

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091823\
 Data File : VL040694.D
 Acq On : 18 Sep 2023 11:14
 Operator : SY/MD
 Sample : VL0918ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Sep 19 05:16:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Sep 19 05:12:43 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.201	49	1227074	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	3183725	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.478	117	2947953	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.786	95	2312702	10.154	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.500%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.735	85	2480492	9.175	ppbv	100
3) Chlorodifluoromethane	2.681	51	1771275	8.861	ppbv	99
4) Chloromethane	2.819	50	681516	8.905	ppbv	99
5) Vinyl Chloride	2.928	62	771475	8.529	ppbv	98
6) Bromomethane	3.124	94	403642	9.250	ppbv	93
7) Chloroethane	3.201	64	287692	9.261	ppbv	95
8) Dichlorotetrafluoroethane	2.864	85	2037473	9.129	ppbv	99
9) Propene	2.700	41	501228	8.704	ppbv	95
10) Heptane	7.590	43	1315792	10.140	ppbv	98
11) Trichlorofluoromethane	3.568	101	2200802	9.260	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.073	101	1627525	9.573	ppbv	97
13) Ethanol	3.246	45	144096	8.454	ppbv	98
14) Bromoethene	3.372	108	662427	9.289	ppbv	98
15) Acetone	3.475	43	1397131	8.632	ppbv	99
16) 1,3-Butadiene	2.992	39	703018	9.966	ppbv	97
17) tert-Butyl alcohol	3.886	59	1525698	9.202	ppbv	99
18) 1,1-Dichloroethene	3.890	96	727664	9.629	ppbv	91
19) Isopropyl Alcohol	3.581	45	916216	9.395	ppbv #	98
20) Methylene Chloride	3.938	84	632234	7.257	ppbv	98
21) Allyl Chloride	4.002	41	940551	9.482	ppbv	99
22) trans-1,2-Dichloroethene	4.452	96	763677	10.221	ppbv	96
23) Vinyl Acetate	4.632	43	1665369	9.949	ppbv	99
24) 1,1-Dichloroethane	4.571	63	1504525	9.605	ppbv	99
25) Ethyl Acetate	5.214	43	2478093	9.493	ppbv	99
26) Hexane	5.221	57	1094540	8.867	ppbv	97
27) Carbon Disulfide	4.131	76	1878946	10.916	ppbv	98
28) Methyl tert-Butyl Ether	4.590	73	1076311	10.135	ppbv	99
29) Chloroform	5.285	83	1962899	9.210	ppbv	99
30) Cyclohexane	6.610	84	941781	10.132	ppbv	98
31) cis-1,2-Dichloroethene	5.086	61	1132605	9.890	ppbv	96
32) 1,1,1-Trichloroethane	6.012	97	2047943	9.399	ppbv	99
34) 2-Butanone	4.793	43	1489418	9.302	ppbv	99
35) Carbon Tetrachloride	6.504	117	2143870	9.807	ppbv	97
36) Benzene	6.381	78	2296711	9.742	ppbv	97
37) 1,2-Dichloroethane	5.816	62	1528672	9.474	ppbv	99
38) Trichloroethene	7.301	130	949281	10.558	ppbv	99
39) 1,2-Dichloropropane	7.082	63	867391	9.558	ppbv	99
40) 1,4-Dioxane	7.295	88	379280	11.056	ppbv #	100
41) Tetrahydrofuran	5.565	42	812783	9.900	ppbv	100
42) Bromodichloromethane	7.259	83	2156880	9.797	ppbv	98
43) Methyl Methacrylate	7.484	69	935639	10.677	ppbv	99
44) 2,2,4-Trimethylpentane	7.336	57	3765114	10.030	ppbv	99
45) t-1,3-Dichloropropene	8.722	75	852787	12.550	ppbv	97

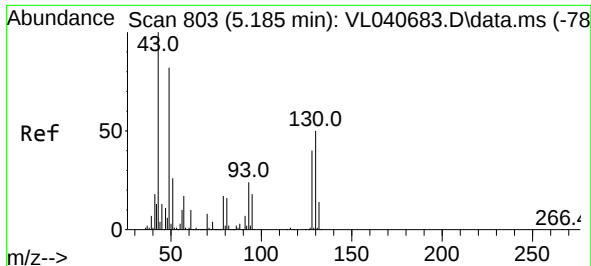
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 Data File : VL040694.D
 Acq On : 18 Sep 2023 11:14
 Operator : SY/MD
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Quant Time: Sep 19 05:16:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Sep 19 05:12:43 2023
 Response via : Initial Calibration

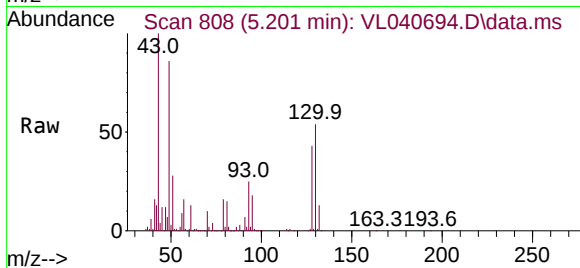
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.153	75	946551	11.385	ppbv	97
47) 1,1,2-Trichloroethane	8.909	97	1000988	9.612	ppbv	97
48) Dibromochloromethane	9.719	129	1789369	10.416	ppbv	99
49) Bromoform	12.420	173	1491817	10.573	ppbv	99
50) 4-Methyl-2-Pentanone	8.192	43	2220126	10.261	ppbv	98
51) 2-Hexanone	9.558	43	1628670	10.906	ppbv #	99
52) Tetrachloroethene	10.626	164	822386	10.694	ppbv	94
53) Toluene	9.230	91	2674750	10.746	ppbv	99
54) 1,2-Dibromoethane	10.021	107	1429076	10.751	ppbv	94
56) 1,1,1,2-Tetrachloroethane	11.519	131	1331115	9.473	ppbv	98
57) Chlorobenzene	11.539	112	2123245	9.511	ppbv	98
58) Ethyl Benzene	12.101	91	3678344	10.944	ppbv	99
59) m/p-Xylene	12.381	91	3267050	10.352	ppbv #	34
60) o-Xylene	13.069	91	3128963	10.396	ppbv	100
61) Styrene	12.905	104	1523797	12.080	ppbv	99
62) Isopropylbenzene	14.040	105	4542947	9.997	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.060	83	2227419	9.442	ppbv	100
64) n-propylbenzene	14.928	120	1157469	10.187	ppbv	100
65) tert-Butylbenzene	16.101	119	4059947	9.954	ppbv	99
66) Benzyl Chloride	16.336	91	538360	11.310	ppbv	99
67) sec-Butylbenzene	16.648	105	5689185	9.744	ppbv	100
69) p-Isopropyltoluene	17.008	119	4638467	10.108	ppbv	99
70) n-Butylbenzene	17.895	91	4981966	9.864	ppbv	100
71) 2-Chlorotoluene	14.809	91	3477072	10.342	ppbv	99
72) 4-Ethyltoluene	15.201	105	3568780	10.574	ppbv	99
73) 1,3,5-Trimethylbenzene	15.362	105	3098142	10.194	ppbv	98
74) 1,2,4-Trimethylbenzene	16.117	105	3578605	9.659	ppbv	96
75) 1,3-Dichlorobenzene	16.342	146	2011359	9.528	ppbv	99
76) 1,4-Dichlorobenzene	16.484	146	1952711	9.402	ppbv	100
77) 1,2-Dichlorobenzene	17.149	146	1941094	9.232	ppbv	99
78) Hexachloro-1,3-Butadiene	22.648	225	1373640	8.635	ppbv	99
79) Naphthalene	21.397	128	2820291	12.233	ppbv	97
80) Naphthalene,2-methyl-	24.384	142	803662	14.232	ppbv	96
81) 1,2,4-Trichlorobenzene	21.153	180	1471275	9.770	ppbv	99

