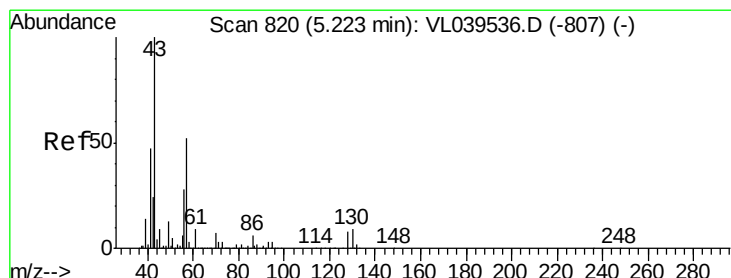
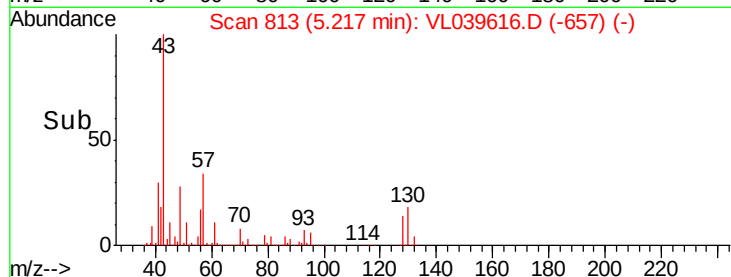
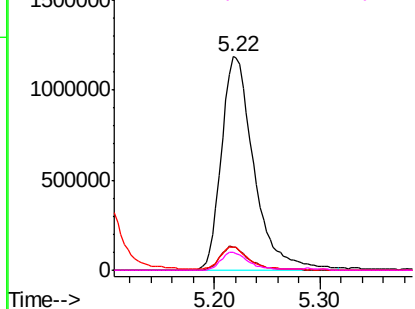
Abundance

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

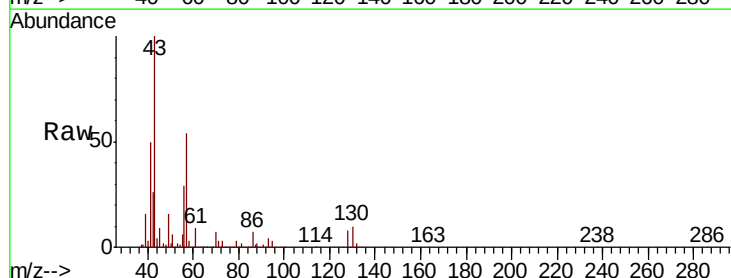
Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 10.367 ppbv
RT: 5.23 min Scan# 816
Delta R.T.: 0.00 min
Lab File: VL039616.D
Acq: 7 Sep 2022 12:51

Tgt Ion: 57 Resp: 1046338

Ion	Ratio	Lower	Upper
57	100		
41	94.1	76.9	115.3
43	244.4	191.0	286.6
56	53.1	43.2	64.8



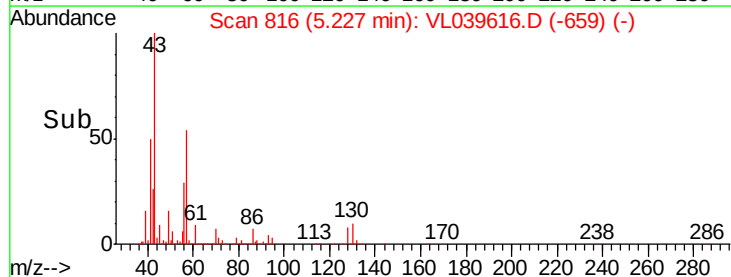
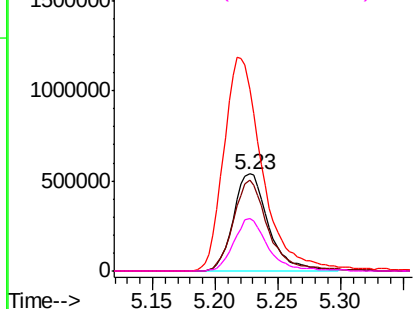
Abundance

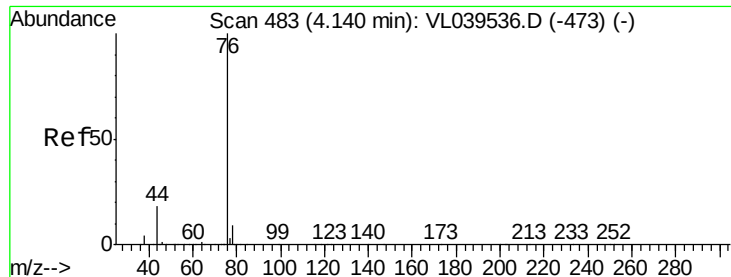
Ion 57.10 (56.80 to 57.80): VL0

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: 11.798 ppbv

RT: 4.14 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 7 Sep 2022 12:51 VL0907ABS01

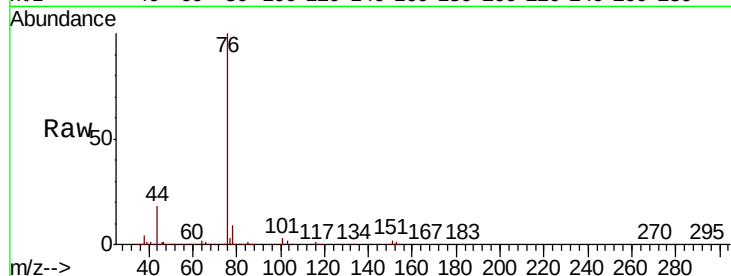
Tot Ion: 76 Resp: 1272078

Ion	Ratio	Lower	Upper
76	100		
44	18.4	14.6	21.8
78	9.5	7.8	11.6

76 100

44 18.4 14.6 21.8

78 9.5 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

800000

4.14

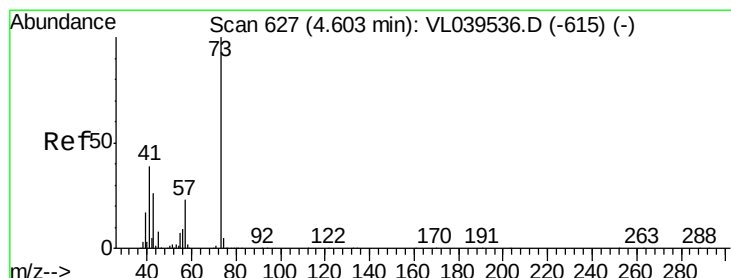
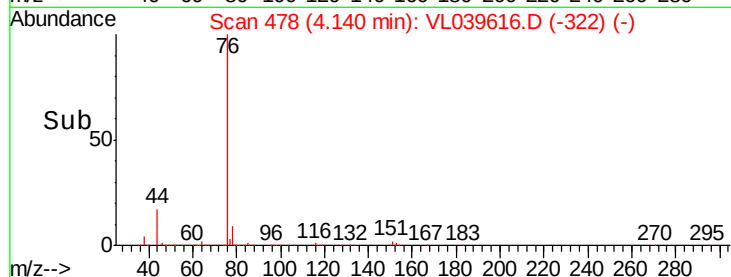
600000

400000

200000

0

Time--> 4.05 4.10 4.15 4.20 4.25



#28

Methyl tert-Butyl Ether

Concen: 10.499 ppbv

RT: 4.60 min Scan# 622

Delta R.T. 0.00 min

Lab File: VL039616.D

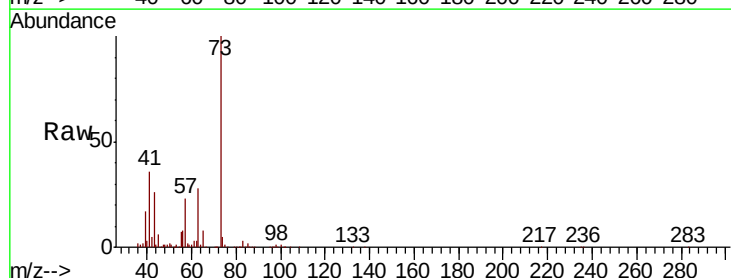
Acq: 7 Sep 2022 12:51

Tgt Ion: 73 Resp: 914176

Ion	Ratio	Lower	Upper
73	100		
57	23.4	19.8	29.8

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

500000

4.60

400000

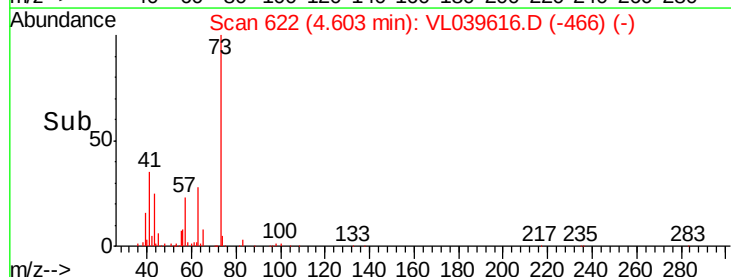
300000

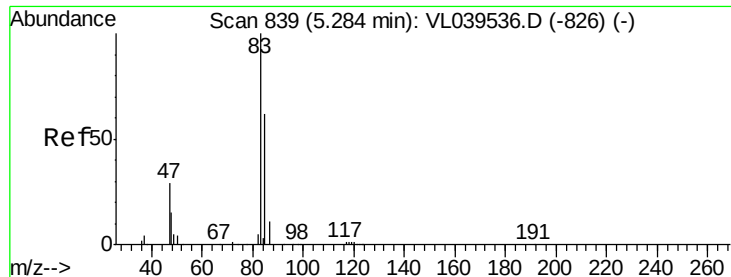
200000

100000

0

Time--> 4.55 4.60 4.65





#29

Chloroform

Concen: 10.002 ppbv

RT: 5.29 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

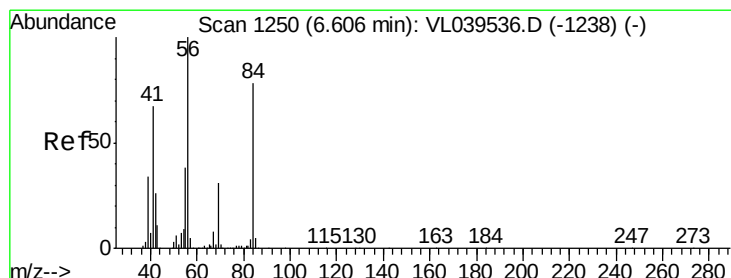
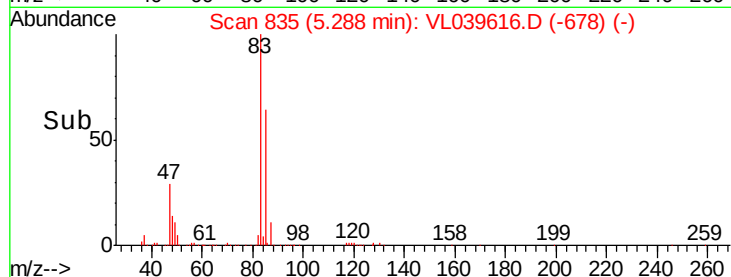
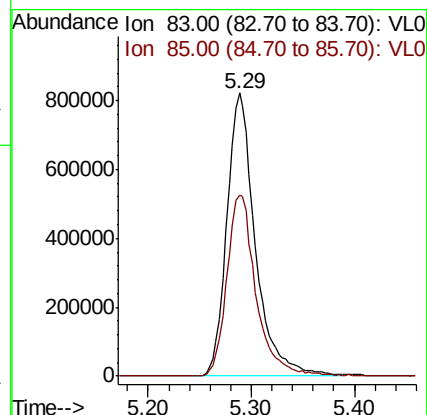
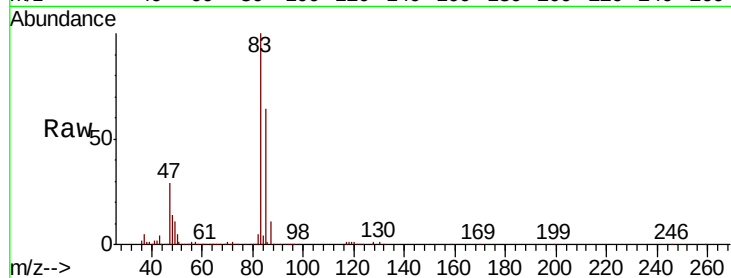
Acq: 7 Sep 2022 12:51 VL0907ABS01

Tot Ion: 83 Resp: 1578857

Ion Ratio Lower Upper

83 100

85 63.7 52.8 79.2



#30

Cyclohexane

Concen: 10.339 ppbv

RT: 6.61 min Scan# 1247

Delta R.T. 0.01 min

Lab File: VL039616.D

Acq: 7 Sep 2022 12:51

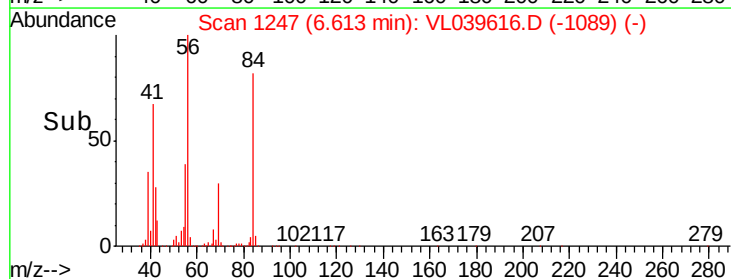
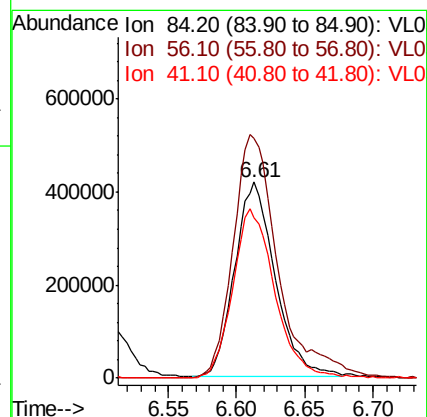
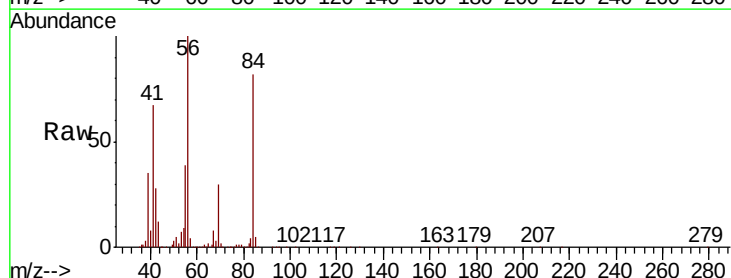
Tgt Ion: 84 Resp: 864075

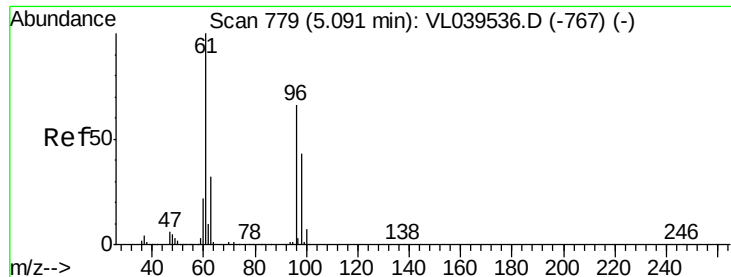
Ion Ratio Lower Upper

84 100

56 140.0 107.7 161.5

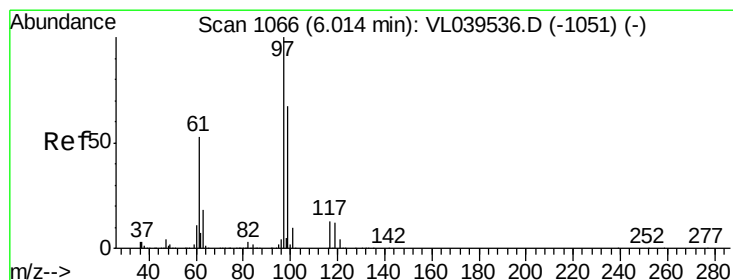
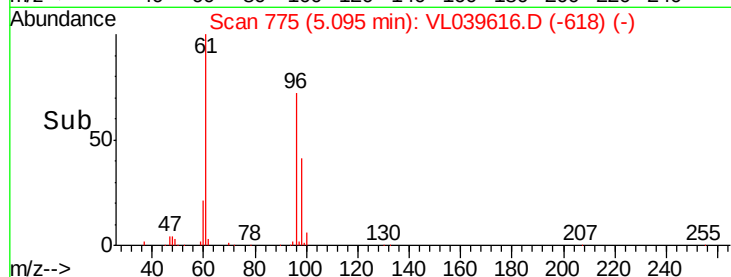
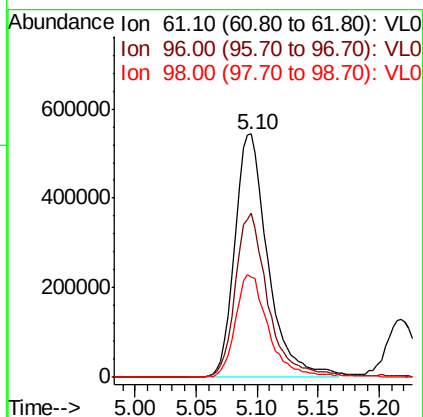
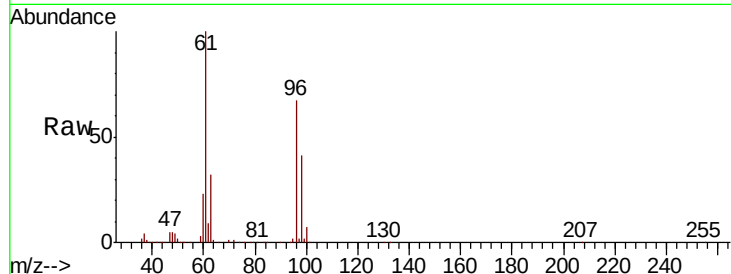
41 91.2 67.7 101.5





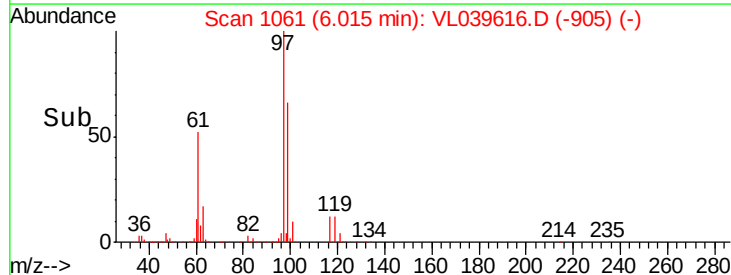
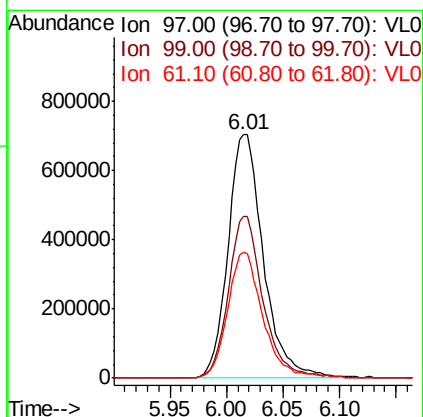
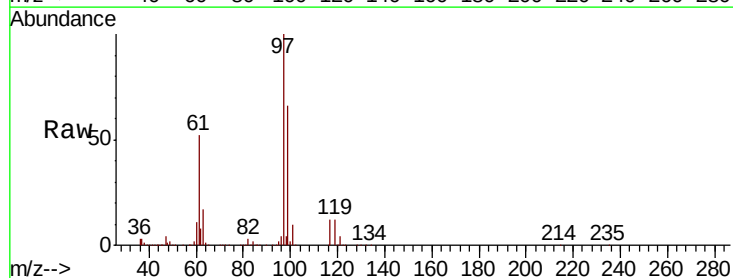
#31
 cis-1,2-Dichloroethene
 Concen: 10.452 ppbv
 RT: 5.10
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 VL0907ABS01
 Acq: 7 Sep 2022 12:51