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

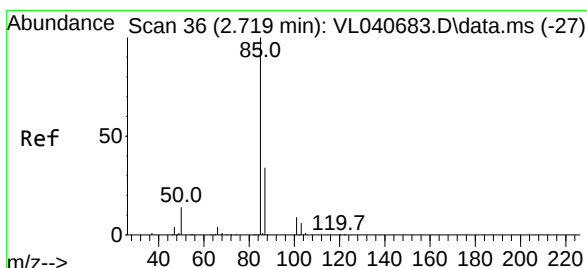
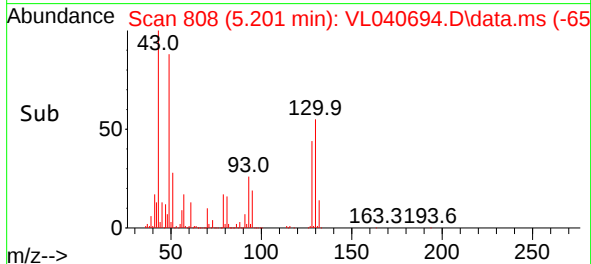
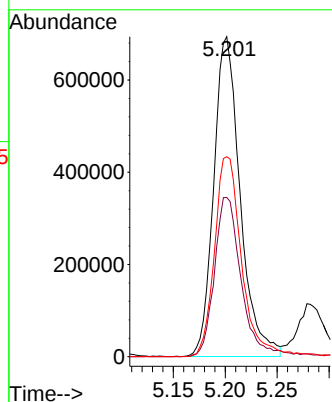


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.201 min Scan# 80
Delta R.T. 0.003 min
Lab File: VL040694.D
Acq: 18 Sep 2023 11:14

Instrument :
MSVOA_L
ClientSampleId :

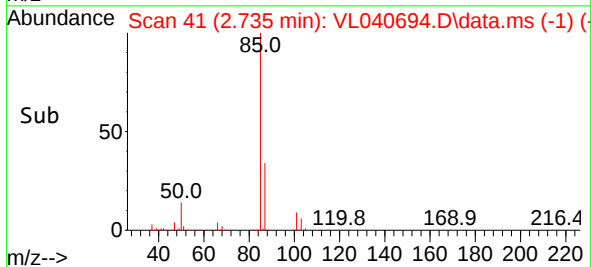
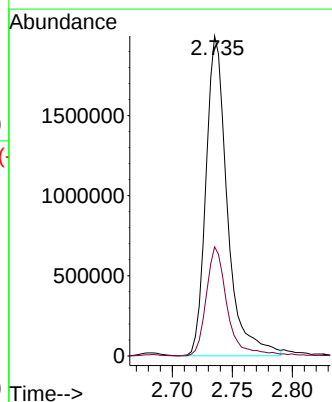
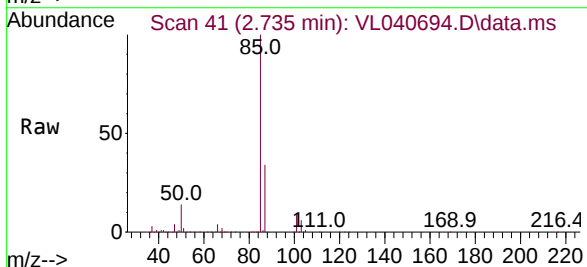


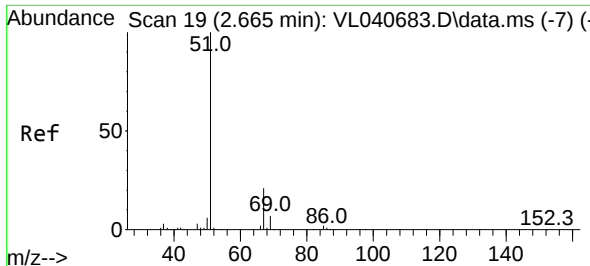
Tgt Ion: 49 Resp: 1227074
Ion Ratio Lower Upper
49 100
128 51.4 25.4 76.0
130 64.8 32.3 96.8



#2
Dichlorodifluoromethane
Concen: 9.175 ppbv
RT: 2.735 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL040694.D
Acq: 18 Sep 2023 11:14

Tgt Ion: 85 Resp: 2480492
Ion Ratio Lower Upper
85 100
87 34.1 27.2 40.8

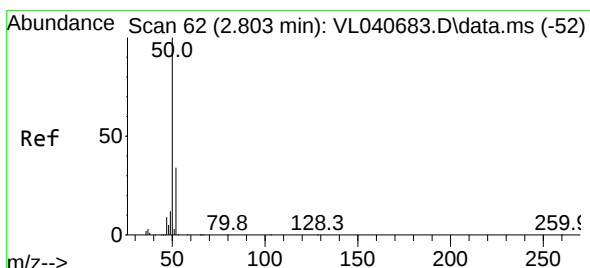
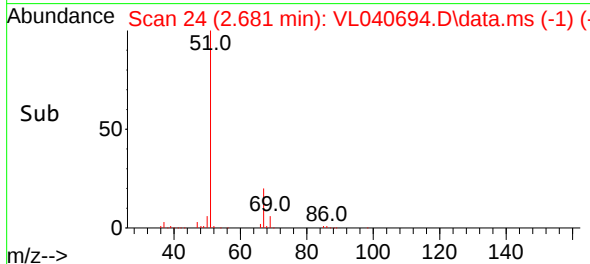
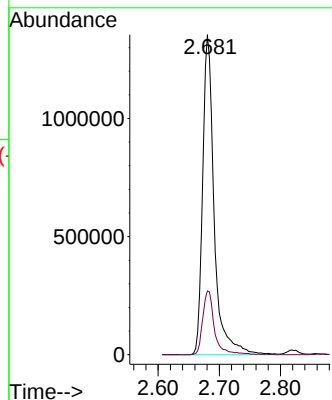
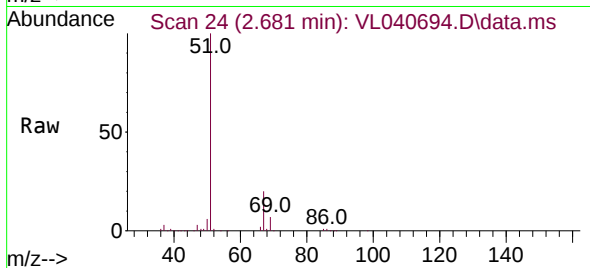




#3
Chlorodifluoromethane
Concen: 8.861 ppbv
RT: 2.681 min Scan# 24
Delta R.T. 0.003 min
Lab File: VL040694.D
Acq: 18 Sep 2023 11:14

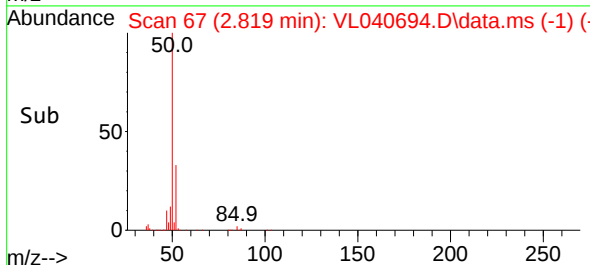
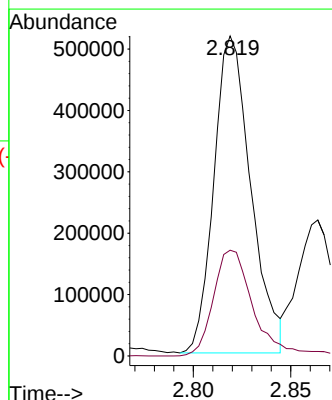
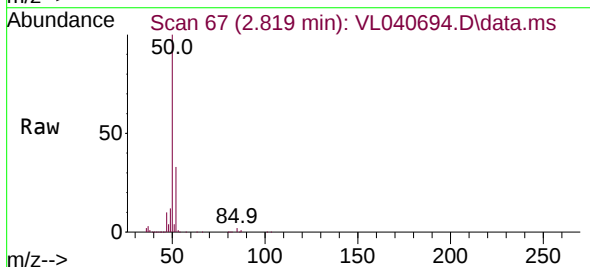
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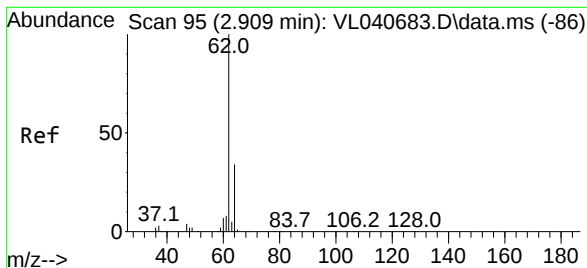
Tgt Ion: 51 Resp: 1771275
Ion Ratio Lower Upper
51 100
67 20.5 16.7 25.1



#4
Chloromethane
Concen: 8.905 ppbv
RT: 2.819 min Scan# 67
Delta R.T. 0.003 min
Lab File: VL040694.D
Acq: 18 Sep 2023 11:14

Tgt Ion: 50 Resp: 681516
Ion Ratio Lower Upper
50 100
52 33.4 27.1 40.7

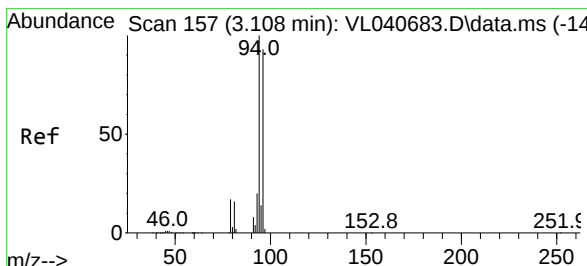
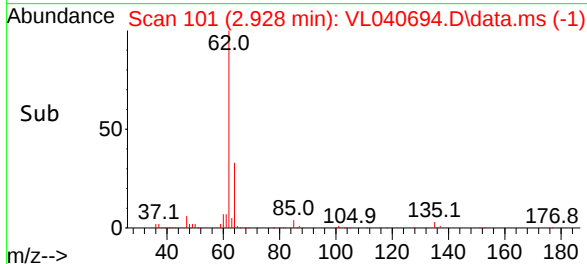
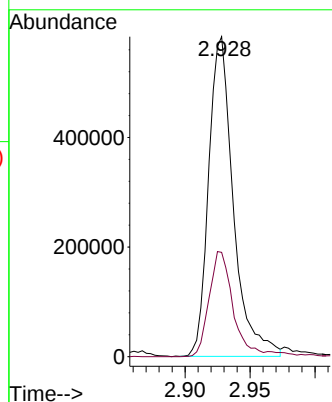
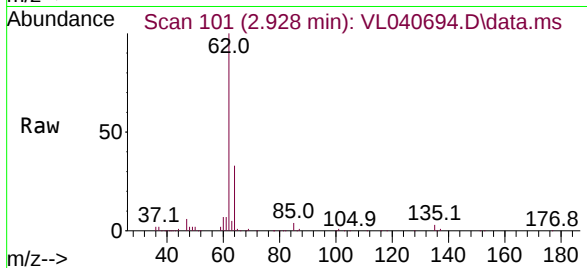




#5
 Vinyl Chloride
 Concen: 8.529 ppbv
 RT: 2.928 min Scan# 101
 Delta R.T. 0.003 min
 Lab File: VL040694.D
 Acq: 18 Sep 2023 11:14

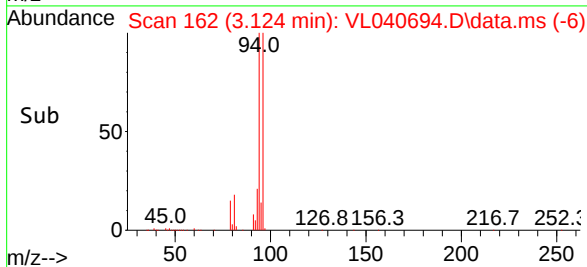
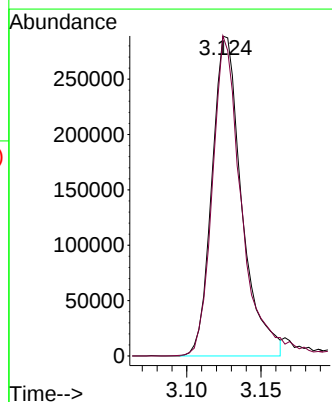
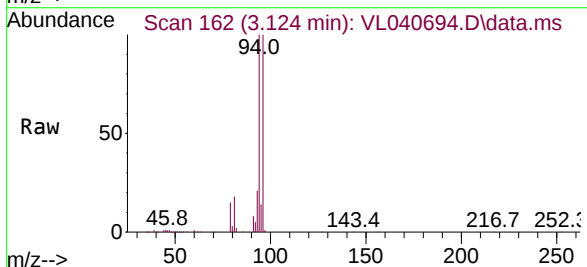
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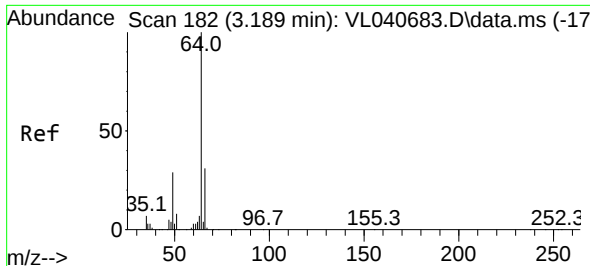
Tgt Ion: 62 Resp: 771475
 Ion Ratio Lower Upper
 62 100
 64 32.6 27.2 40.8



#6
 Bromomethane
 Concen: 9.250 ppbv
 RT: 3.124 min Scan# 162
 Delta R.T. 0.000 min
 Lab File: VL040694.D
 Acq: 18 Sep 2023 11:14