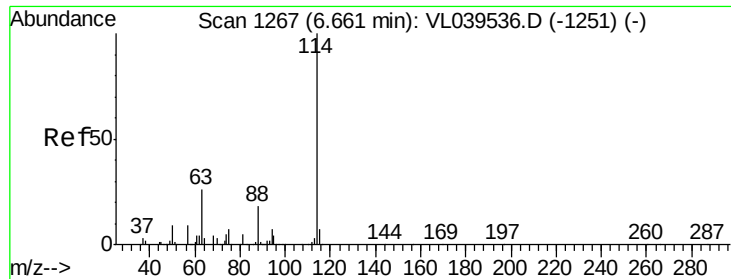
Tot Ion: 61 Resp: 1021830
 Ion Ratio Lower Upper
 61 100
 96 67.3 54.1 81.1
 98 41.5 34.6 52.0



#32
 1,1,1-Trichloroethane
 Concen: 11.052 ppbv
 RT: 6.01 min Scan# 1061
 Delta R.T. 0.00 min
 Lab File: VL039616.D
 Acq: 7 Sep 2022 12:51

Tgt Ion: 97 Resp: 1534739
 Ion Ratio Lower Upper
 97 100
 99 65.3 52.3 78.5
 61 51.6 40.9 61.3

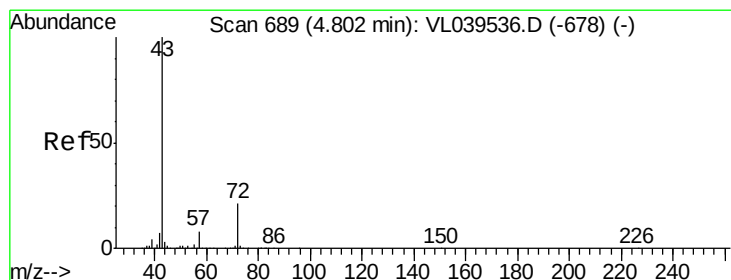
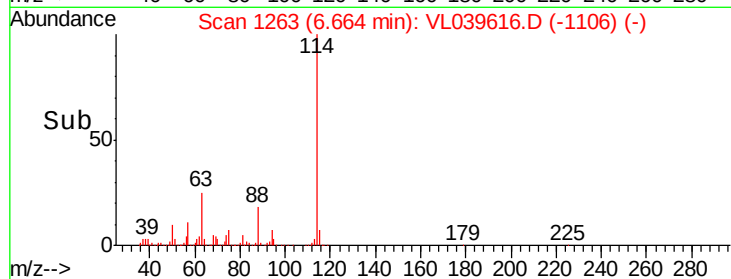
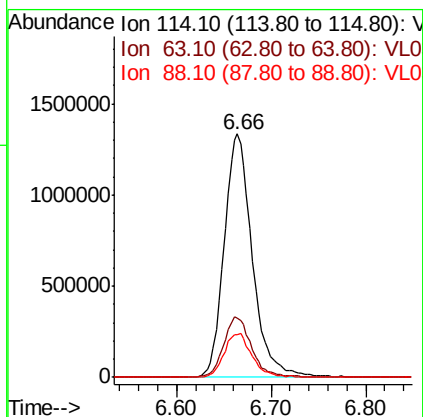
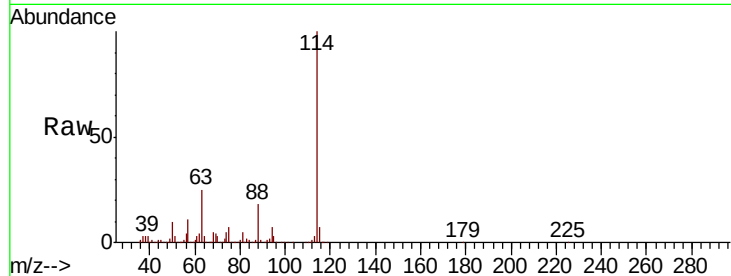




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 6.66
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VL0907ABS01
 Acq: 7 Sep 2022 12:51

Tot Ion:114 Resp: 2756873

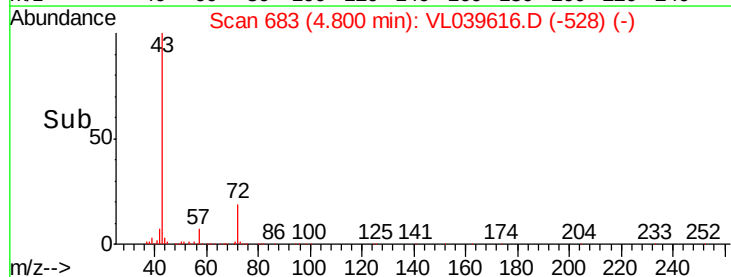
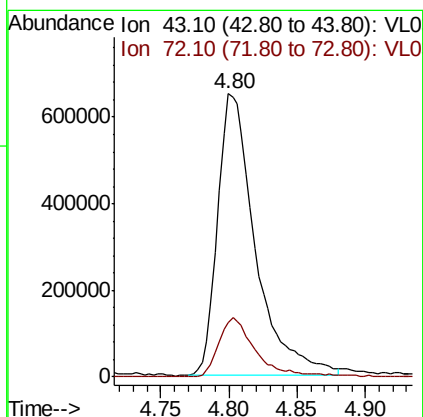
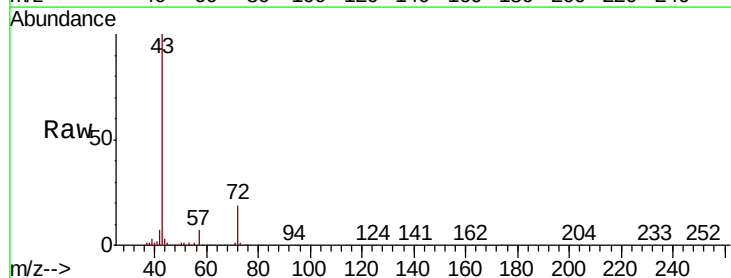
Ion	Ratio	Lower	Upper
114	100		
63	24.9	20.2	30.4
88	18.0	14.5	21.7

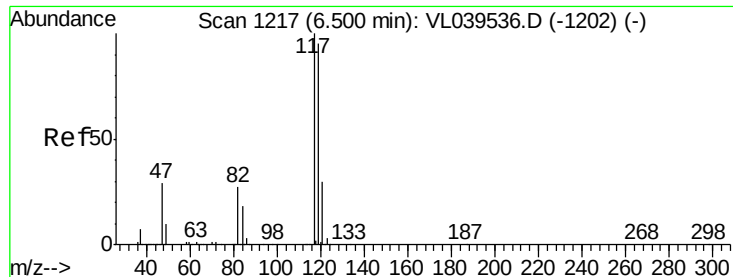


#34
 2-Butanone
 Concen: 9.193 ppbv
 RT: 4.80 min Scan# 683
 Delta R.T.: -0.00 min
 Lab File: VL039616.D
 Acq: 7 Sep 2022 12:51

Tgt Ion: 43 Resp: 1259997

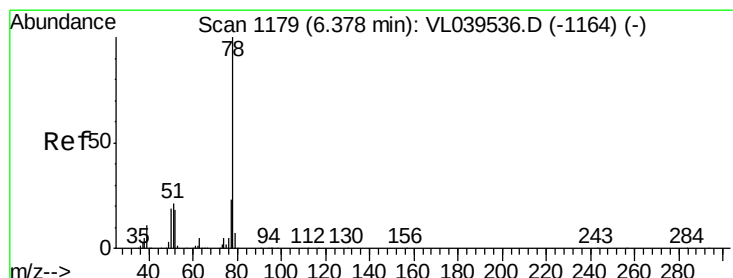
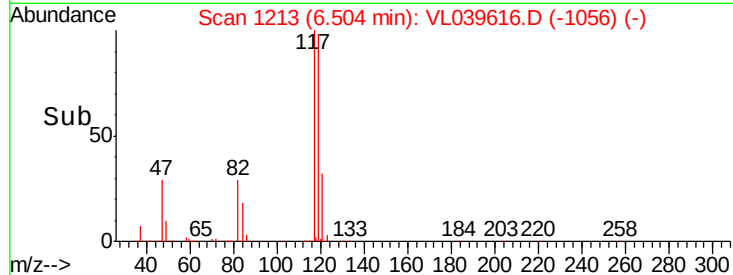
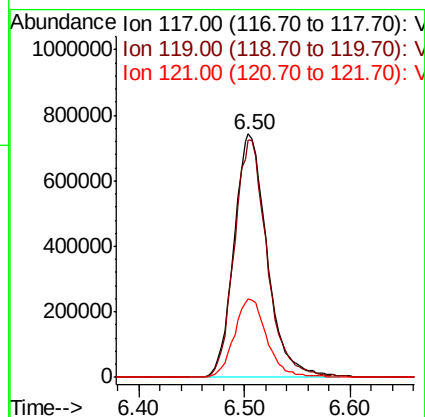
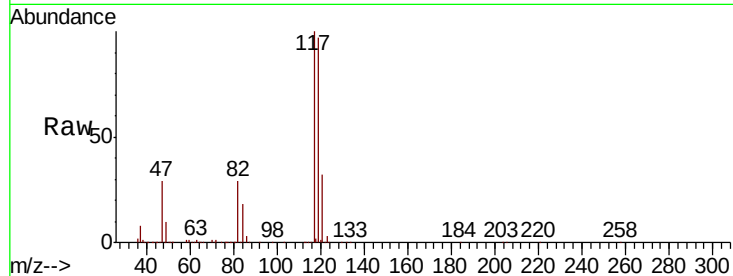
Ion	Ratio	Lower	Upper
43	100		
72	21.2	17.9	26.9





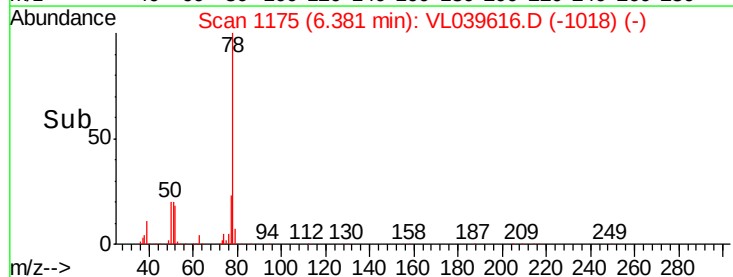
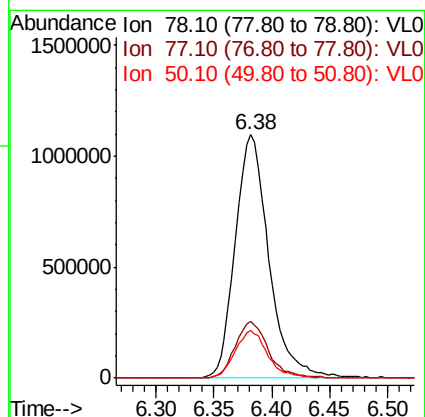
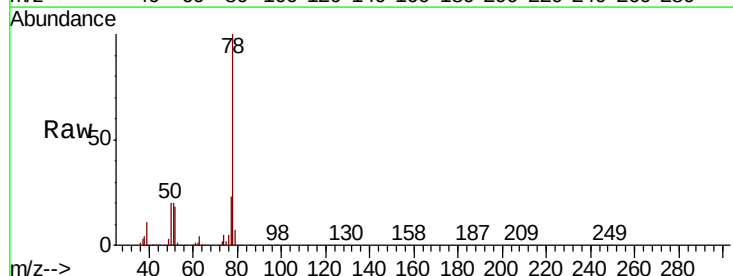
#35
Carbon Tetrachloride
Concen: 10.857 ppbv
RT: 6.50
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId : VL0907ABS01
Acq: 7 Sep 2022 12:51

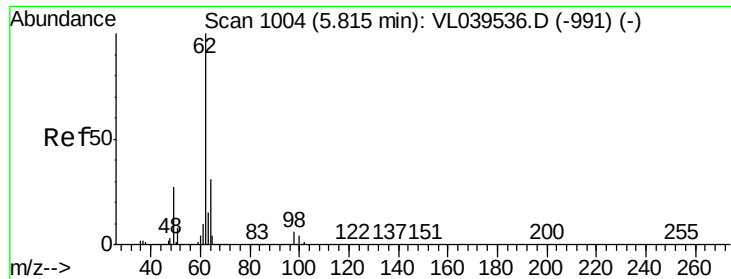
Tot Ion:117 Resp: 1617977
Ion Ratio Lower Upper
117 100
119 97.2 75.4 113.2
121 32.0 24.2 36.2



#36
Benzene
Concen: 10.485 ppbv
RT: 6.38 min Scan# 1175
Delta R.T.: 0.00 min
Lab File: VL039616.D
Acq: 7 Sep 2022 12:51

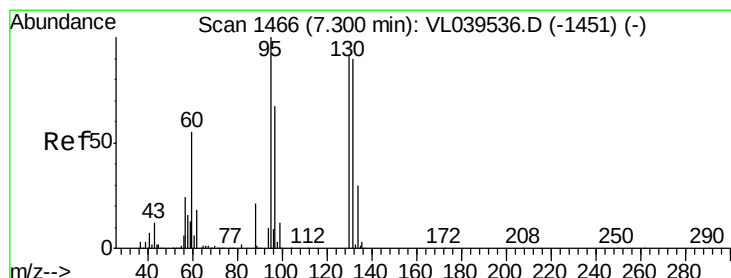
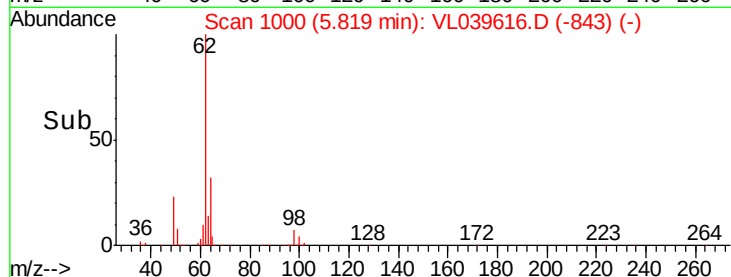
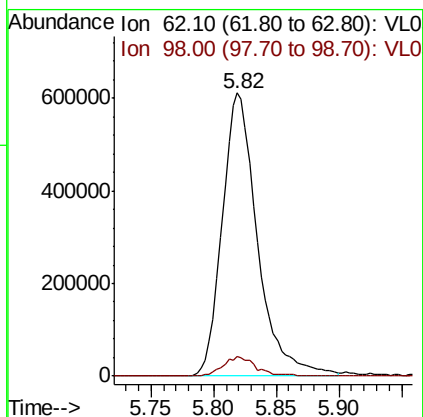
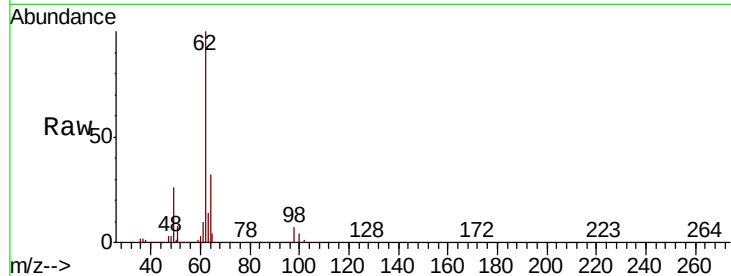
Tgt Ion: 78 Resp: 2203330
Ion Ratio Lower Upper
78 100
77 23.1 20.3 30.5
50 19.7 15.5 23.3





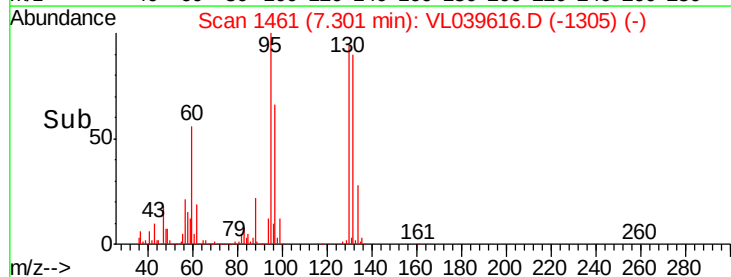
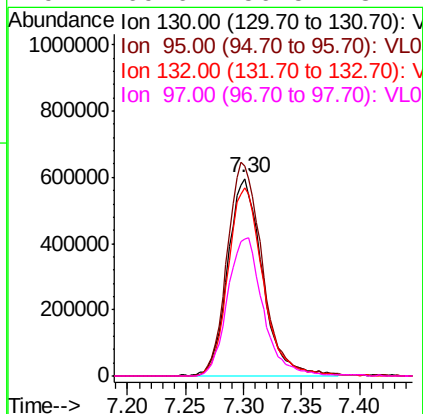
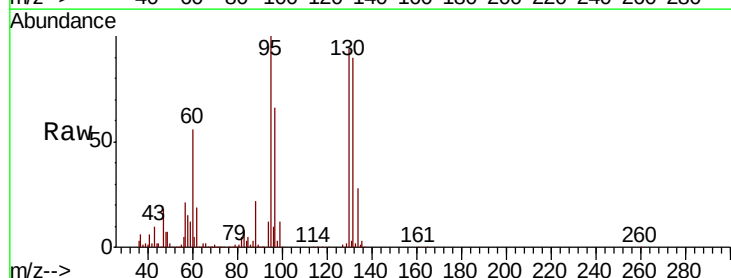
#37
 1,2-Dichloroethane
 Concen: 10.226 ppbv
 RT: 5.82
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0907ABS01
 Acq: 7 Sep 2022 12:51

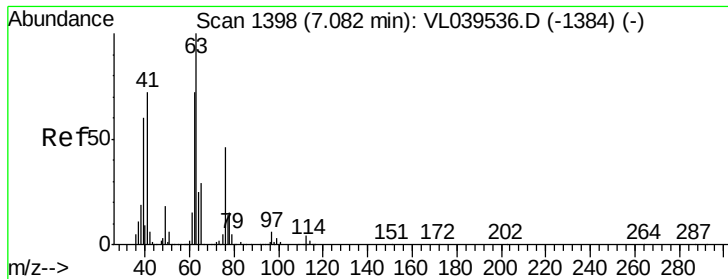
Tot Ion: 62 Resp: 1183766
 Ion Ratio Lower Upper
 62 100
 98 6.8 5.1 7.7



#38
 Trichloroethene
 Concen: 10.876 ppbv
 RT: 7.30 min Scan# 1461
 Delta R.T. 0.00 min
 Lab File: VL039616.D
 Acq: 7 Sep 2022 12:51

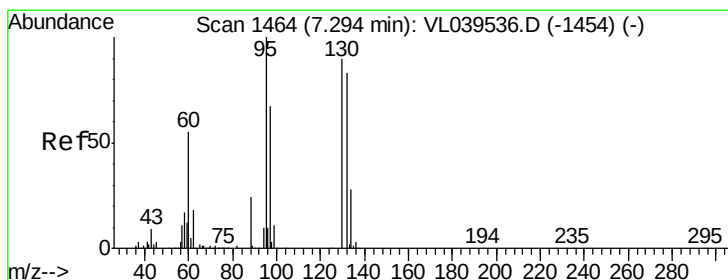
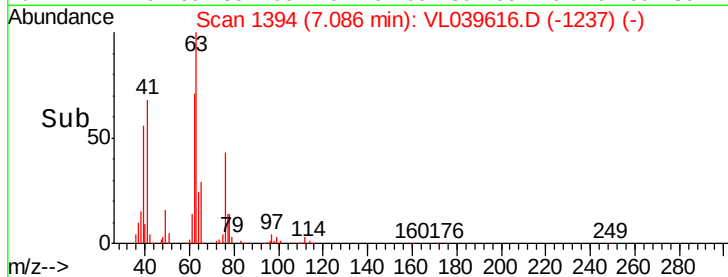
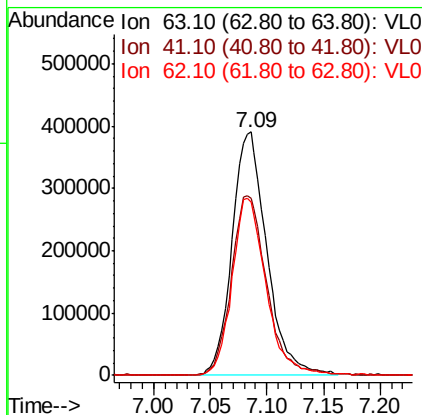
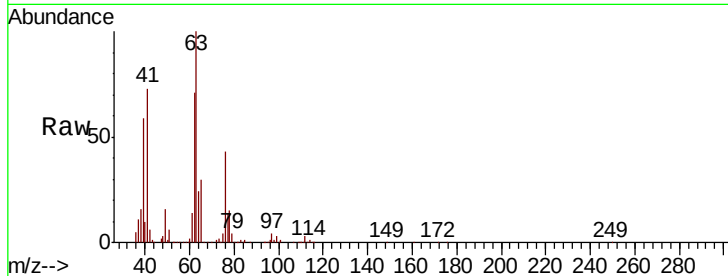
Tgt Ion:130 Resp: 1224676
 Ion Ratio Lower Upper
 130 100
 95 106.0 87.3 130.9
 132 95.1 76.7 115.1
 97 69.6 56.5 84.7