Tgt Ion: 94 Resp: 403642
 Ion Ratio Lower Upper
 94 100
 96 99.9 74.4 111.6

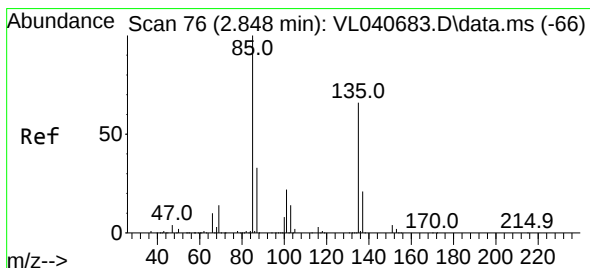
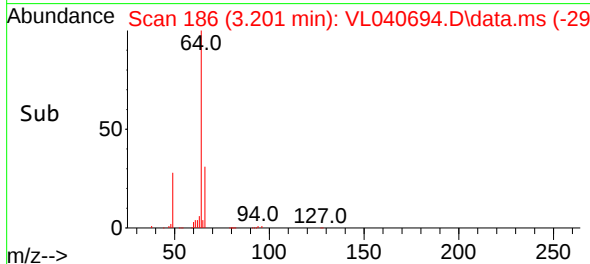
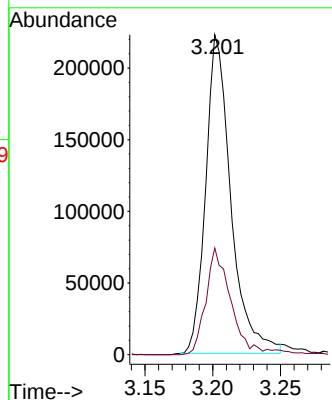
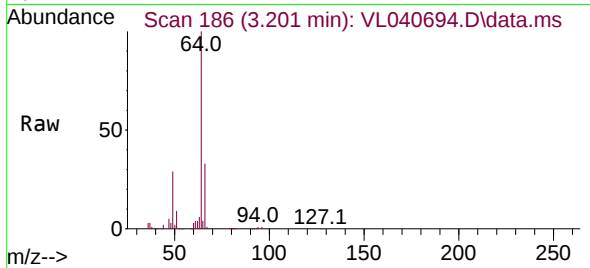




#7
Chloroethane
Concen: 9.261 ppbv
RT: 3.201 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL040694.D
Acq: 18 Sep 2023 11:14

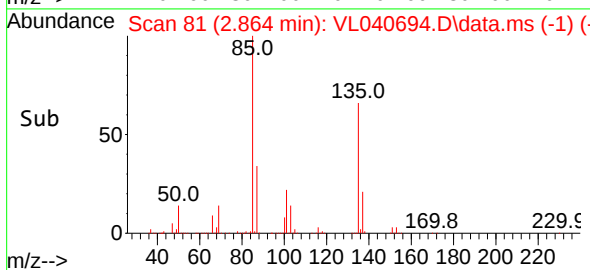
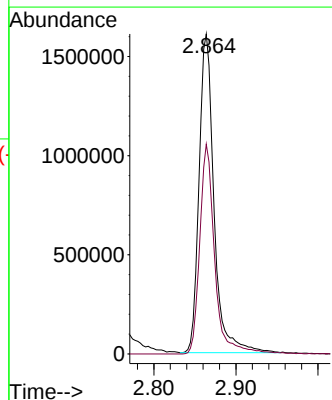
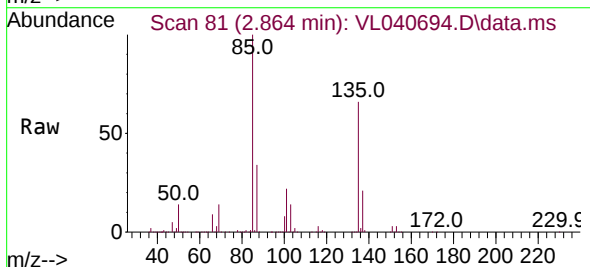
Instrument :
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ClientSampleId :

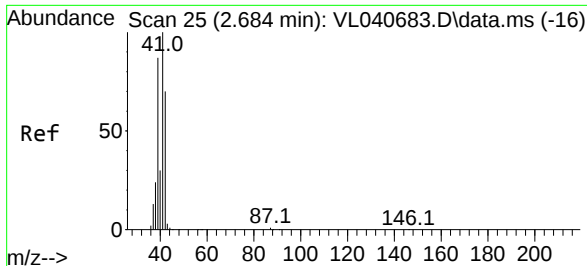
Tgt Ion: 64 Resp: 287692
Ion Ratio Lower Upper
64 100
66 33.3 24.5 36.7



#8
Dichlorotetrafluoroethane
Concen: 9.129 ppbv
RT: 2.864 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL040694.D
Acq: 18 Sep 2023 11:14

Tgt Ion: 85 Resp: 2037473
Ion Ratio Lower Upper
85 100
135 65.9 53.4 80.2





#9

Propene

Concen: 8.704 ppbv

RT: 2.700 min Scan# 30

Delta R.T. 0.003 min

Lab File: VL040694.D

Acq: 18 Sep 2023 11:14

Instrument :

MSVOA_L

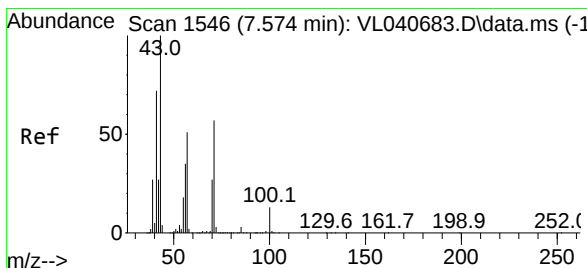
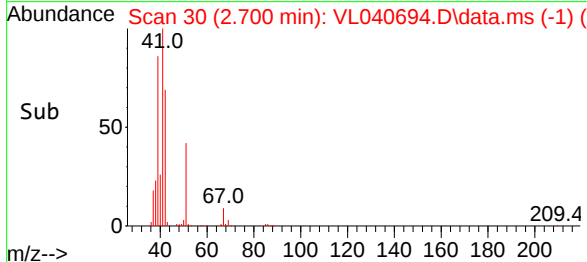
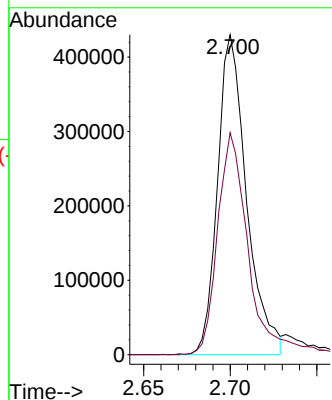
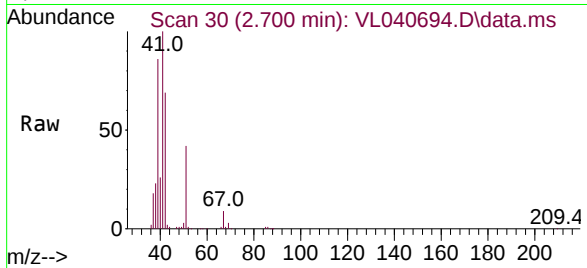
ClientSampleId :

Tgt Ion: 41 Resp: 501228

Ion Ratio Lower Upper

41 100

42 75.0 56.7 85.1



#10

Heptane

Concen: 10.140 ppbv

RT: 7.590 min Scan# 1551

Delta R.T. 0.003 min

Lab File: VL040694.D

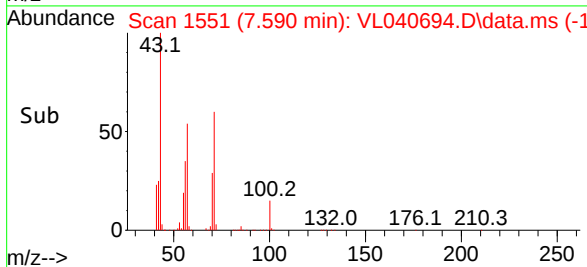
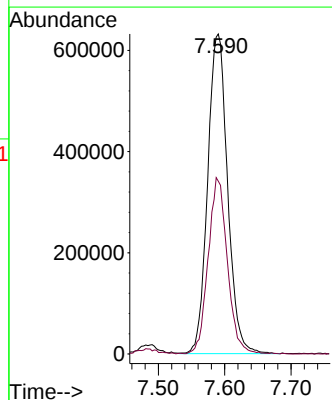
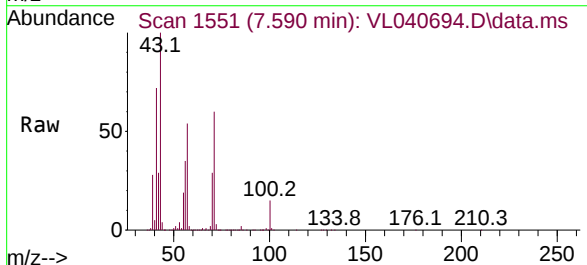
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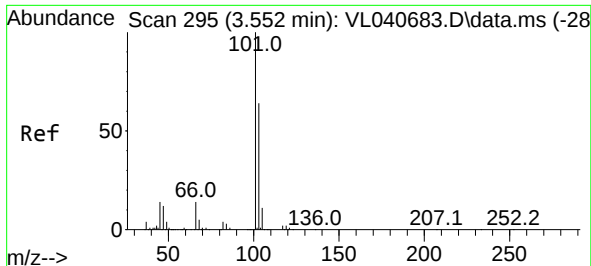
Tgt Ion: 43 Resp: 1315792

Ion Ratio Lower Upper

43 100

57 53.4 41.8 62.6

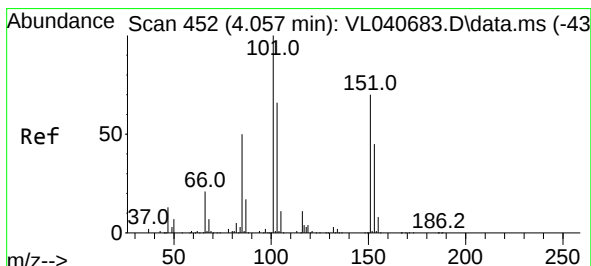
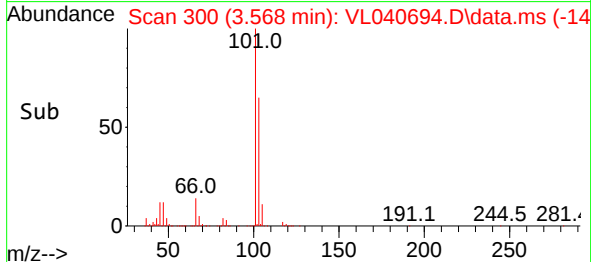
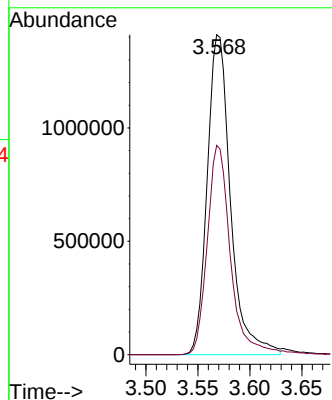
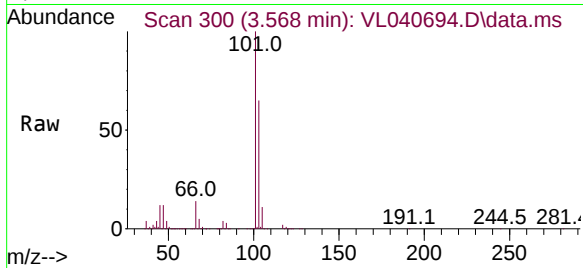




#11
 Trichlorofluoromethane
 Concen: 9.260 ppbv
 RT: 3.568 min Scan# 300
 Delta R.T. 0.000 min
 Lab File: VL040694.D
 Acq: 18 Sep 2023 11:14

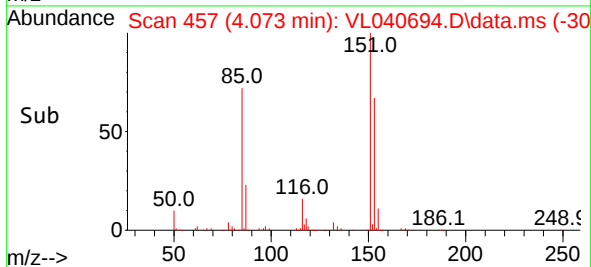
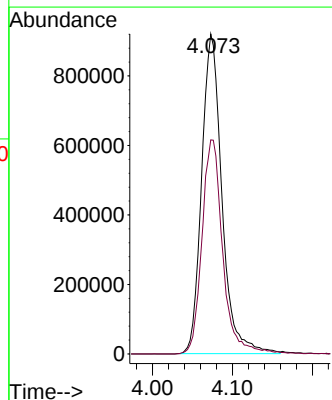
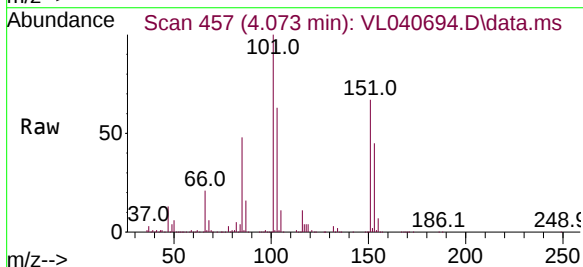
Instrument :
 MSVOA_L
 ClientSampleId :

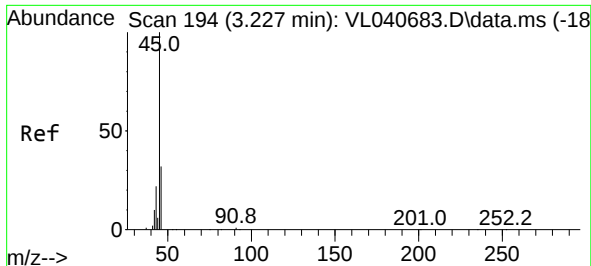
Tgt Ion:101 Resp: 2200802
 Ion Ratio Lower Upper
 101 100
 103 65.4 51.3 76.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.573 ppbv
 RT: 4.073 min Scan# 457
 Delta R.T. 0.000 min
 Lab File: VL040694.D
 Acq: 18 Sep 2023 11:14