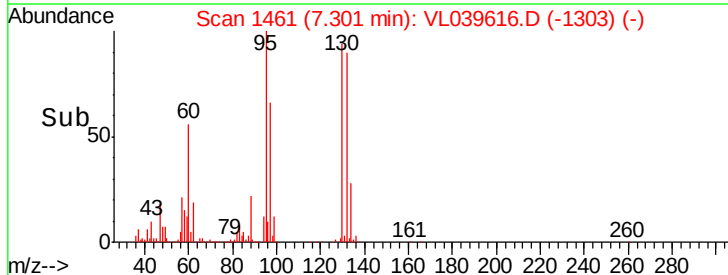
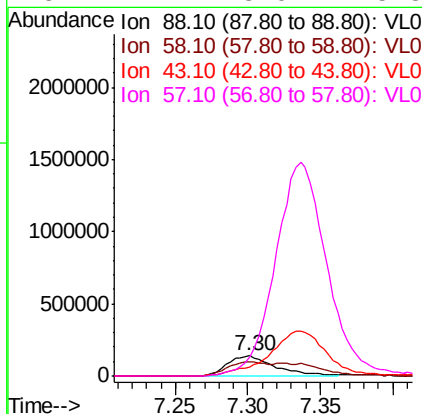
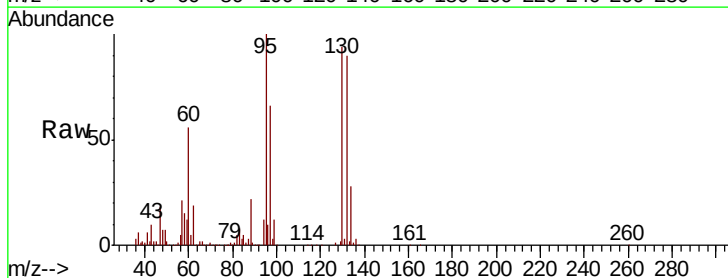
#39
 1,2-Dichloropropane
 Concen: 10.521 ppbv
 RT: 7.09
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VL0907ABS01
 Acq: 7 Sep 2022 12:51

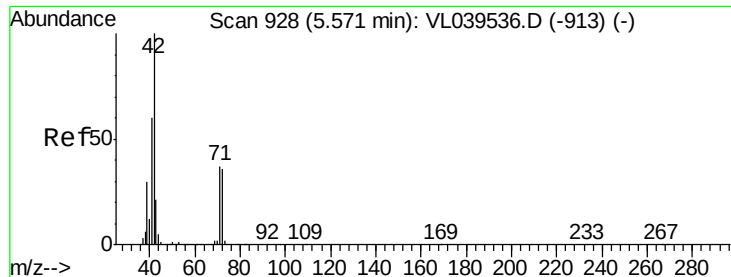
Tot Ion: 63 Resp: 831313
 Ion Ratio Lower Upper
 63 100
 41 72.6 59.6 89.4
 62 71.0 51.4 77.0



#40
 1,4-Dioxane
 Concen: 10.412 ppbv
 RT: 7.30 min Scan# 1461
 Delta R.T.: 0.01 min
 Lab File: VL039616.D
 Acq: 7 Sep 2022 12:51

Tgt Ion: 88 Resp: 322089
 Ion Ratio Lower Upper
 88 100
 58 125.2 100.2 150.4
 43 267.2 205.8 308.6
 57 1142.7 879.1 1318.7





#41

Tetrahydrofuran

Concen: 10.872 ppbv

RT: 5.57

Delta R.T. MSVOA_L

Lab File:

Acq: 7 Sep 2022 12:51

ClientSampleId:

VL0907ABS01

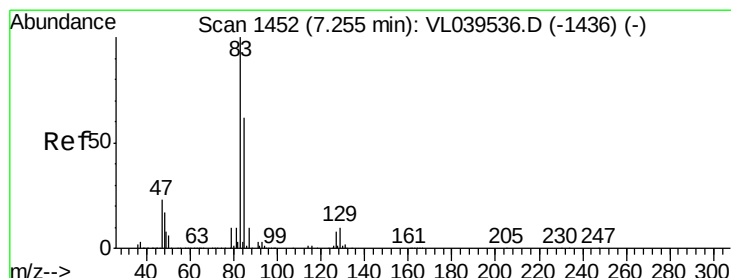
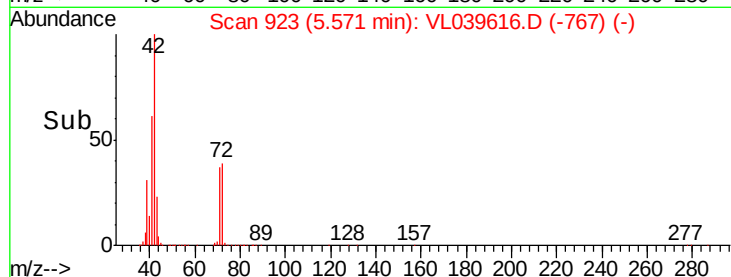
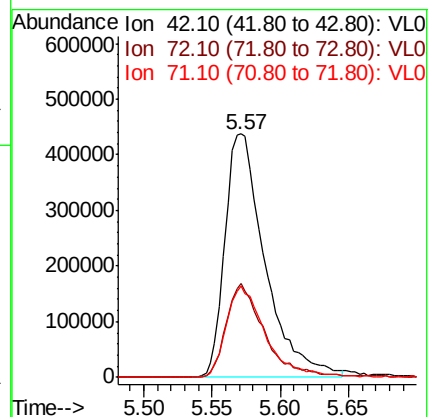
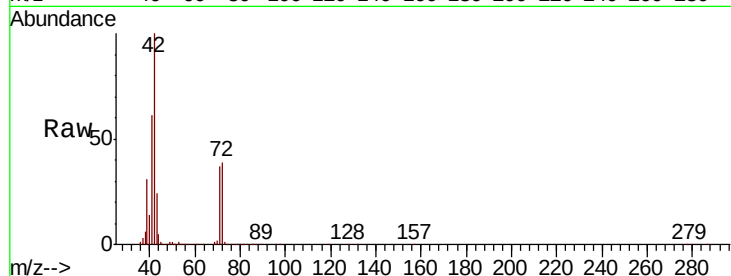
Tot Ion: 42 Resp: 890154

Ion Ratio Lower Upper

42 100

72 37.5 31.8 47.8

71 37.3 31.8 47.8



#42

Bromodichloromethane

Concen: 10.807 ppbv

RT: 7.26 min Scan# 1448

Delta R.T. 0.00 min

Lab File: VL039616.D

Acq: 7 Sep 2022 12:51

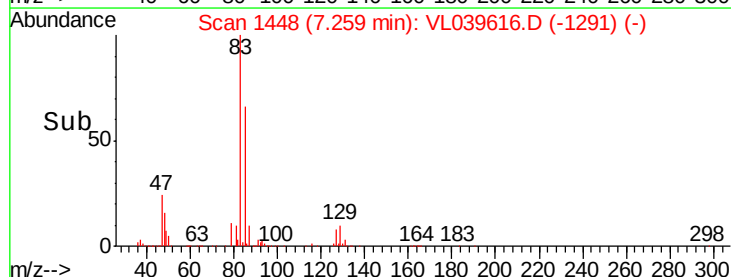
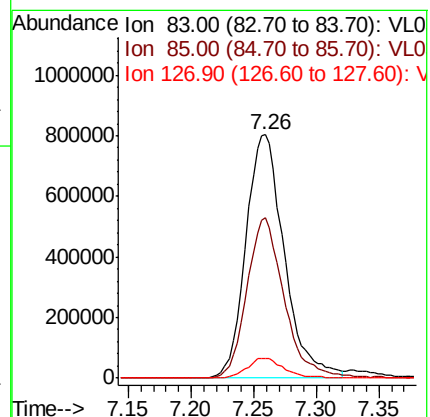
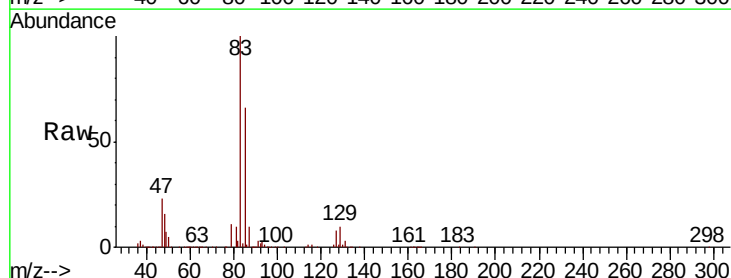
Tgt Ion: 83 Resp: 1711854

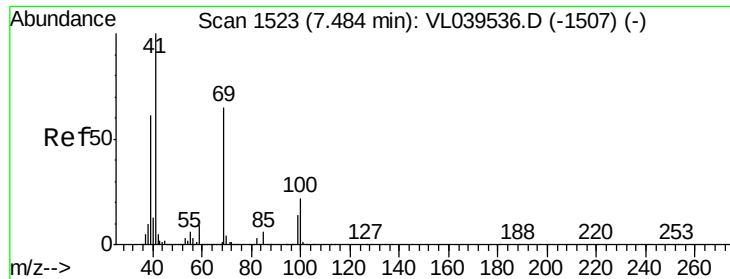
Ion Ratio Lower Upper

83 100

85 66.1 50.7 76.1

127 8.3 6.6 9.8





#43

Methyl Methacrylate

Concen: 11.418 ppbv

RT: 7.49 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 7 Sep 2022 12:51

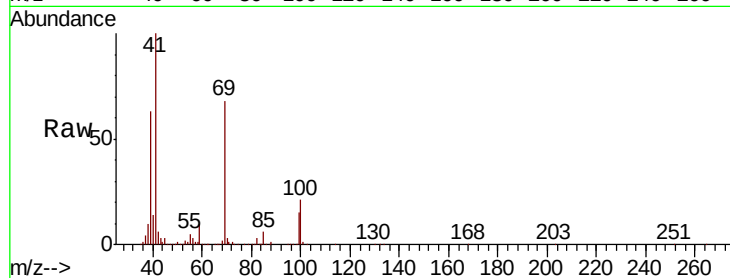
Tot Ion: 69 Resp: 865275

Ion Ratio Lower Upper

69 100

41 154.4 120.8 181.2

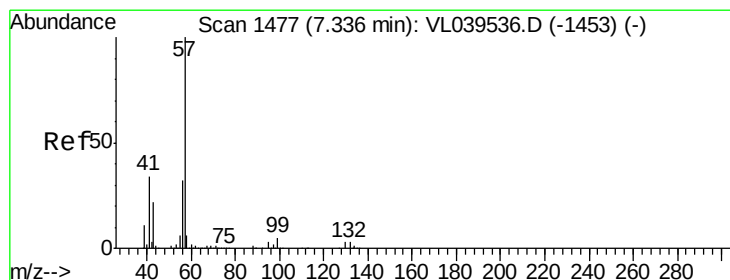
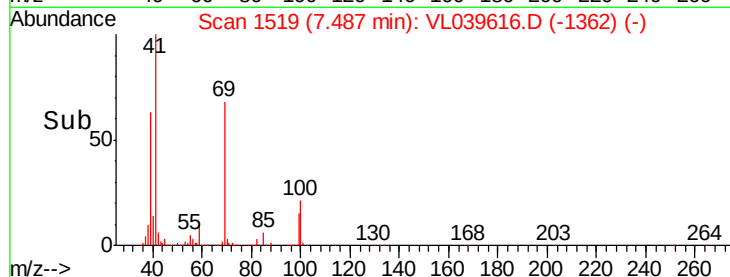
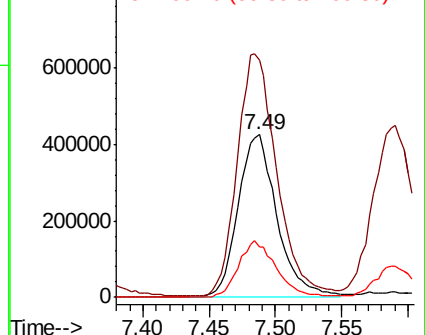
100 34.0 27.8 41.6



Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 10.388 ppbv

RT: 7.34 min Scan# 1472

Delta R.T. 0.00 min

Lab File: VL039616.D

Acq: 7 Sep 2022 12:51

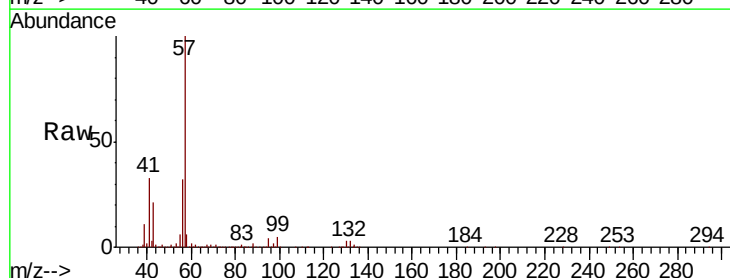
Tgt Ion: 57 Resp: 3679937

Ion Ratio Lower Upper

57 100

41 33.8 27.4 41.2

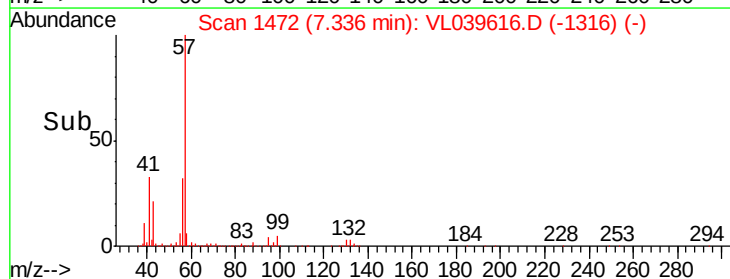
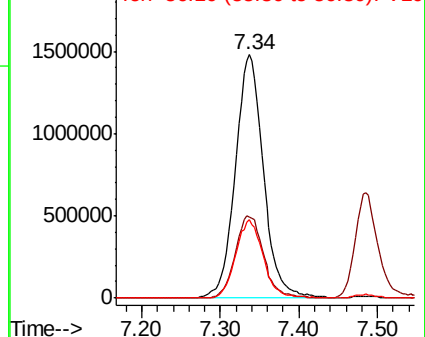
56 31.5 24.5 36.7

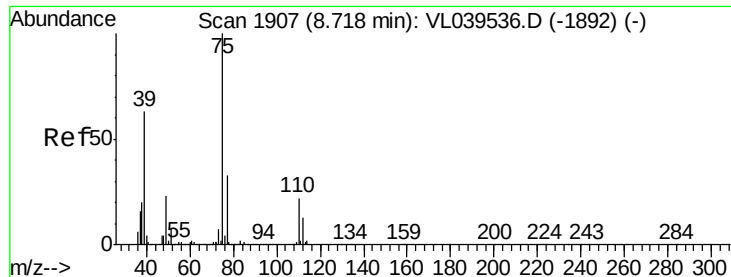


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 12.883 ppbv

RT: 8.72 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId: VL0907ABS01

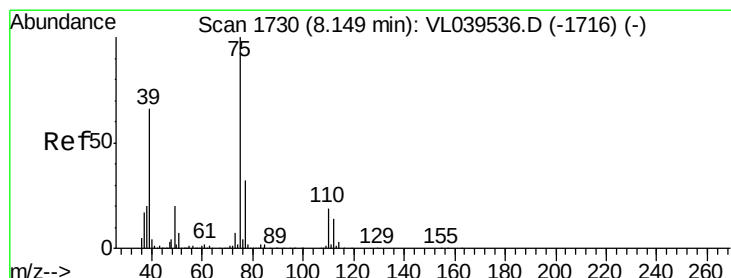
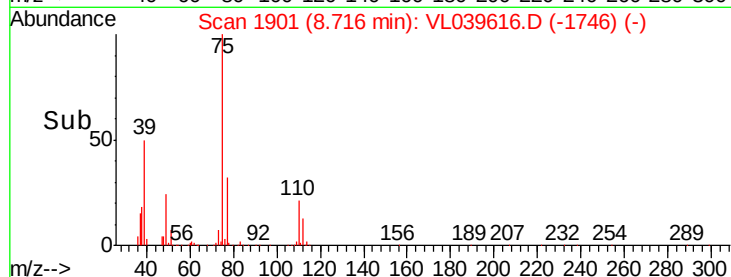
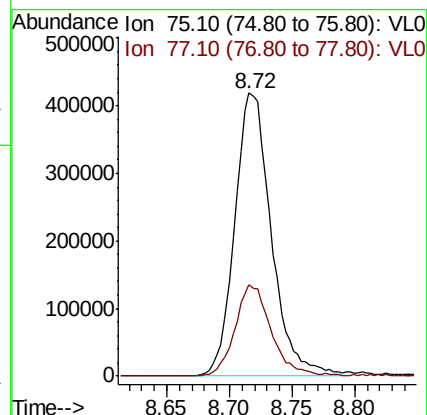
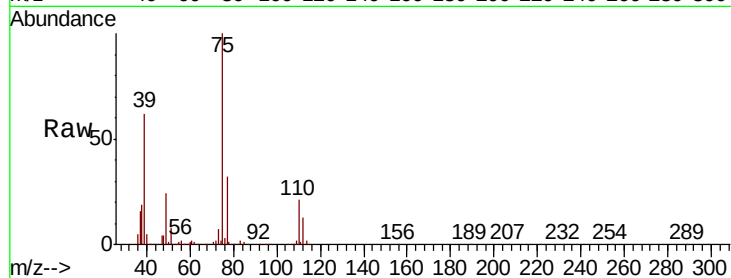
Acq: 7 Sep 2022 12:51

Tot Ion: 75 Resp: 850216

Ion Ratio Lower Upper

75 100

77 32.1 24.6 36.8



#46

cis-1,3-Dichloropropene

Concen: 12.446 ppbv

RT: 8.15 min Scan# 1725

Delta R.T. 0.00 min

Lab File: VL039616.D

Acq: 7 Sep 2022 12:51

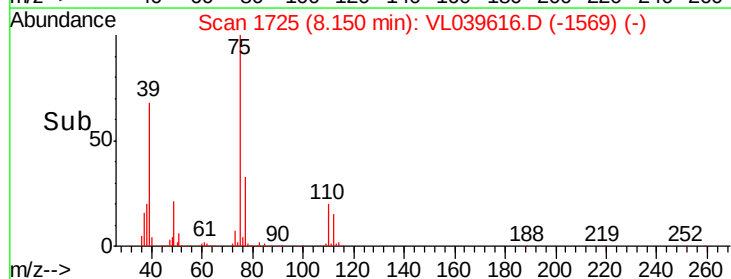
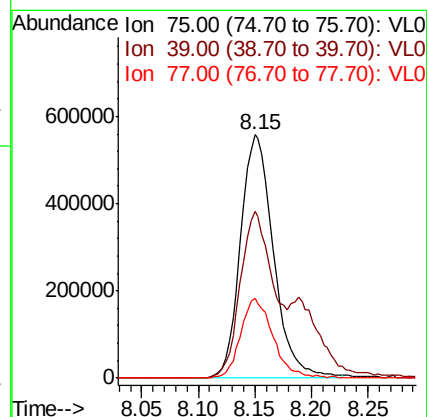
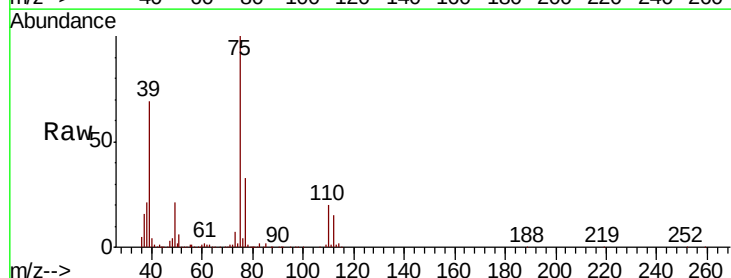
Tgt Ion: 75 Resp: 1137676