Tgt Ion:101 Resp: 1627525
 Ion Ratio Lower Upper
 101 100
 151 68.8 56.8 85.2

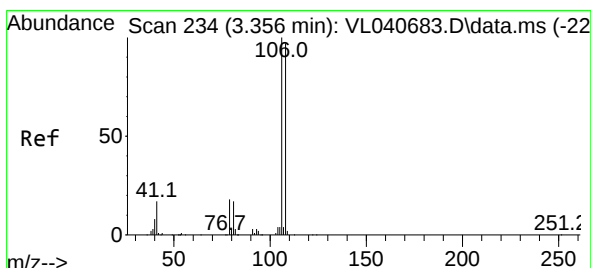
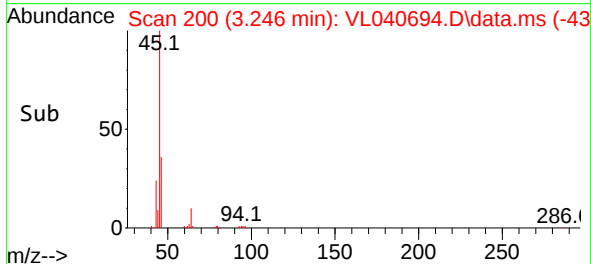
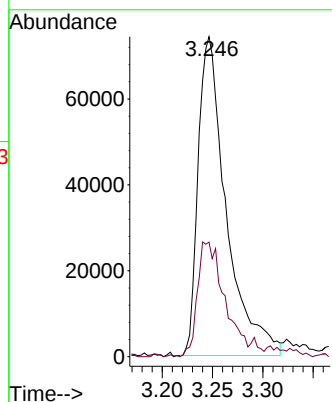
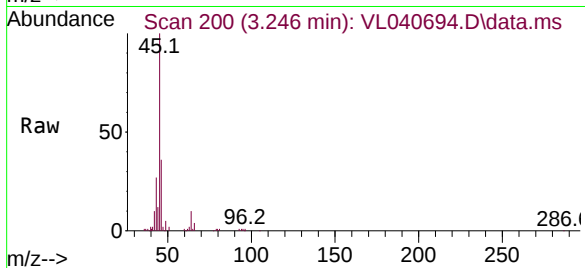




#13
Ethanol
Concen: 8.454 ppbv
RT: 3.246 min Scan# 200
Delta R.T. 0.003 min
Lab File: VL040694.D
Acq: 18 Sep 2023 11:14

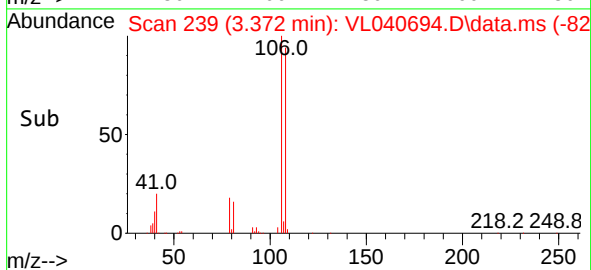
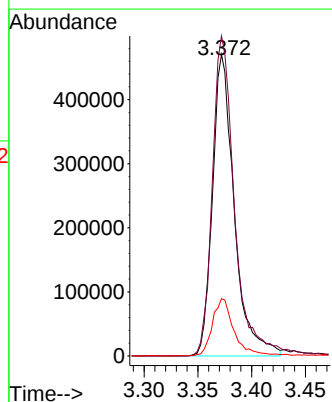
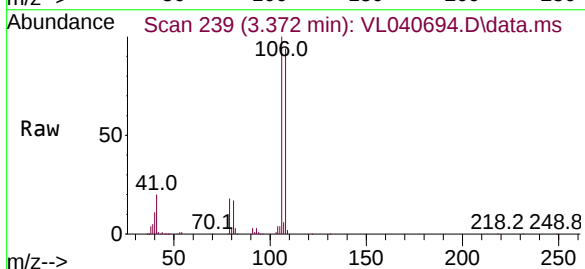
Instrument :
MSVOA_L
ClientSampleId :

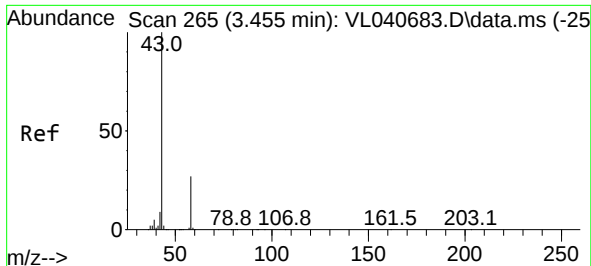
Tgt Ion: 45 Resp: 144096
Ion Ratio Lower Upper
45 100
46 39.4 15.2 61.0



#14
Bromoethene
Concen: 9.289 ppbv
RT: 3.372 min Scan# 239
Delta R.T. 0.003 min
Lab File: VL040694.D
Acq: 18 Sep 2023 11:14

Tgt Ion: 108 Resp: 662427
Ion Ratio Lower Upper
108 100
106 110.0 86.0 129.0
79 19.8 15.6 23.4

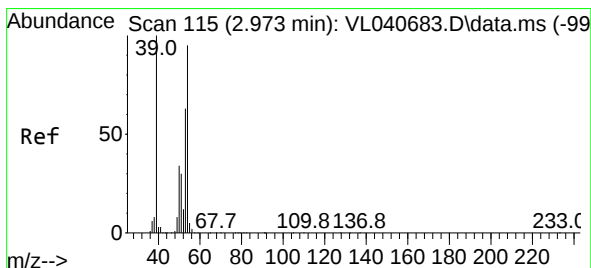
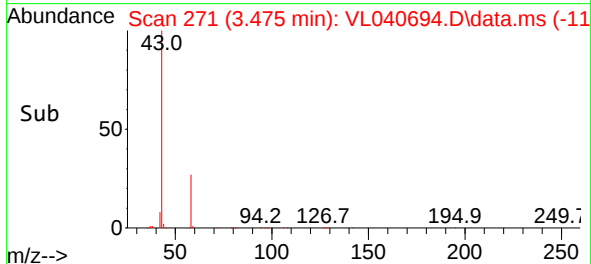
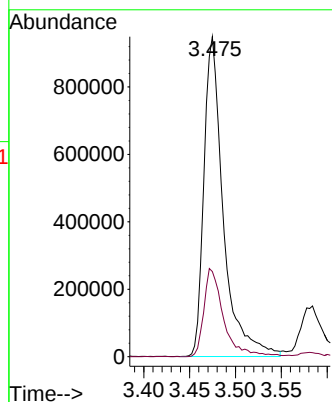
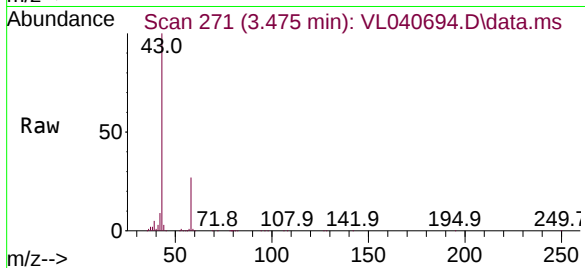




#15
Acetone
Concen: 8.632 ppbv
RT: 3.475 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL040694.D
Acq: 18 Sep 2023 11:14

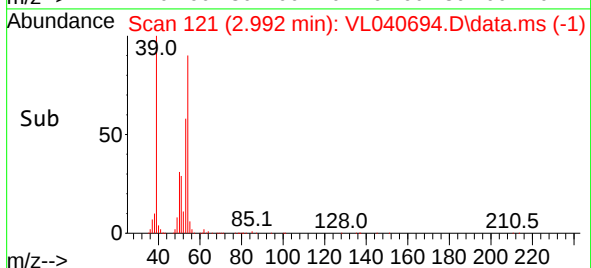
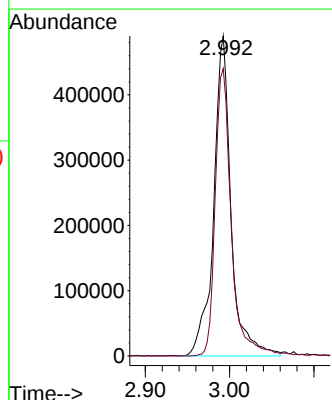
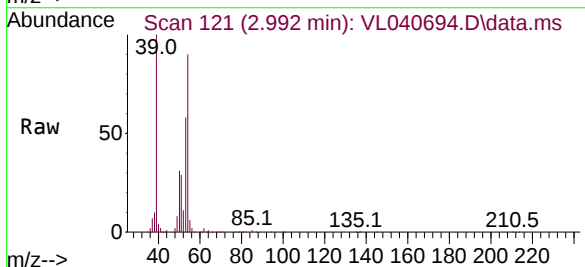
Instrument :
MSVOA_L
ClientSampleId :

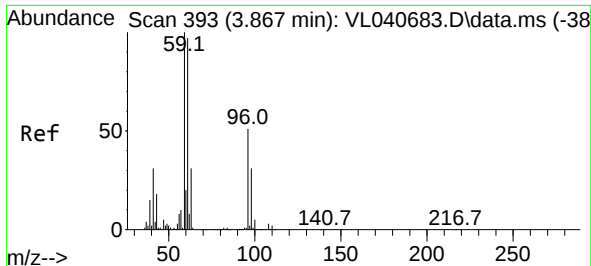
Tgt Ion: 43 Resp: 1397131
Ion Ratio Lower Upper
43 100
58 28.0 22.6 34.0



#16
1,3-Butadiene
Concen: 9.966 ppbv
RT: 2.992 min Scan# 121
Delta R.T. 0.003 min
Lab File: VL040694.D
Acq: 18 Sep 2023 11:14

Tgt Ion: 39 Resp: 703018
Ion Ratio Lower Upper
39 100
54 83.6 64.8 97.2





#17

tert-Butyl alcohol

Concen: 9.202 ppbv

RT: 3.886 min Scan# 393

Delta R.T. 0.003 min

Lab File: VL040694.D

Acq: 18 Sep 2023 11:14

Instrument :

MSVOA_L

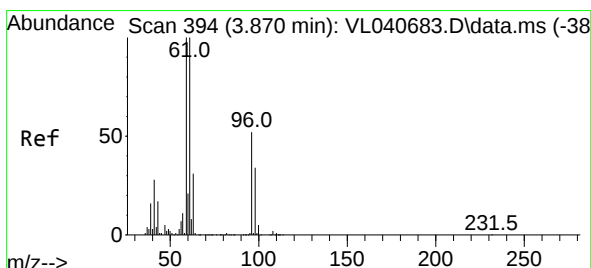
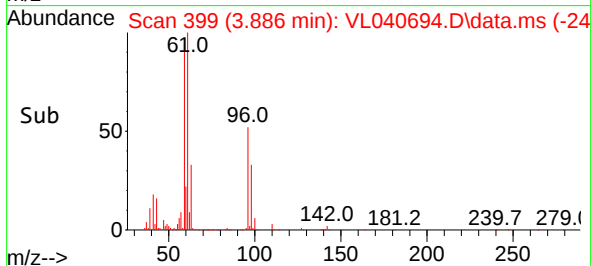
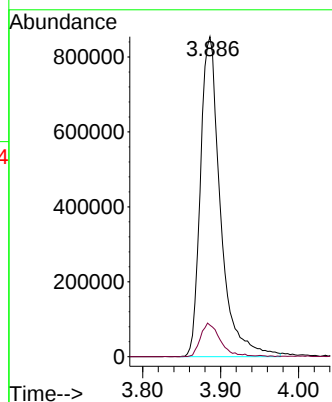
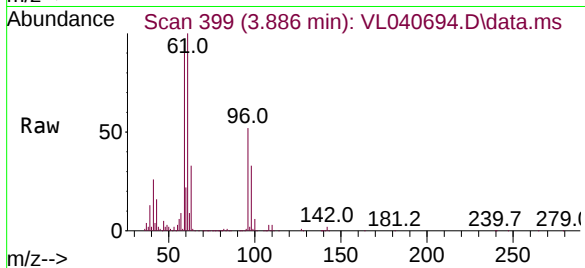
ClientSampleId :

Tgt Ion: 59 Resp: 1525698

Ion Ratio Lower Upper

59 100

57 10.7 8.7 13.1



#18

1,1-Dichloroethene

Concen: 9.629 ppbv

RT: 3.890 min Scan# 400

Delta R.T. 0.006 min

Lab File: VL040694.D

Acq: 18 Sep 2023 11:14

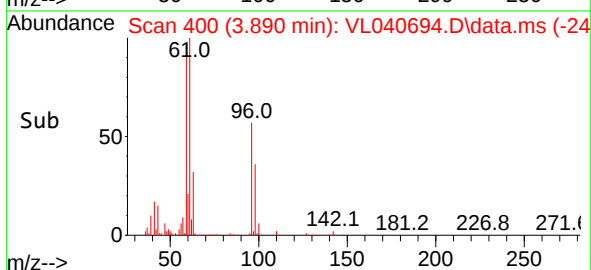
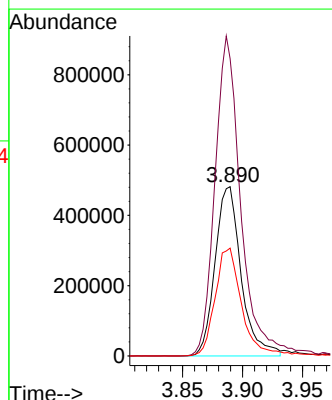
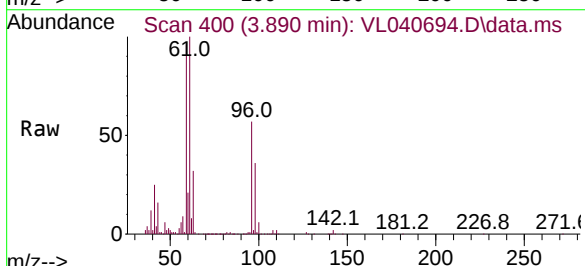
Tgt Ion: 96 Resp: 727664

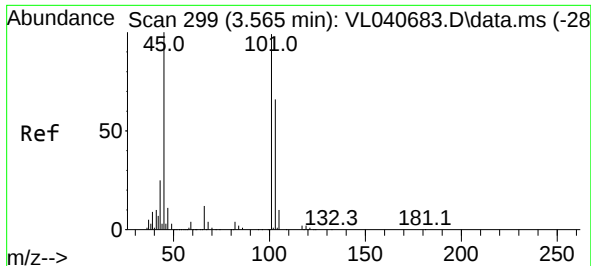
Ion Ratio Lower Upper

96 100

61 175.6 153.6 230.4

98 63.7 51.9 77.9





#19

Isopropyl Alcohol

Concen: 9.395 ppbv

RT: 3.581 min Scan# 304

Delta R.T. 0.003 min

Lab File: VL040694.D

Acq: 18 Sep 2023 11:14

Instrument :