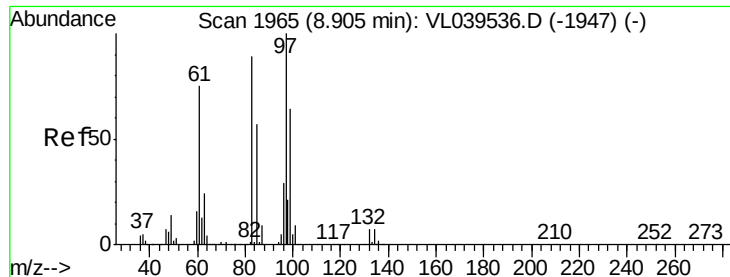
Ion Ratio Lower Upper

75 100

39 68.5 55.0 82.4

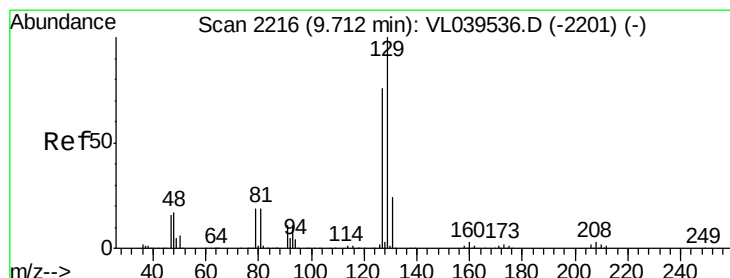
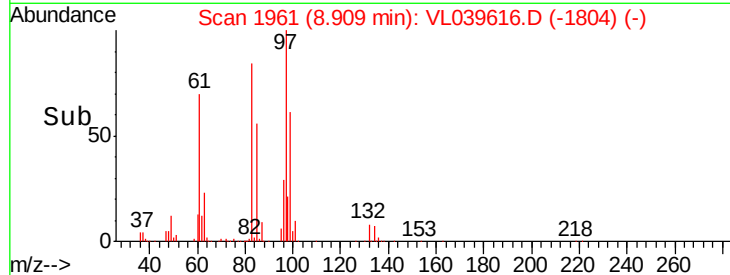
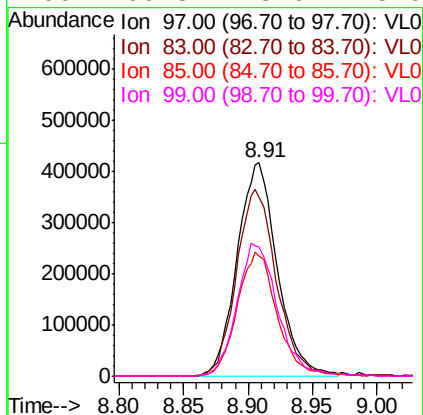
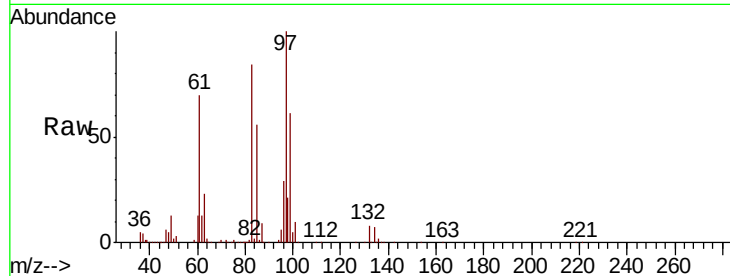
77 32.9 25.7 38.5





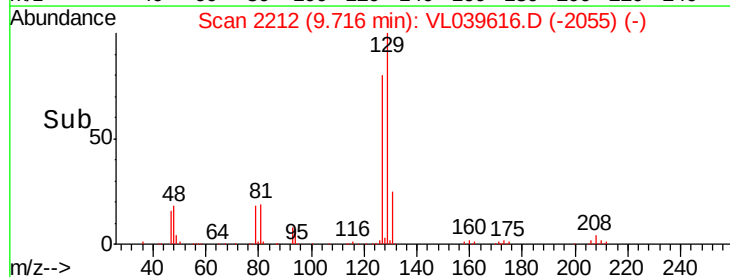
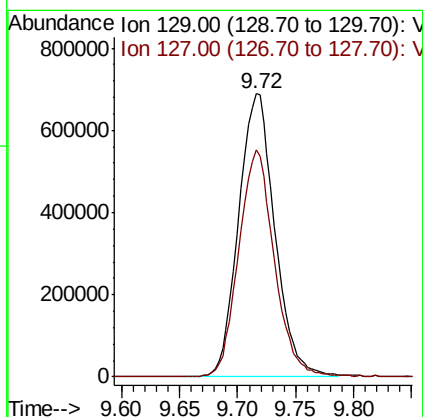
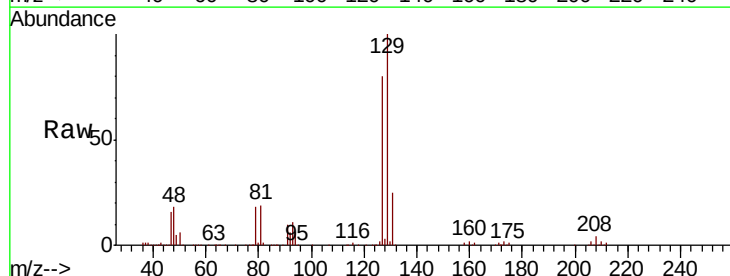
#47
 1,1,2-Trichloroethane
 Concen: 10.030 ppbv
 RT: 8.91
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 VL0907ABS01
 Acq: 7 Sep 2022 12:51

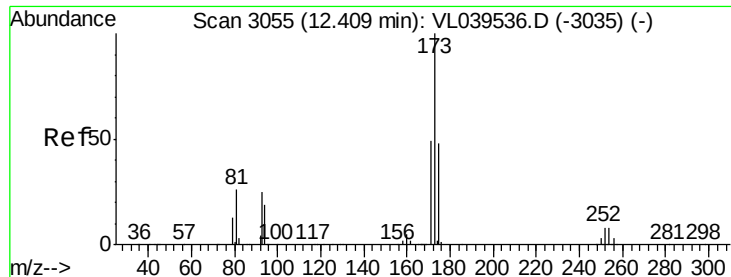
Tot Ion:	97	Resp:	905047
Ion	Ratio	Lower	Upper
97	100		
83	83.9	67.4	101.0
85	56.3	45.1	67.7
99	60.8	48.6	73.0



#48
 Dibromochloromethane
 Concen: 11.283 ppbv
 RT: 9.72 min Scan# 2212
 Delta R.T. 0.00 min
 Lab File: VL039616.D
 Acq: 7 Sep 2022 12:51

Tgt Ion:	129	Resp:	1500788
Ion	Ratio	Lower	Upper
129	100		
127	79.2	39.3	117.9





#49

Bromoform

Concen: 11.285 ppbv

RT: 12.41

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 7 Sep 2022 12:51

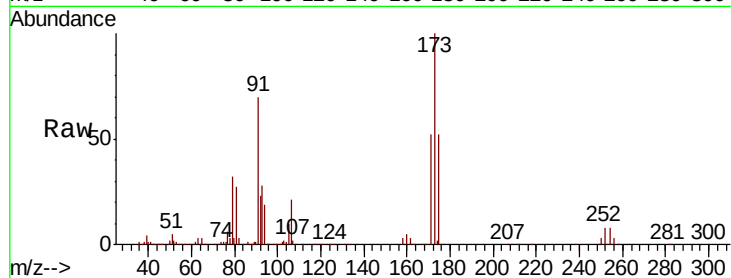
Tot Ion: 173 Resp: 1243307

Ion Ratio Lower Upper

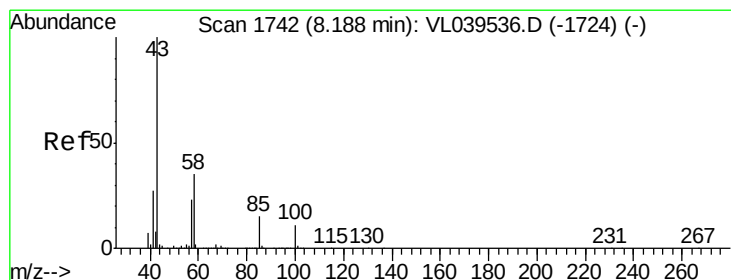
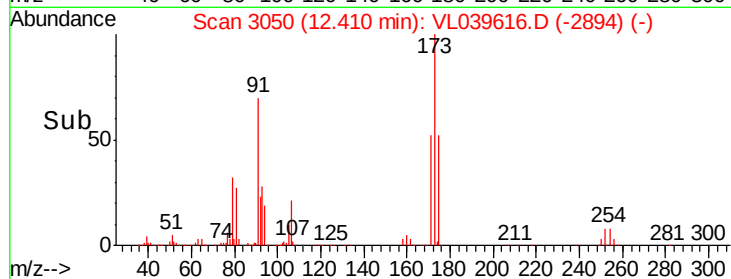
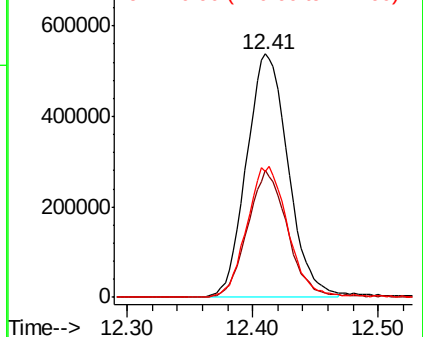
173 100

175 50.6 40.3 60.5

171 53.6 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: 10.693 ppbv

RT: 8.19 min Scan# 1738

Delta R.T. 0.00 min

Lab File: VL039616.D

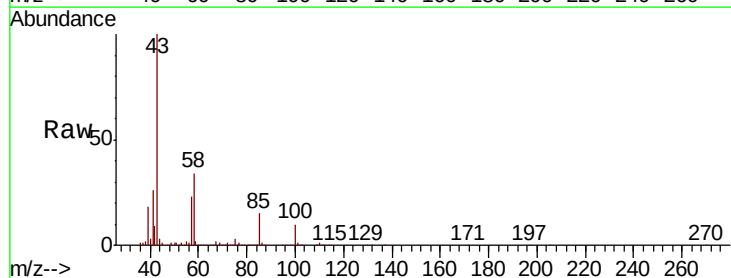
Acq: 7 Sep 2022 12:51

Tgt Ion: 43 Resp: 2283207

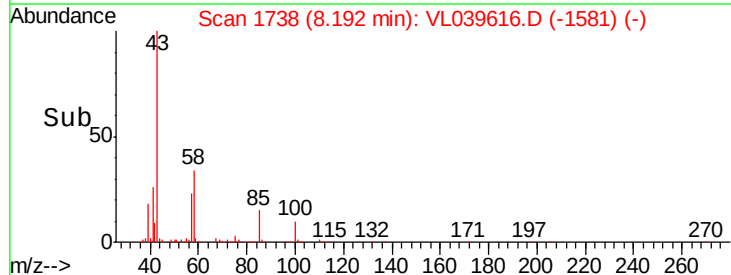
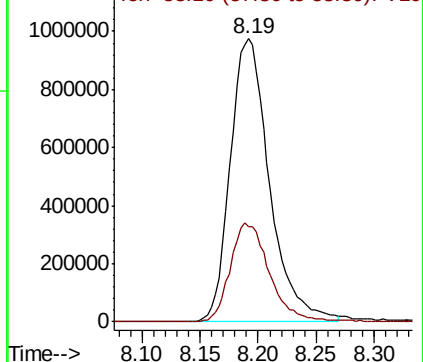
Ion Ratio Lower Upper

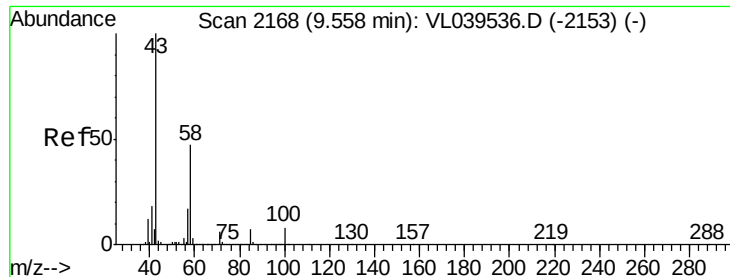
43 100

58 35.2 28.8 43.2



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

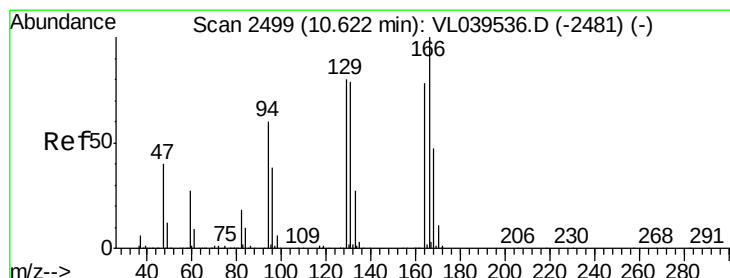
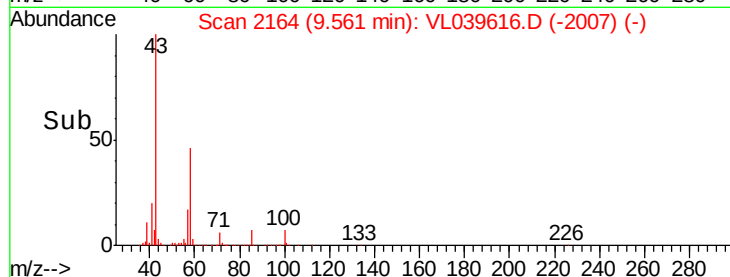
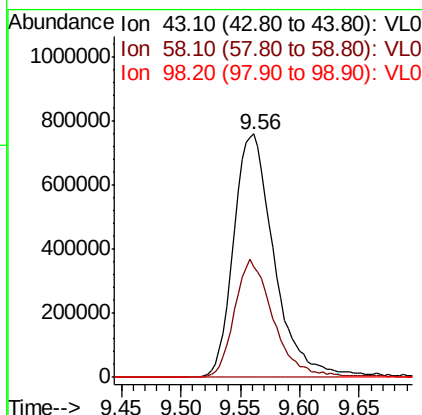
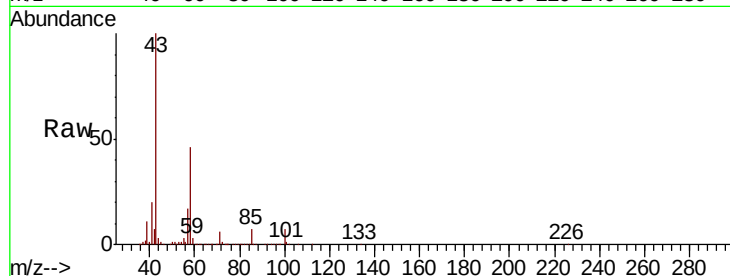




#51
2-Hexanone
Concen: 11.280 ppbv
RT: 9.56
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 7 Sep 2022 12:51

Tot Ion: 43 Resp: 1772772

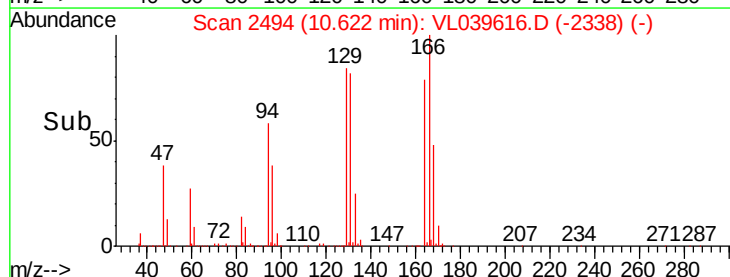
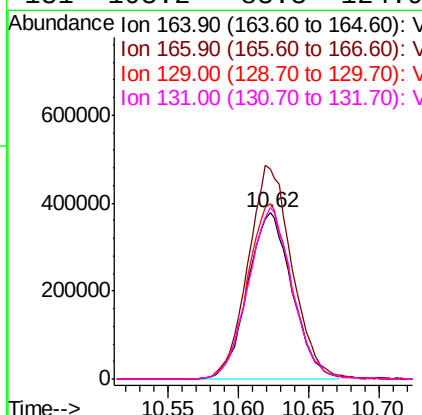
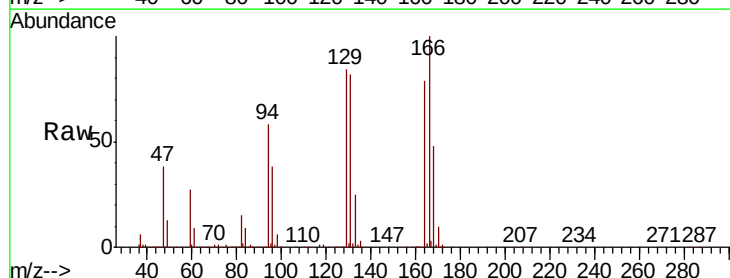
Ion	Ratio	Lower	Upper
43	100		
58	47.6	38.4	57.6
98	0.4	0.3	0.5

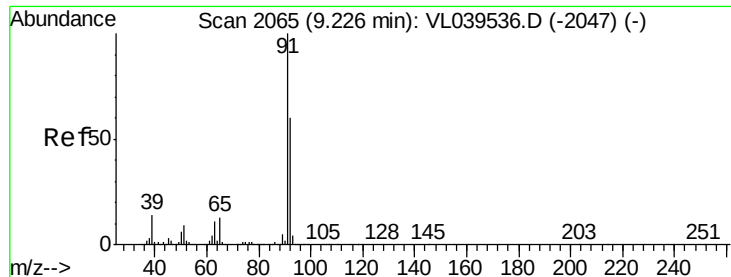


#52
Tetrachloroethene
Concen: 10.427 ppbv
RT: 10.62 min Scan# 2494
Delta R.T. 0.00 min
Lab File: VL039616.D
Acq: 7 Sep 2022 12:51

Tgt Ion: 164 Resp: 828985

Ion	Ratio	Lower	Upper
164	100		
166	126.5	102.2	153.2
129	105.9	85.8	128.8
131	103.2	83.3	124.9





#53

Toluene

Concen: 11.034 ppbv

RT: 9.23 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

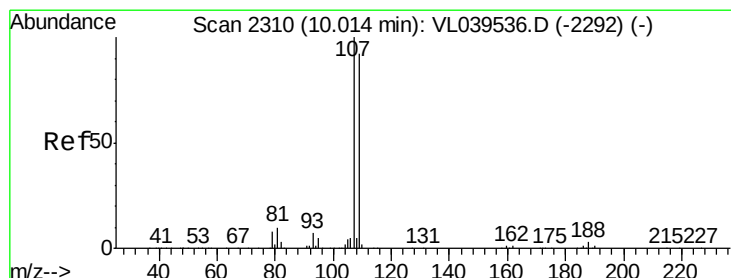
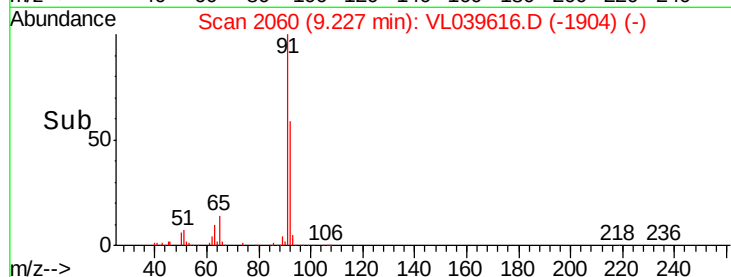
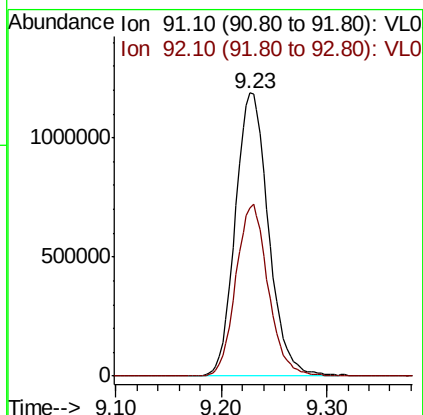
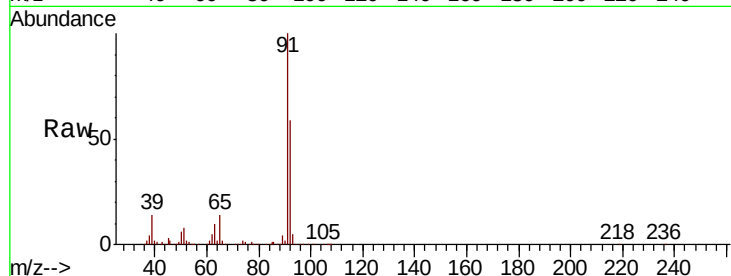
Acq: 7 Sep 2022 12:51 VL0907ABS01

Tot Ion: 91 Resp: 2595065

Ion Ratio Lower Upper

91 100

92 59.4 48.2 72.2



#54

1,2-Dibromoethane

Concen: 10.788 ppbv

RT: 10.01 min Scan# 2304

Delta R.T. -0.00 min

Lab File: VL039616.D

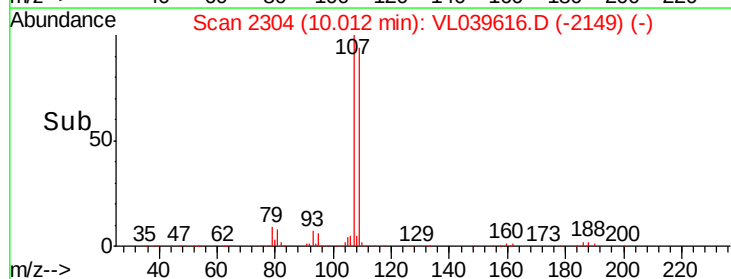
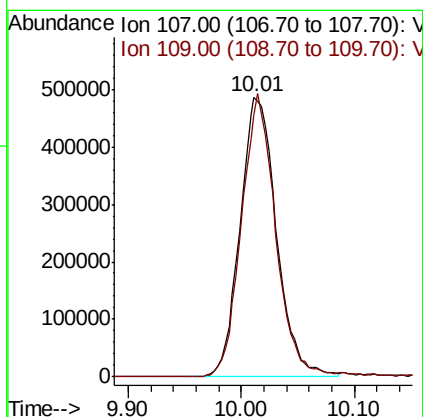
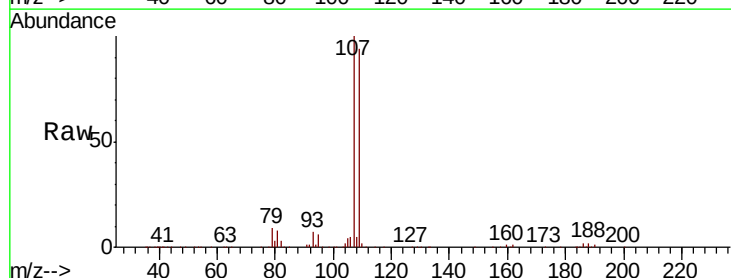
Acq: 7 Sep 2022 12:51

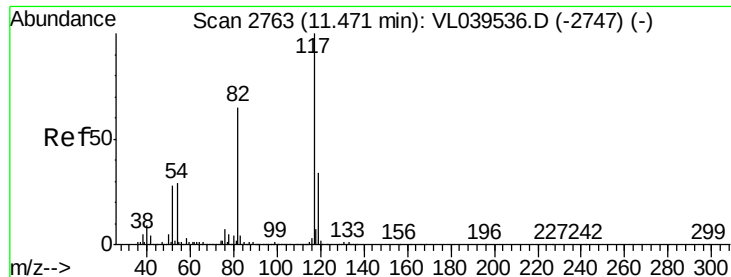
Tgt Ion:107 Resp: 1088801

Ion Ratio Lower Upper

107 100

109 93.5 74.8 112.2

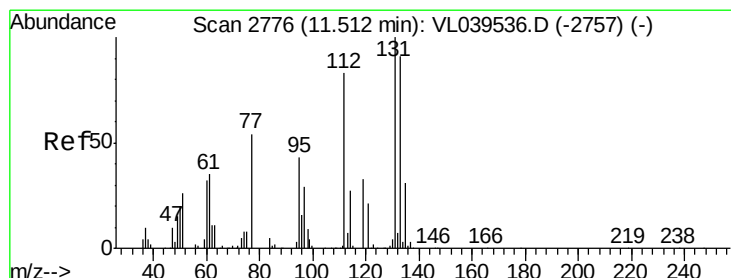
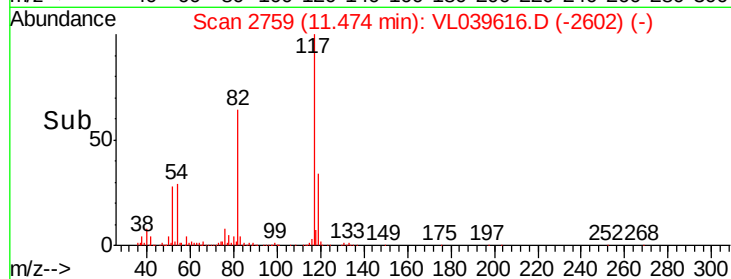
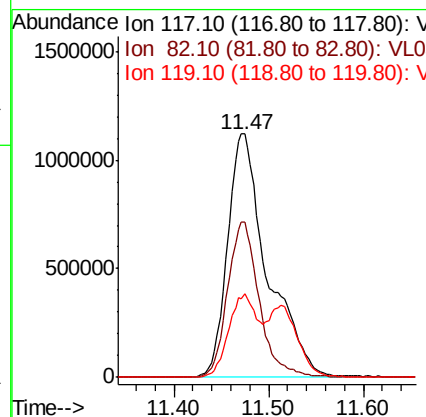
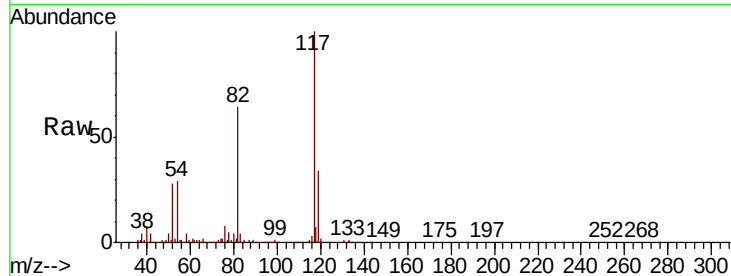




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.47 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL0907ABS01
Acq: 7 Sep 2022 12:51

Tot Ion:117 Resp: 3268883

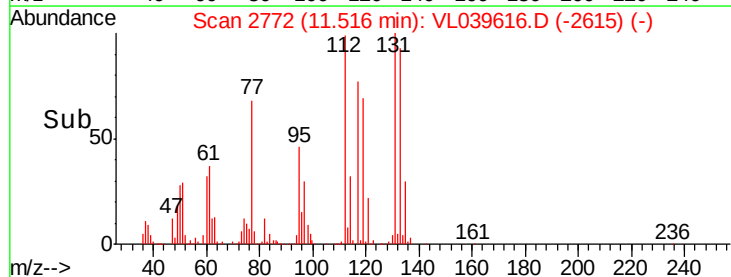
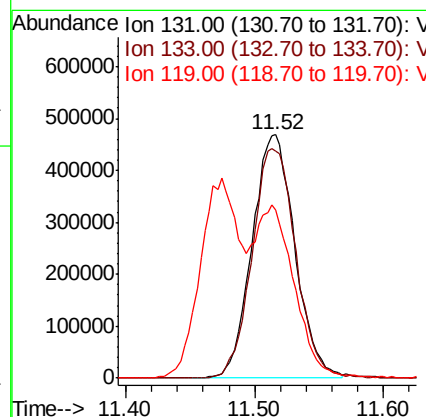
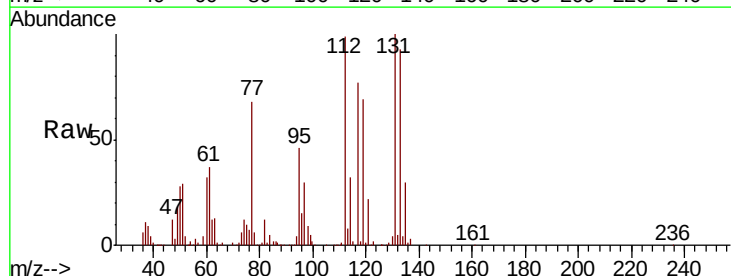
Ion	Ratio	Lower	Upper
117	100		
82	51.0	50.8	76.2
119	26.6	24.1	36.1

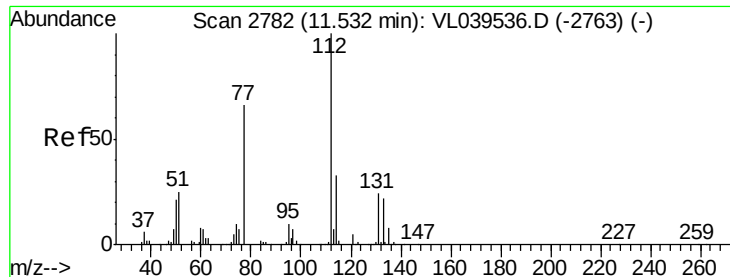


#56
1,1,1,2-Tetrachloroethane
Concen: 8.140 ppbv
RT: 11.52 min Scan# 2772
Delta R.T.: 0.00 min
Lab File: VL039616.D
Acq: 7 Sep 2022 12:51

Tgt Ion:131 Resp: 1081165

Ion	Ratio	Lower	Upper
131	100		
133	96.8	76.8	115.2
119	62.7	46.2	69.4





#57

Chlorobenzene

Concen: 7.914 ppbv

RT: 11.53

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 7 Sep 2022 12:51

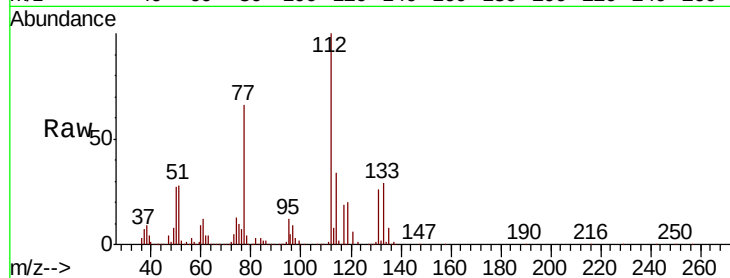
Tot Ion:112 Resp: 1930015

Ion Ratio Lower Upper

112 100

77 64.7 51.0 76.4

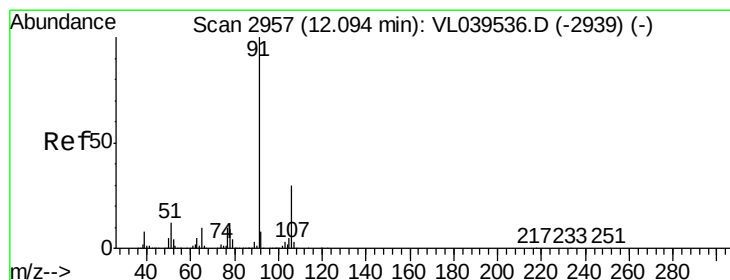
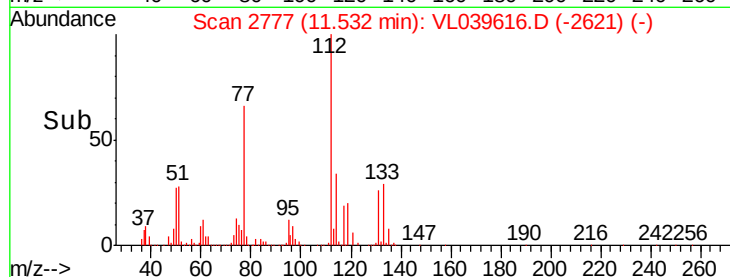
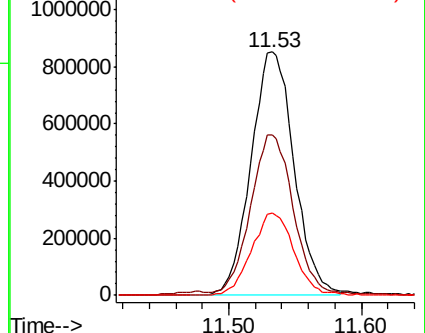
114 33.7 27.5 33.6#



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: 9.002 ppbv

RT: 12.10 min Scan# 2953

Delta R.T. 0.00 min

Lab File: VL039616.D

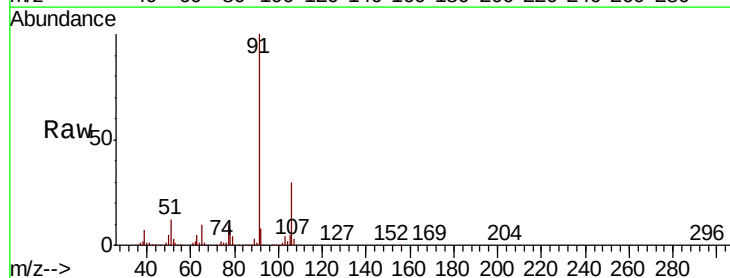
Acq: 7 Sep 2022 12:51

Tgt Ion: 91 Resp: 3380997

Ion Ratio Lower Upper

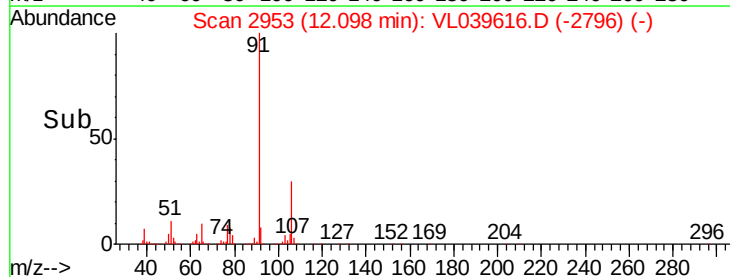
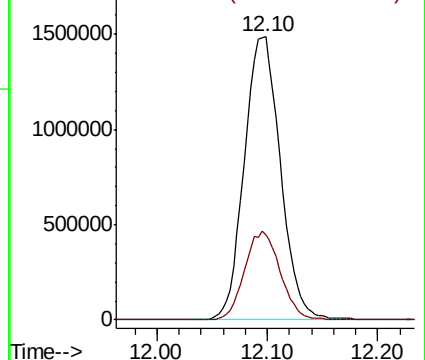
91 100

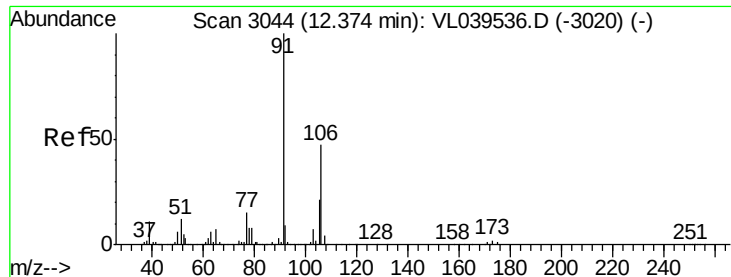
106 30.0 25.4 38.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

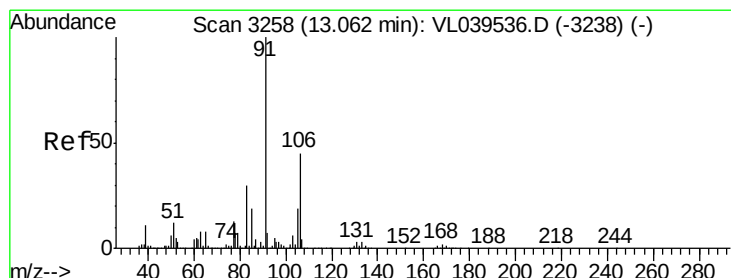
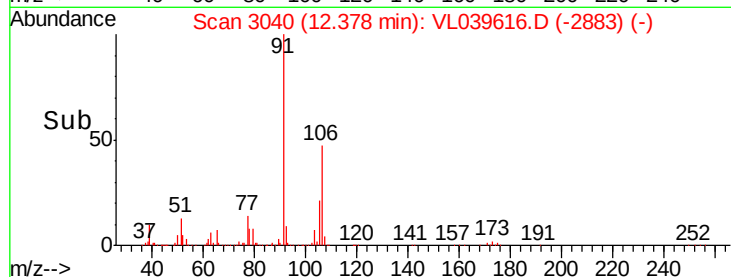
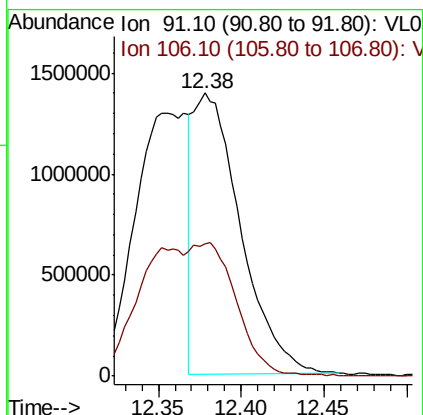
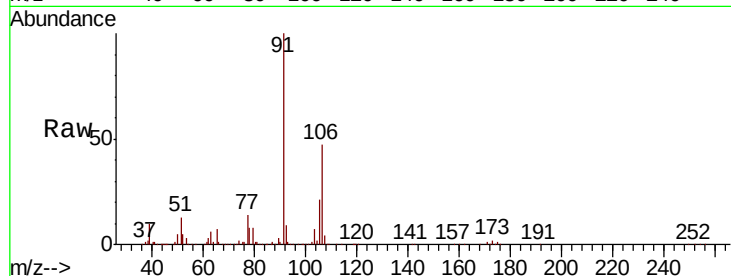
Ion 106.10 (105.80 to 106.80): V





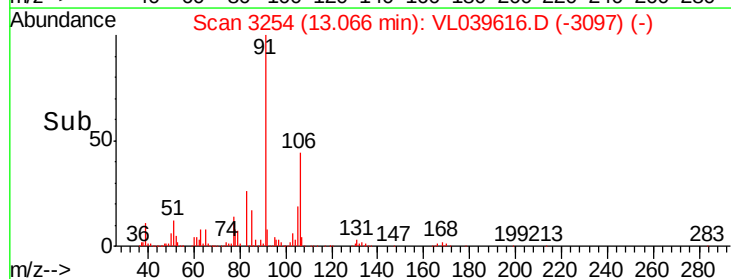
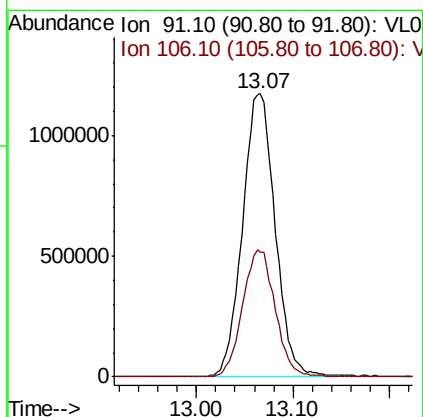
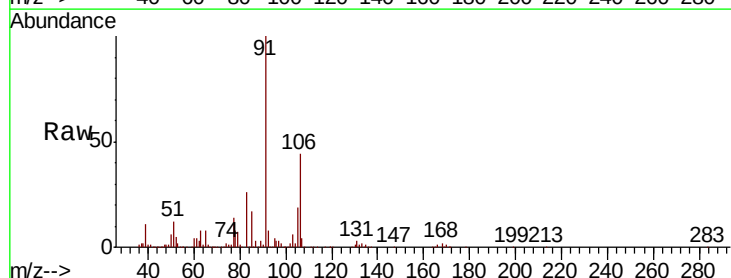
#59
m/p-Xylene
Concen: 8.137 ppbv
RT: 12.38
Delta R.T. MSVOA_L
Lab File: ClientSampleId : VL0907ABS01
Acq: 7 Sep 2022 12:51

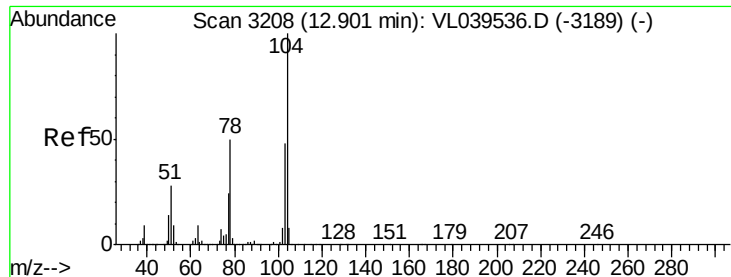
Tot Ion: 91 Resp: 2741848
Ion Ratio Lower Upper
91 100
106 94.7 35.4 53.2#



#60
o-Xylene
Concen: 8.486 ppbv
RT: 13.07 min Scan# 3254
Delta R.T. 0.00 min
Lab File: VL039616.D
Acq: 7 Sep 2022 12:51

Tgt Ion: 91 Resp: 2744471
Ion Ratio Lower Upper
91 100
106 44.9 22.4 67.3





#61

Stvrene

Concen: 9.604 ppbv

RT: 12.90

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 7 Sep 2022 12:51

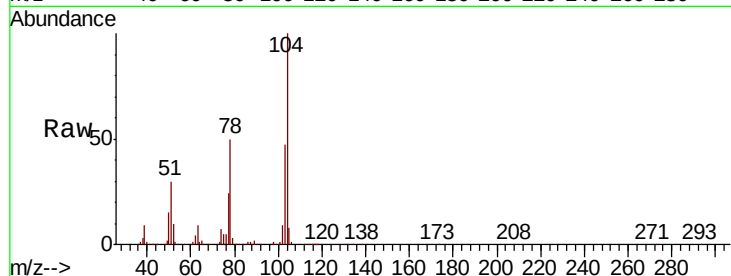
Tot Ion:104 Resp: 1654449

Ion Ratio Lower Upper

104 100

78 50.1 41.2 61.8

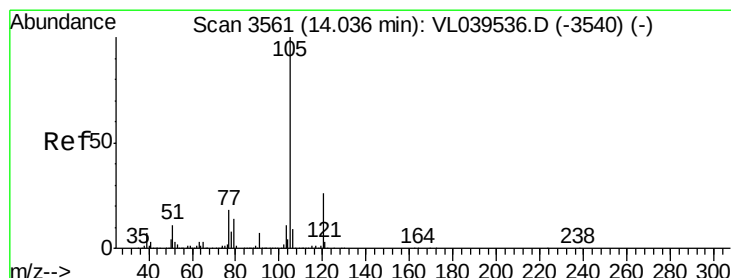
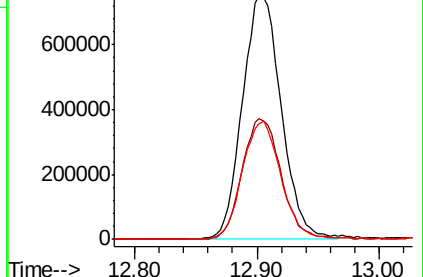
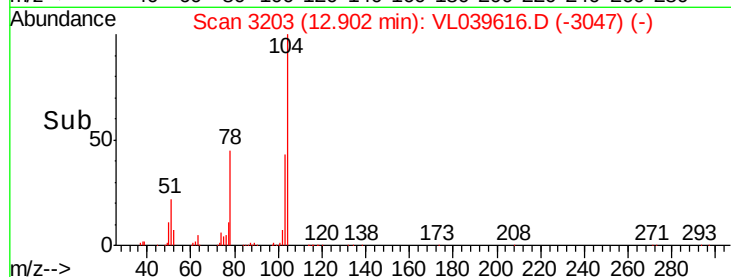
103 48.4 38.7 58.1



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: 8.158 ppbv

RT: 14.03 min Scan# 3555

Delta R.T. -0.00 min

Lab File: VL039616.D

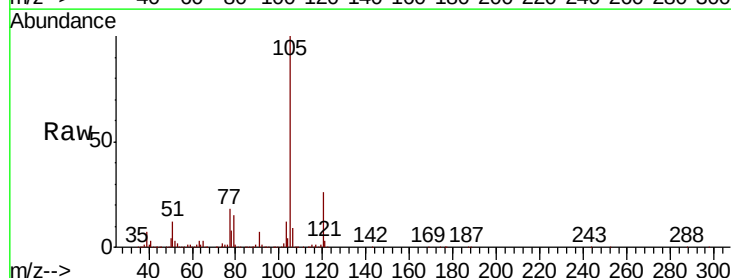
Acq: 7 Sep 2022 12:51

Tgt Ion:105 Resp: 3989952

Ion Ratio Lower Upper

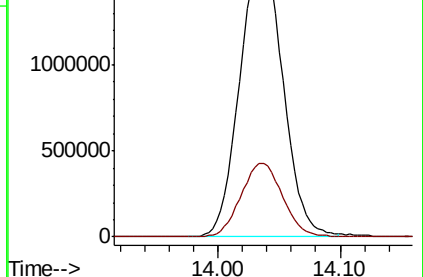
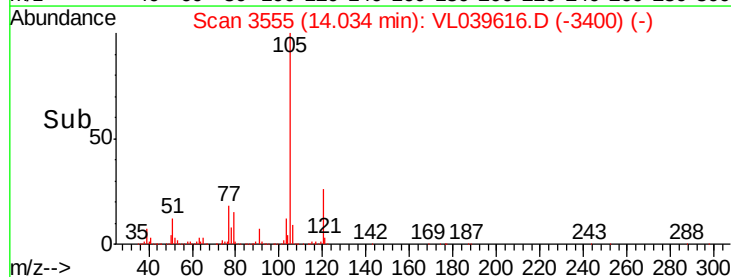
105 100

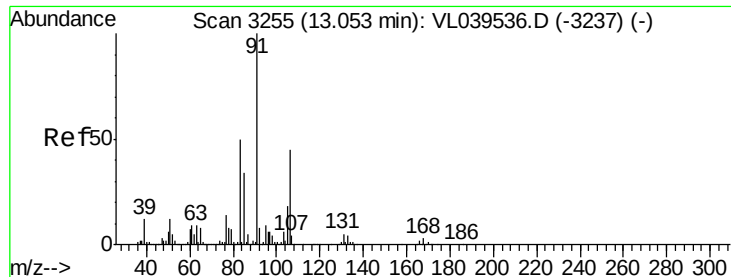
120 25.7 20.7 31.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

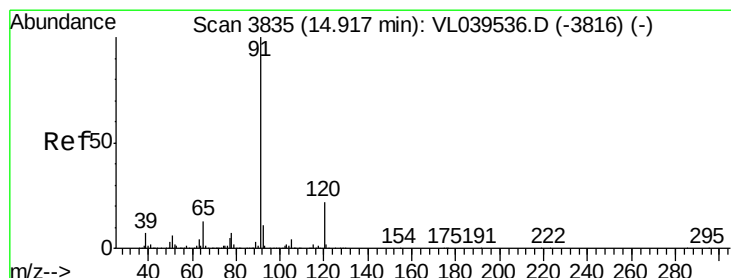
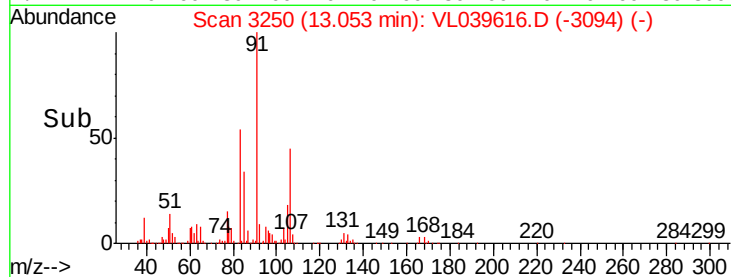
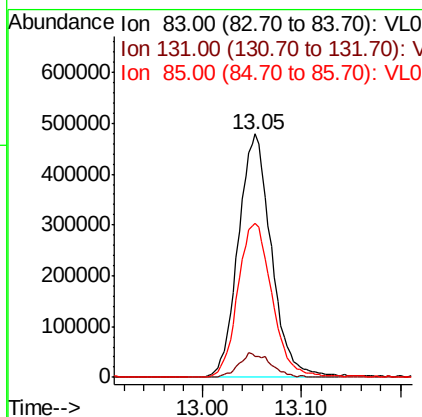
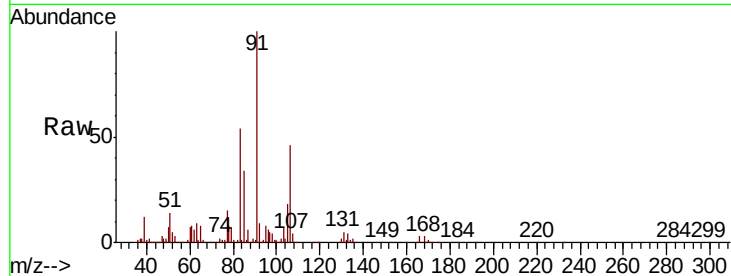




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.264 ppbv
 RT: 13.05 min
 Delta R.T. 0.00 min
 Lab File: VL0907ABS01
 Acq: 7 Sep 2022 12:51

Tot Ion: 83 Resp: 1112513

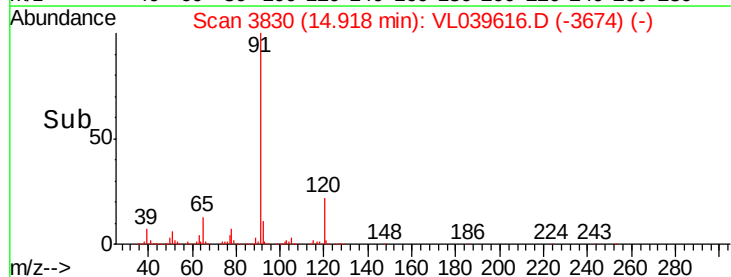
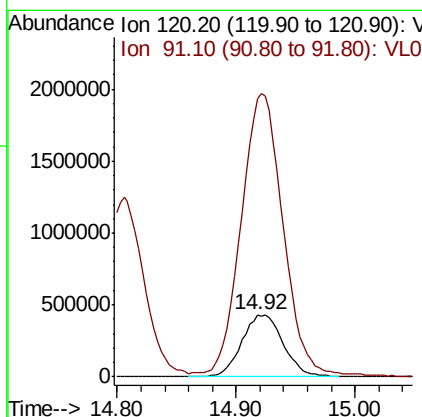
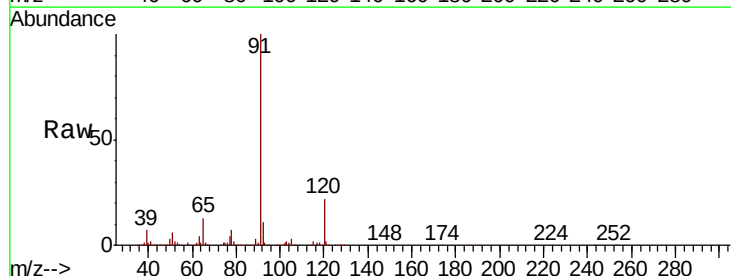
Ion	Ratio	Lower	Upper
83	100		
131	9.8	5.3	15.8
85	66.1	33.1	99.5

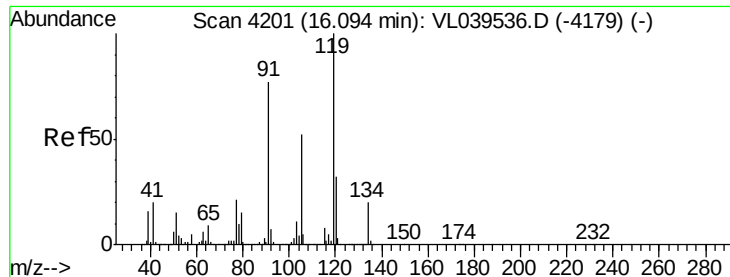


#64
 n-propylbenzene
 Concen: 8.193 ppbv
 RT: 14.92 min Scan# 3830
 Delta R.T. 0.00 min
 Lab File: VL039616.D
 Acq: 7 Sep 2022 12:51

Tgt Ion: 120 Resp: 1041448

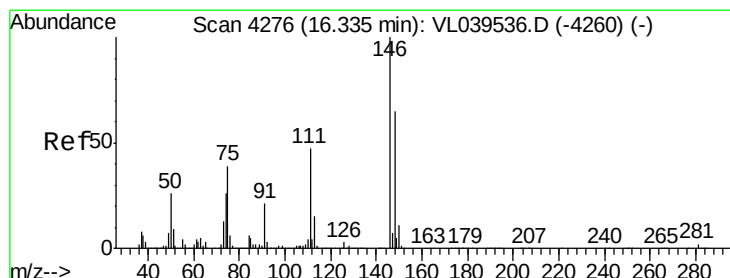
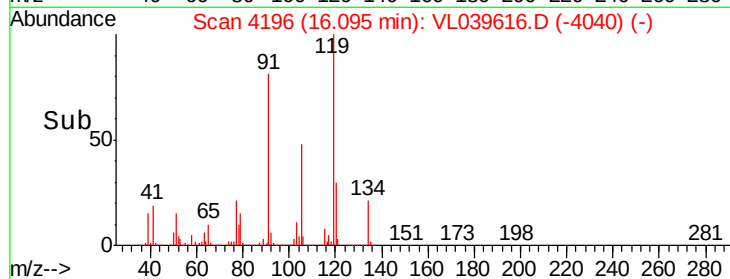
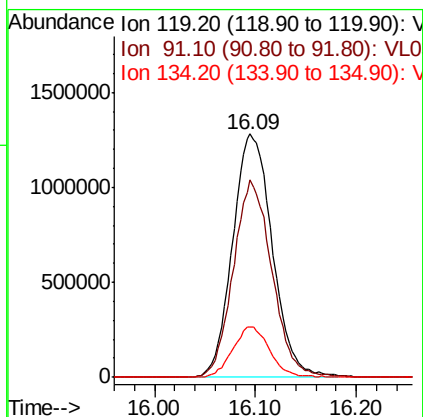
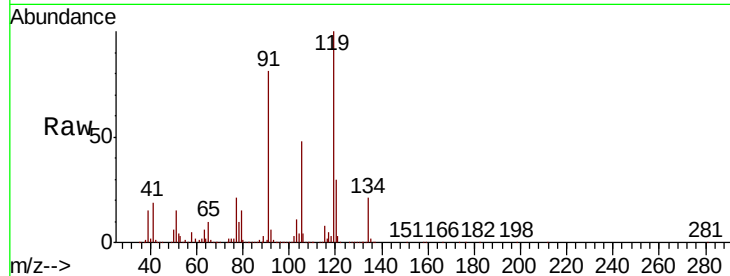
Ion	Ratio	Lower	Upper
120	100		
91	465.4	367.2	550.8





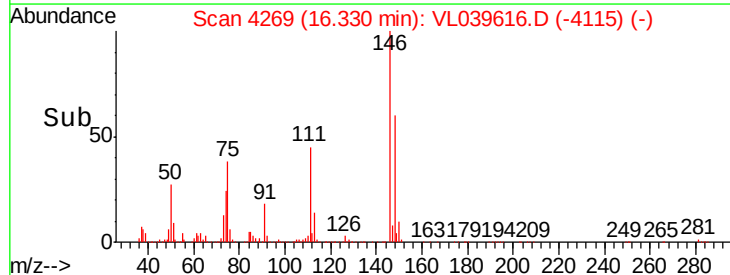
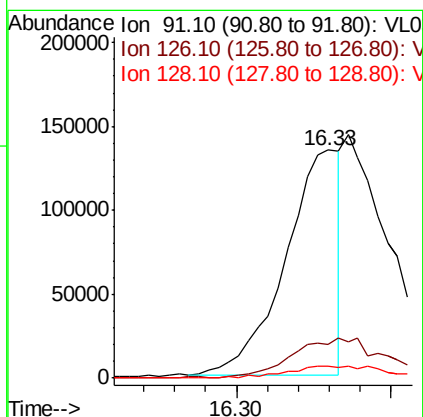
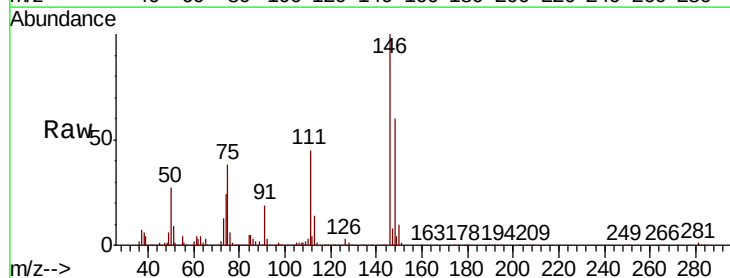
#65
 tert-Butylbenzene
 Concen: 8.049 ppbv
 RT: 16.09 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : VL0907ABS01
 Acq: 7 Sep 2022 12:51

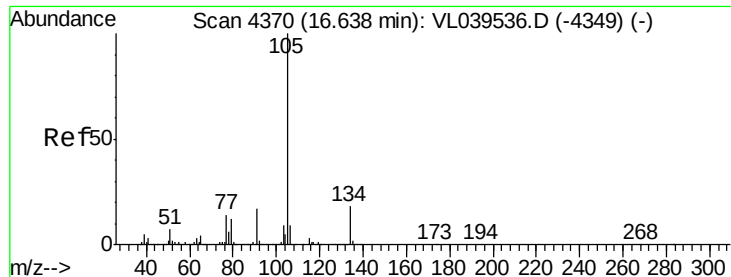
Tot Ion: 119 Resp: 3499520
 Ion Ratio Lower Upper
 119 100
 91 79.2 63.4 95.2
 134 19.5 15.9 23.9



#66
 Benzyl Chloride
 Concen: 4.668 ppbv
 RT: 16.33 min Scan# 4269
 Delta R.T.: -0.01 min
 Lab File: VL039616.D
 Acq: 7 Sep 2022 12:51

Tgt Ion: 91 Resp: 164841
 Ion Ratio Lower Upper
 91 100
 126 0.0 13.1 19.7#
 128 10.7 4.4 6.6#





#67

sec-Butylbenzene

Concen: 7.949 ppbv

RT: 16.64

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

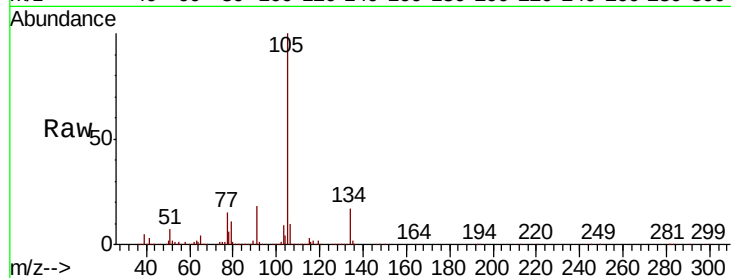
Acq: 7 Sep 2022 12:51

Tot Ion: 105 Resp: 4895034

Ion Ratio Lower Upper

105 100

134 17.8 14.8 22.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

16.64

2000000

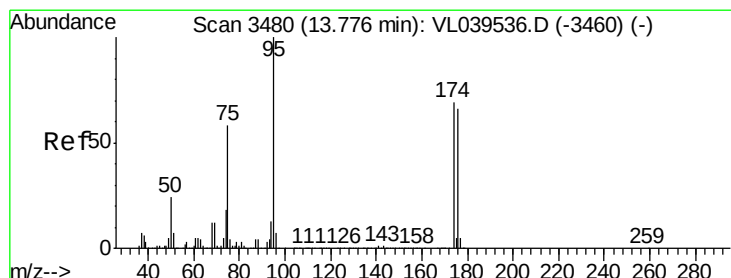
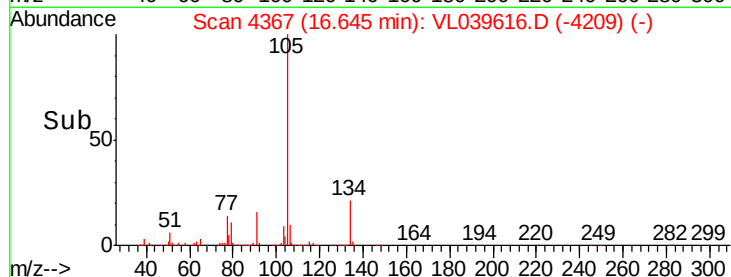
1500000

1000000

500000

0

Time--> 16.50 16.60 16.70 16.80



#68

1-Bromo-4-Fluorobenzene

Concen: 8.193 ppbv

RT: 13.78 min Scan# 3477

Delta R.T. 0.01 min

Lab File: VL039616.D

Acq: 7 Sep 2022 12:51

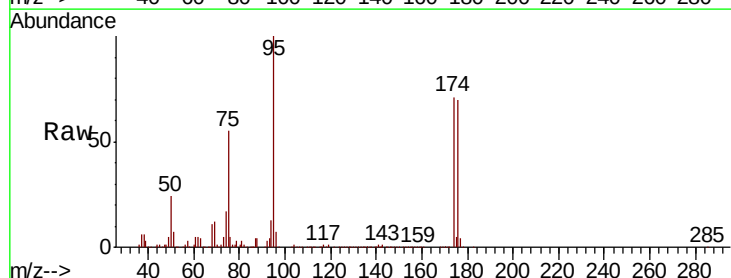
Tgt Ion: 95 Resp: 2020526

Ion Ratio Lower Upper

95 100

174 70.9 55.9 83.9

175 5.4 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

1200000

1000000

800000

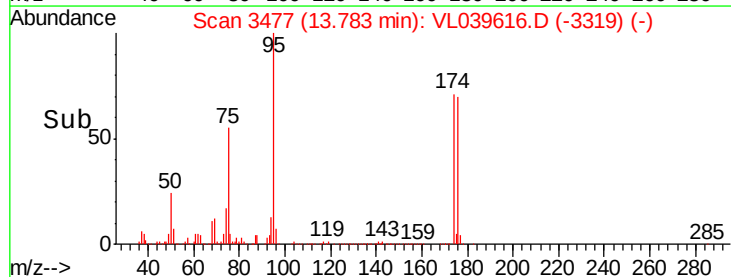
600000

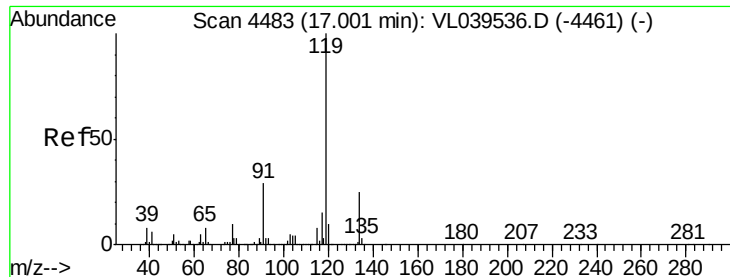
400000

200000

0

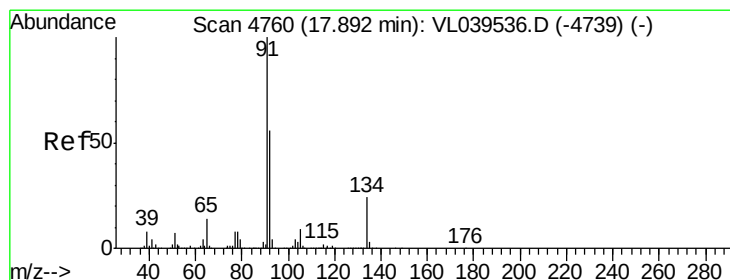
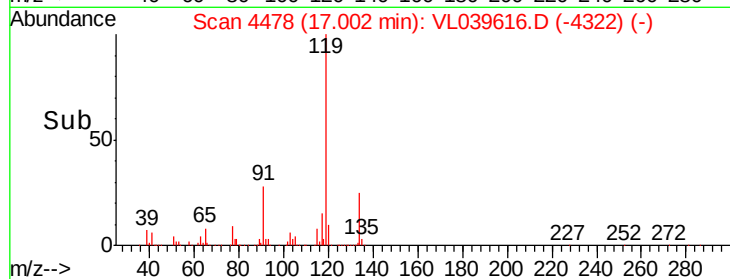
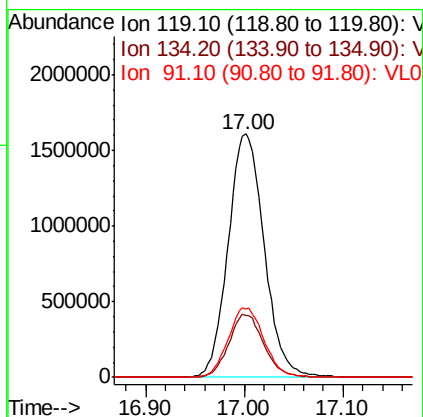
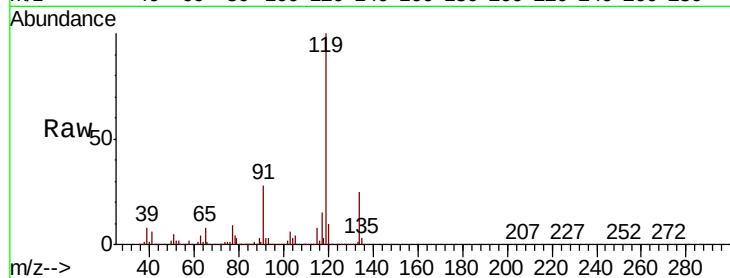
Time--> 13.70 13.80





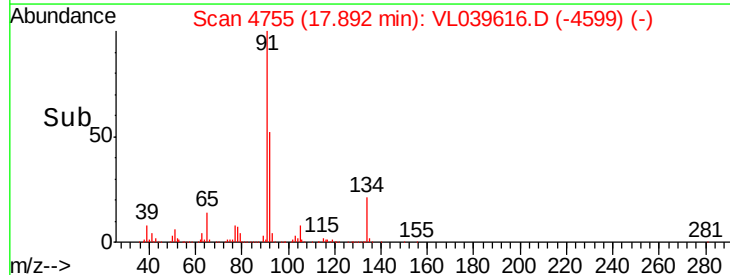
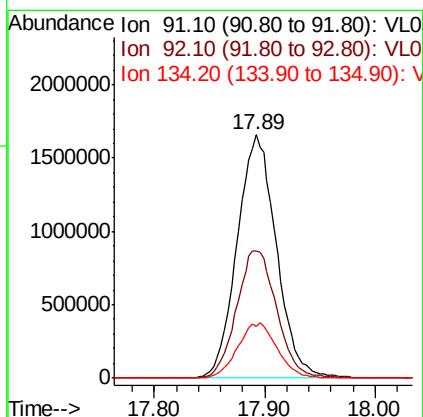
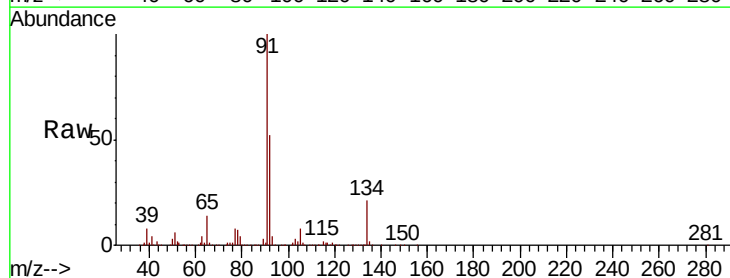
#69
 p-Isopropyltoluene
 Concen: 7.992 ppbv
 RT: 17.00 min
 Delta R.T. 0.00 min
 Lab File: VL0907ABS01
 Acq: 7 Sep 2022 12:51

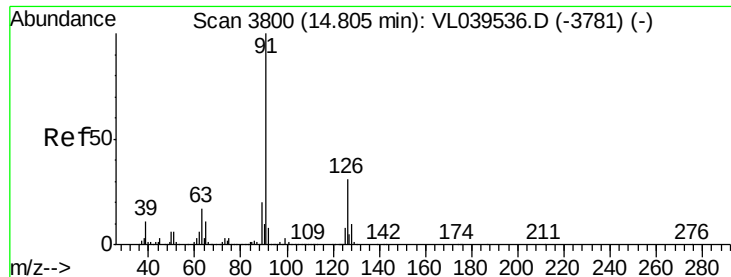
Tot Ion:	119	Resp:	4085257
Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.3	30.5
91	28.6	22.9	34.3



#70
 n-Butylbenzene
 Concen: 8.013 ppbv
 RT: 17.89 min Scan# 4755
 Delta R.T. 0.00 min
 Lab File: VL039616.D
 Acq: 7 Sep 2022 12:51

Tgt Ion:	91	Resp:	4075144
Ion	Ratio	Lower	Upper
91	100		
92	53.8	43.4	65.2
134	23.1	18.9	28.3





#71

2-Chlorotoluene

Concen: 8.230 ppbv

RT: 14.81

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

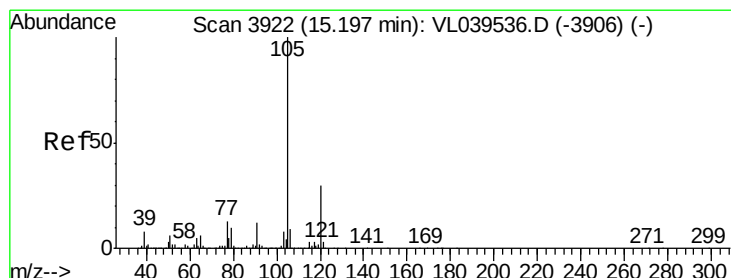
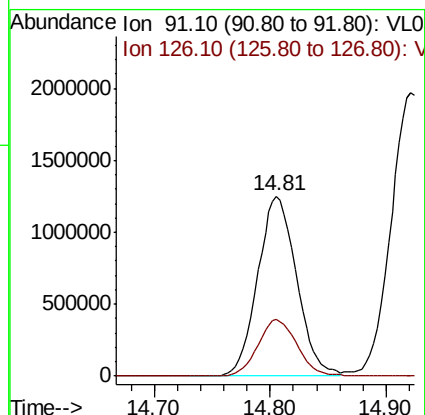
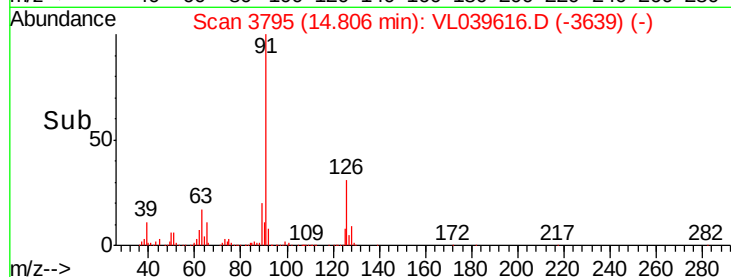
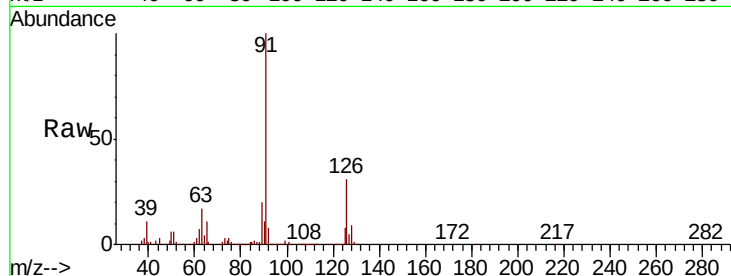
Acq: 7 Sep 2022 12:51

Tot Ion: 91 Resp: 2915151

Ion Ratio Lower Upper

91 100

126 32.3 13.0 51.8



#72

4-Ethyltoluene

Concen: 8.546 ppbv

RT: 15.20 min Scan# 3917

Delta R.T. 0.00 min

Lab File: VL039616.D

Acq: 7 Sep 2022 12:51

Tgt Ion:105 Resp: 3232015

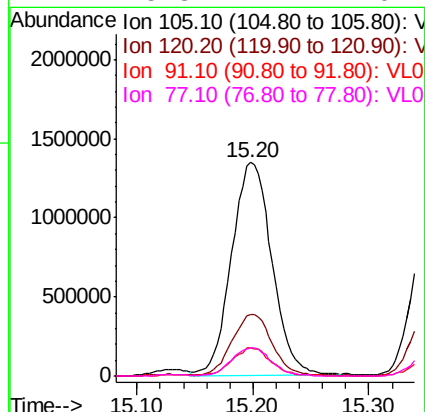
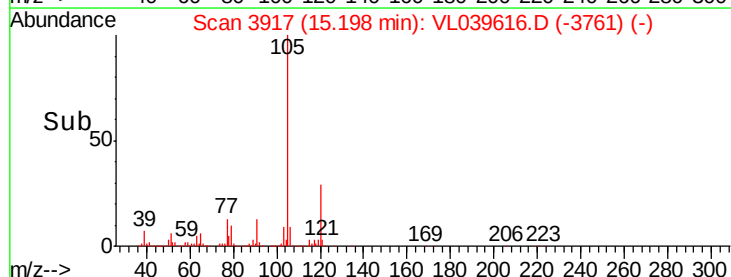
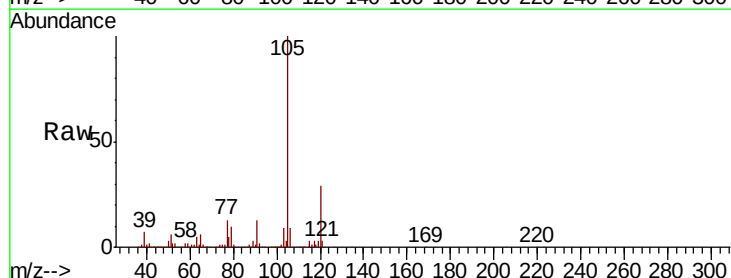
Ion Ratio Lower Upper

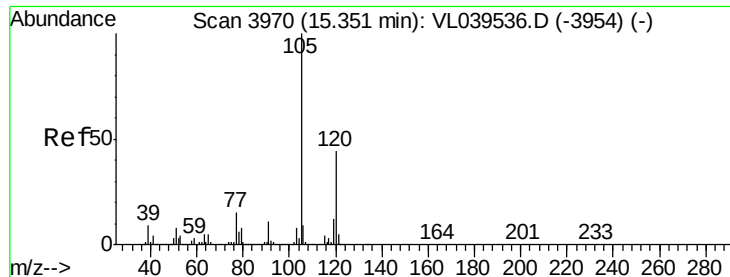
105 100

120 29.3 24.2 36.2

91 13.3 10.2 15.4

77 13.3 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 8.311 ppbv

RT: 15.36

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

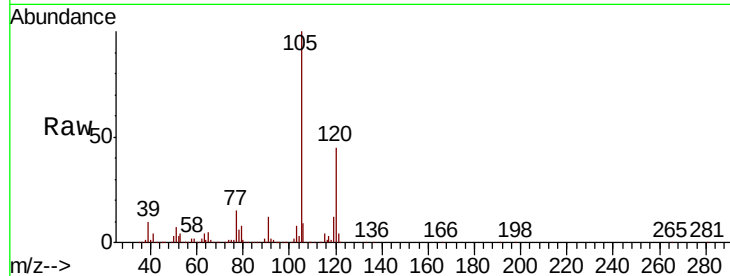
Acq: 7 Sep 2022 12:51

Tot Ion:105 Resp: 2872101

Ion Ratio Lower Upper

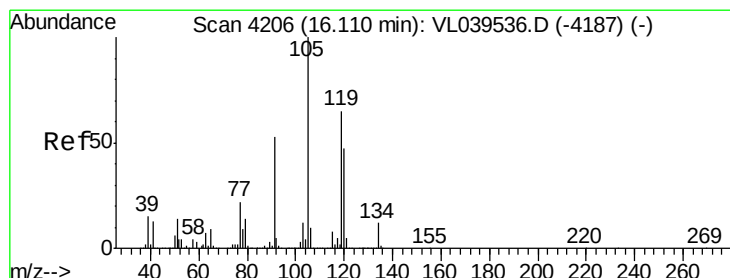
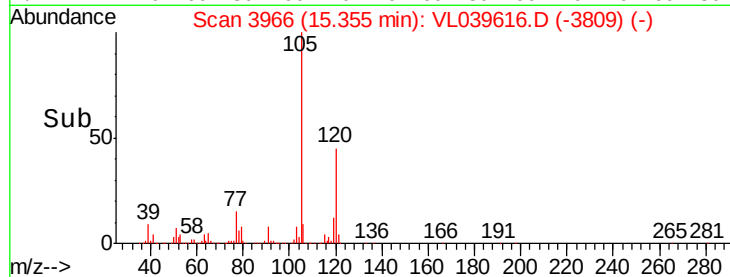
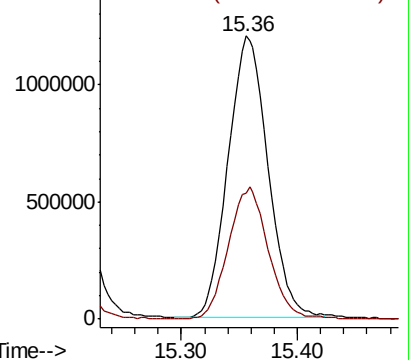
105 100

120 44.6 38.2 57.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 7.981 ppbv

RT: 16.11 min Scan# 4202

Delta R.T. 0.00 min

Lab File: VL039616.D

Acq: 7 Sep 2022 12:51

Tgt Ion:105 Resp: 3073392

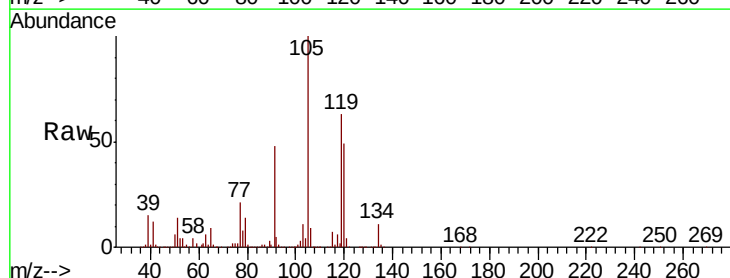
Ion Ratio Lower Upper

105 100

120 49.3 39.5 59.3

91 47.6 39.2 58.8

77 21.1 17.2 25.8

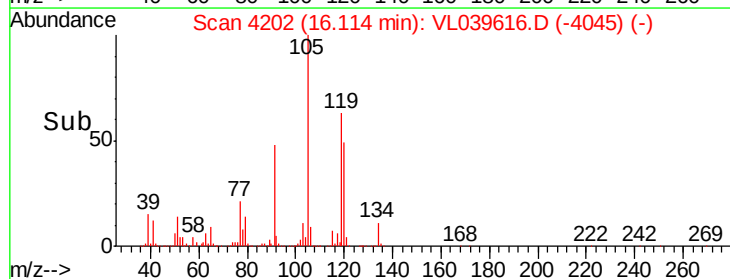
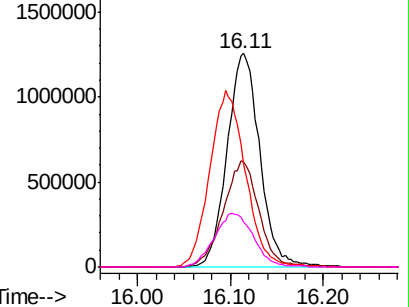


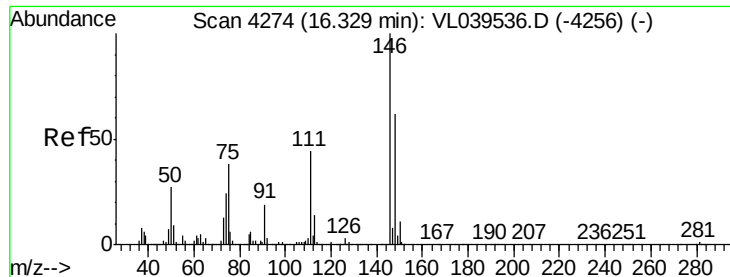
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

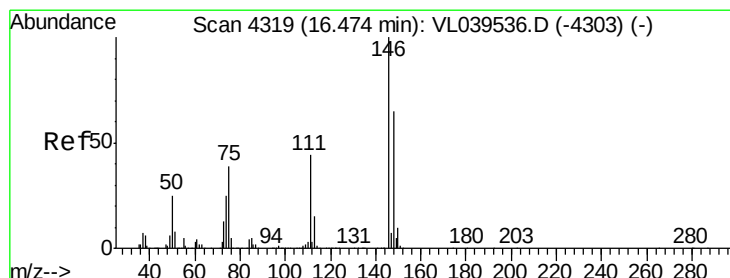
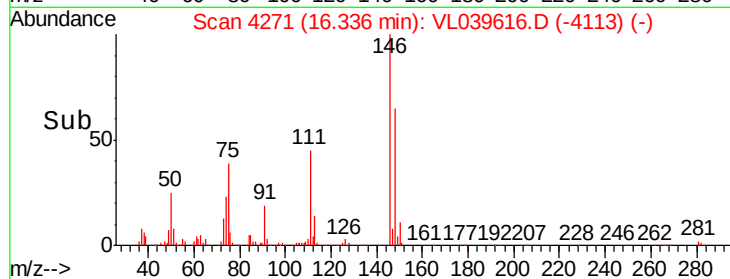
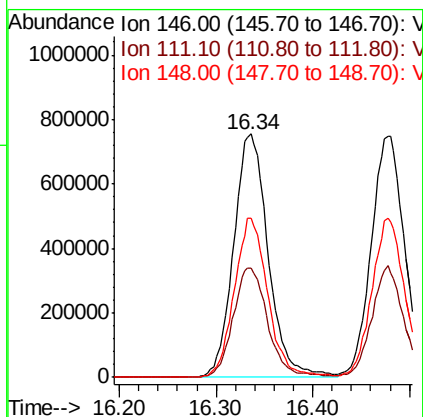
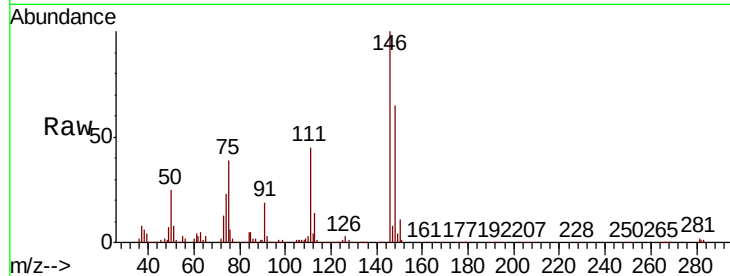
Ion 77.10 (76.80 to 77.80): VL0





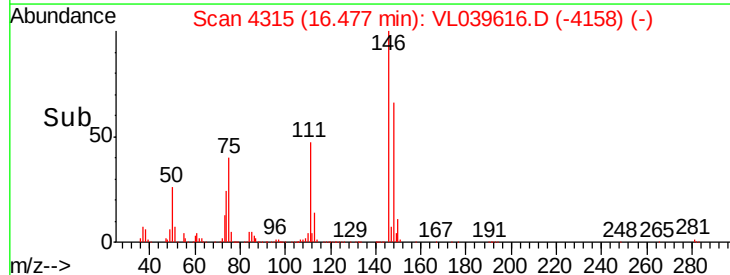
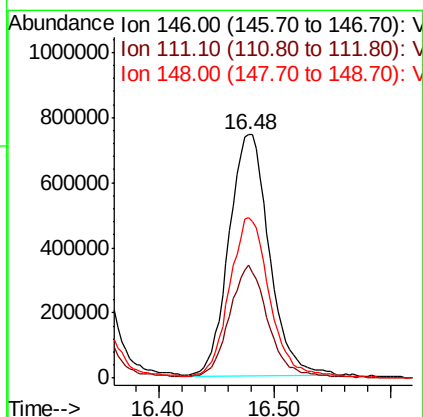
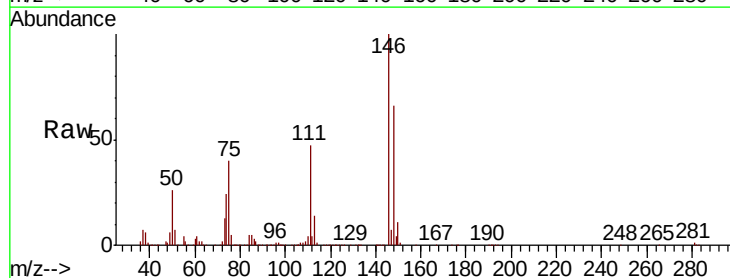
#75
 1,3-Dichlorobenzene
 Concen: 7.997 ppbv
 RT: 16.34
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId:
 VL0907ABS01
 Acq: 7 Sep 2022 12:51

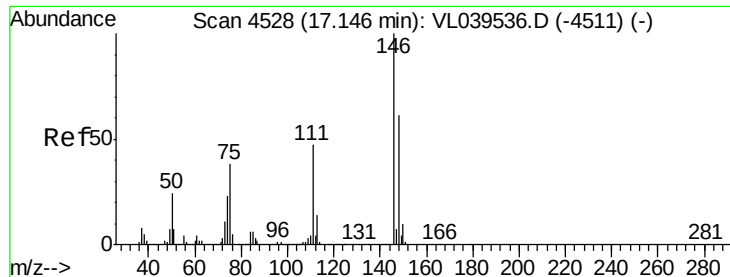
Tot Ion:146 Resp: 1872254
 Ion Ratio Lower Upper
 146 100
 111 45.2 22.9 68.7
 148 63.6 32.1 96.5



#76
 1,4-Dichlorobenzene
 Concen: 7.684 ppbv
 RT: 16.48 min Scan# 4315
 Delta R.T. 0.00 min
 Lab File: VL039616.D
 Acq: 7 Sep 2022 12:51

Tgt Ion:146 Resp: 1792494
 Ion Ratio Lower Upper
 146 100
 111 45.4 22.9 68.8
 148 67.4 33.6 100.8

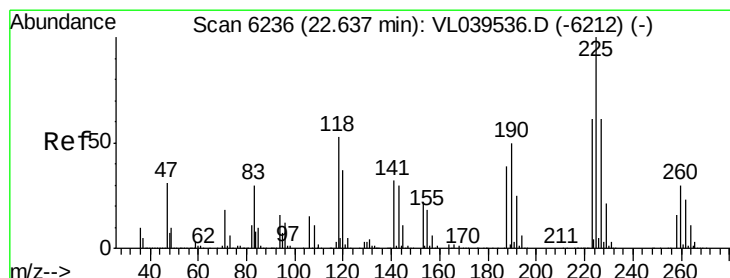
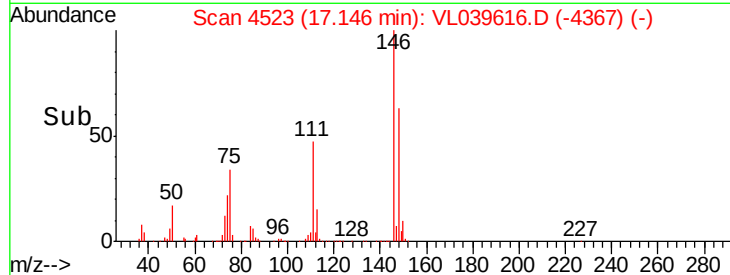
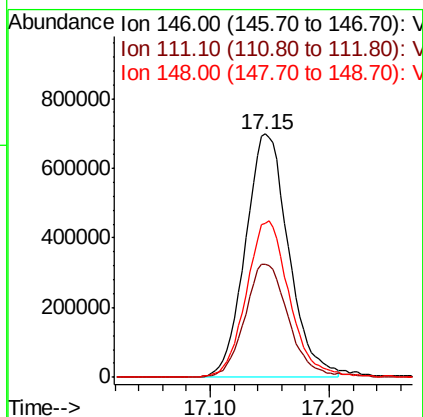
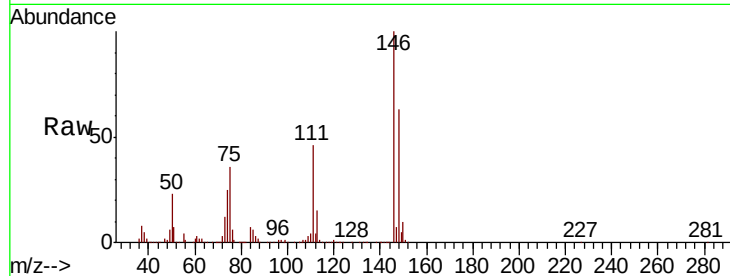




#77
 1,2-Dichlorobenzene
 Concen: 7.640 ppbv
 RT: 17.15
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : VL0907ABS01
 Acq: 7 Sep 2022 12:51

Tot Ion:146 Resp: 1751523

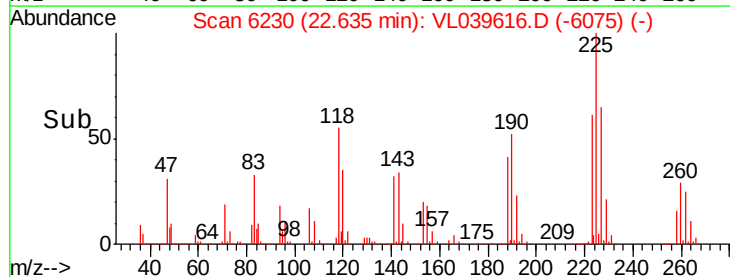
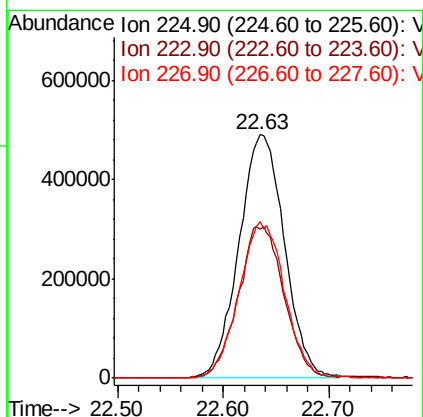
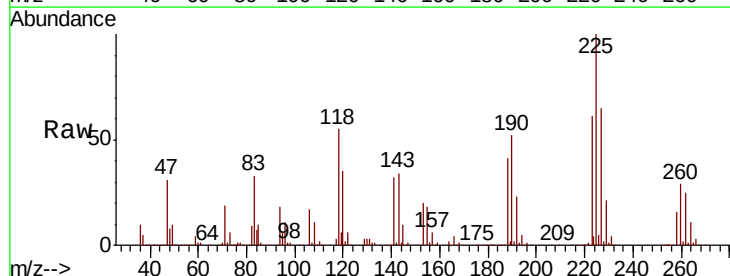
Ion	Ratio	Lower	Upper
146	100		
111	47.2	23.8	71.5
148	64.4	32.3	96.8

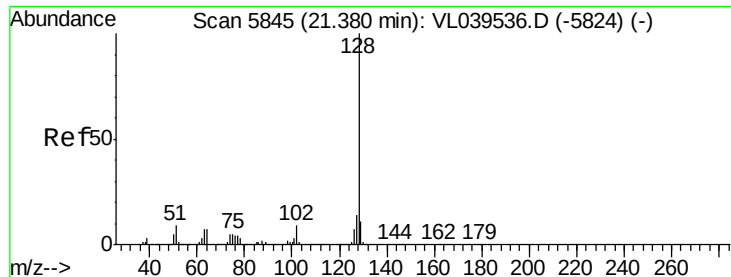


#78
 Hexachloro-1,3-Butadiene
 Concen: 8.018 ppbv
 RT: 22.63 min Scan# 6230
 Delta R.T. -0.00 min
 Lab File: VL039616.D
 Acq: 7 Sep 2022 12:51

Tgt Ion:225 Resp: 1464080

Ion	Ratio	Lower	Upper
225	100		
223	63.5	51.8	77.6
227	65.2	51.4	77.2

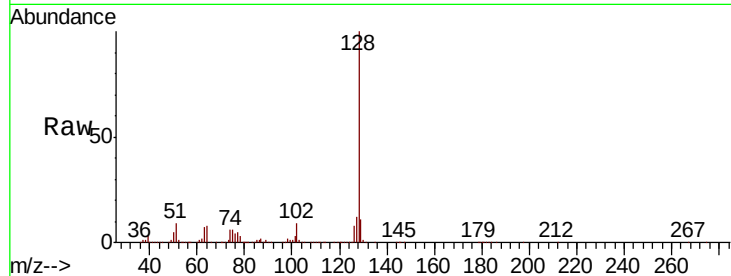




#79
Naphthalene
Concen: 11.172 ppbv
RT: 21.39 min
Instrument: MSVOA_1
Delta R.T.: 0.00 min
Lab File: VL0907ABS01
Acq: 7 Sep 2022 12:51

Tot Ion:128 Resp: 3063964

Ion	Ratio	Lower	Upper
128	100		
127	12.0	10.6	15.8
129	10.8	8.8	13.2

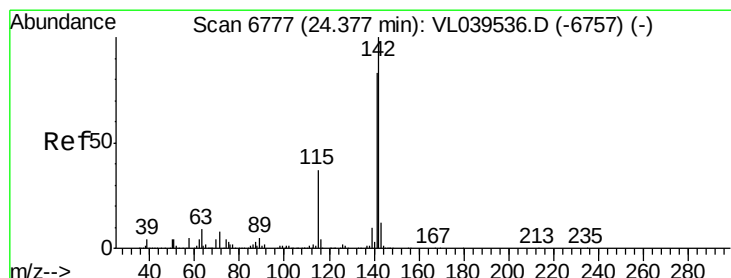
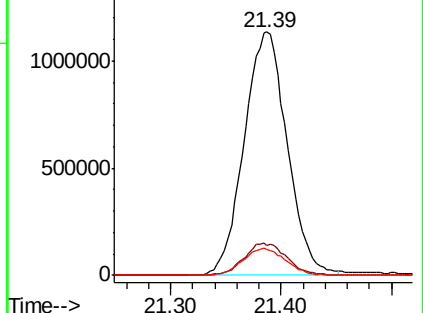
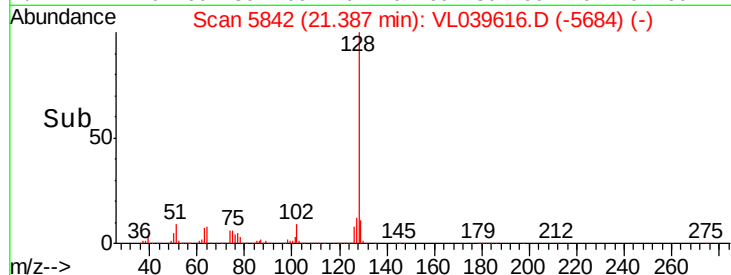


Abundance

Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

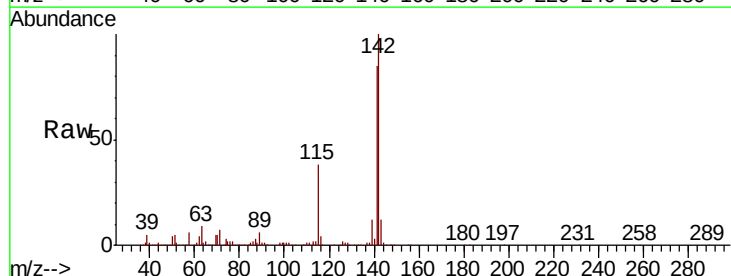
Ion 129.10 (128.80 to 129.80): V



#80
Naphthalene, 2-methyl-
Concen: 9.916 ppbv
RT: 24.38 min Scan# 6773
Delta R.T.: 0.00 min
Lab File: VL039616.D
Acq: 7 Sep 2022 12:51

Tgt Ion:142 Resp: 1103695

Ion	Ratio	Lower	Upper
142	100		
141	81.6	68.9	103.3
115	36.4	30.0	45.0

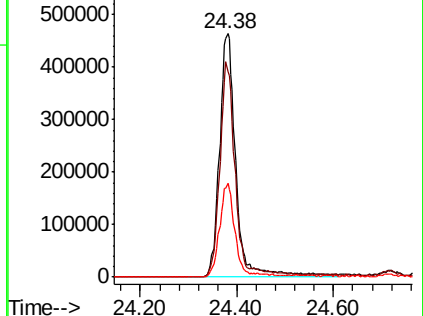
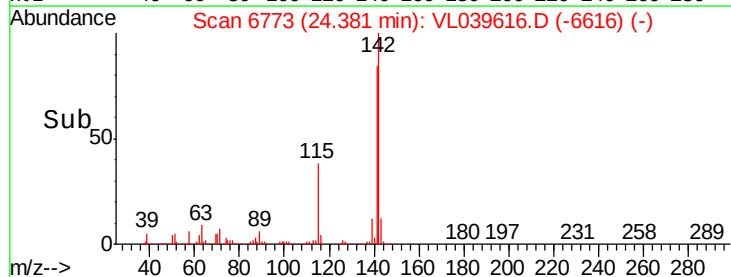


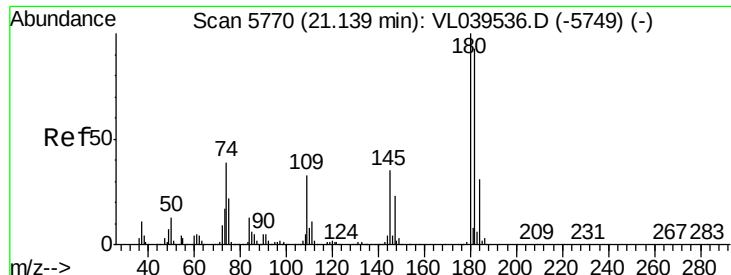
Abundance

Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

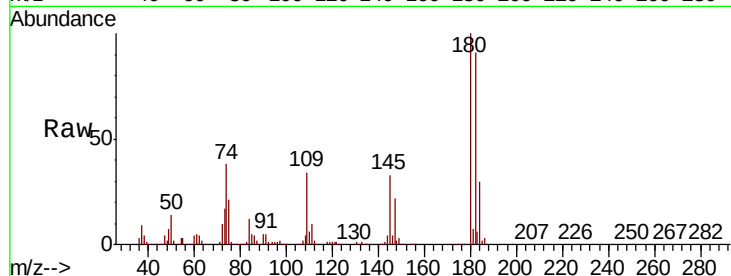
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 9.202 ppbv
 RT: 21.15
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 VL0907ABS01
 Acq: 7 Sep 2022 12:51

Tot Ion:180 Resp: 1685209
 Ion Ratio Lower Upper
 180 100
 182 97.2 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