MSVOA_L

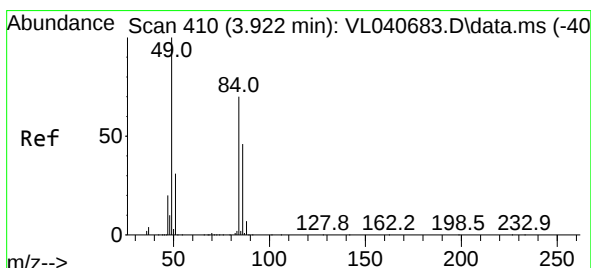
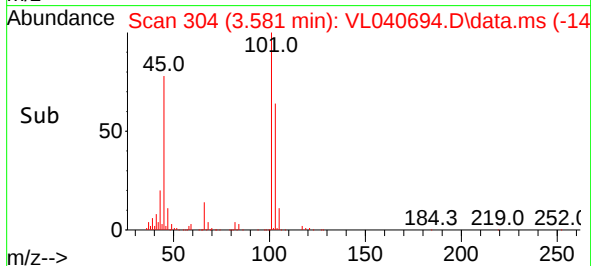
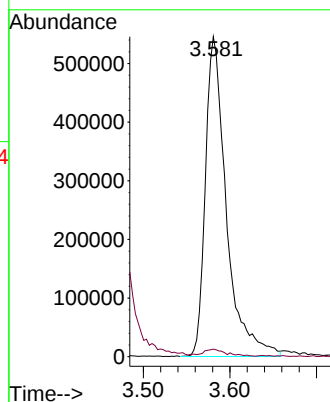
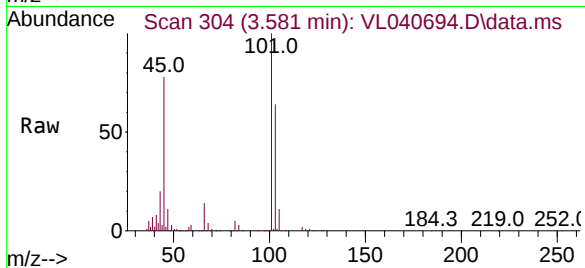
ClientSampleId :

Tgt Ion: 45 Resp: 916216

Ion Ratio Lower Upper

45 100

58 3.0 1.9 2.9#



#20

Methylene Chloride

Concen: 7.257 ppbv

RT: 3.938 min Scan# 415

Delta R.T. 0.000 min

Lab File: VL040694.D

Acq: 18 Sep 2023 11:14

Tgt Ion: 84 Resp: 632234

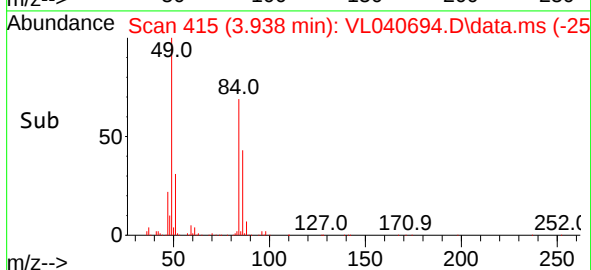
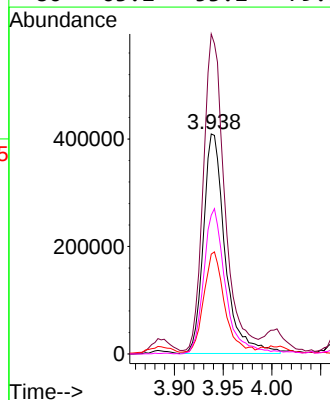
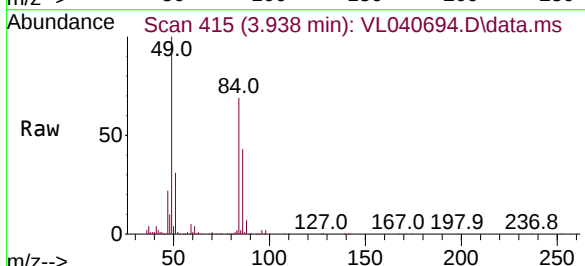
Ion Ratio Lower Upper

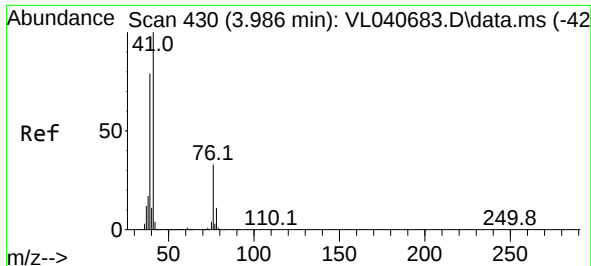
84 100

49 144.2 114.4 171.6

51 44.7 35.5 53.3

86 63.2 53.2 79.8





#21

Allyl Chloride

Concen: 9.482 ppbv

RT: 4.002 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL040694.D

Acq: 18 Sep 2023 11:14

Instrument :

MSVOA_L

ClientSampleId :

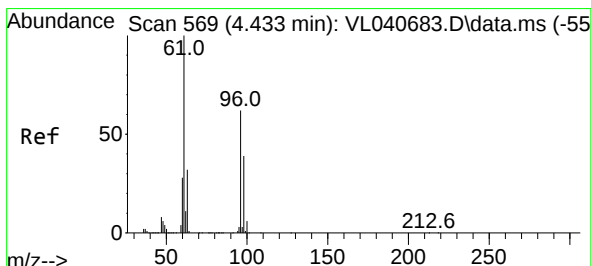
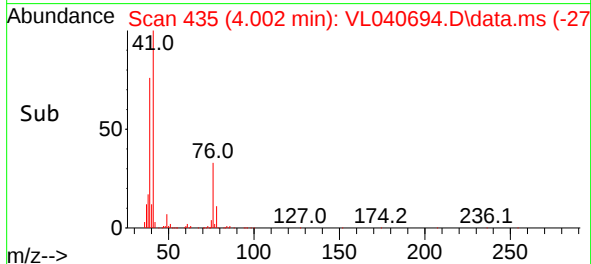
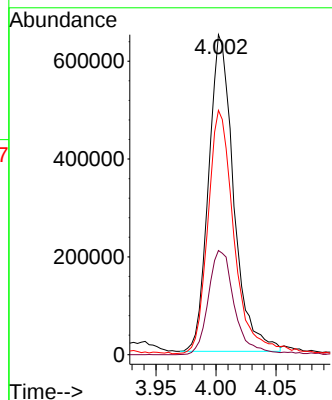
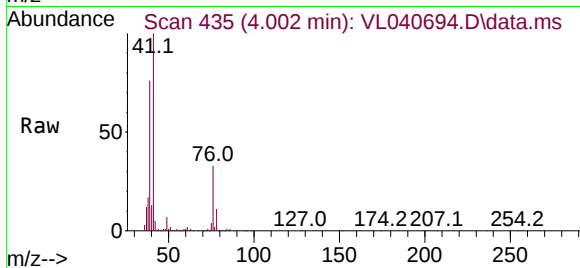
Tgt Ion: 41 Resp: 940551

Ion Ratio Lower Upper

41 100

76 34.9 26.6 40.0

39 81.2 65.0 97.4



#22

trans-1,2-Dichloroethene

Concen: 10.221 ppbv

RT: 4.452 min Scan# 575

Delta R.T. 0.000 min

Lab File: VL040694.D

Acq: 18 Sep 2023 11:14

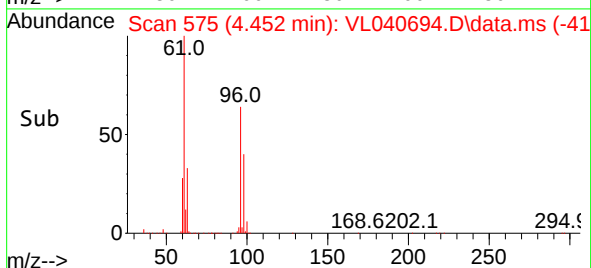
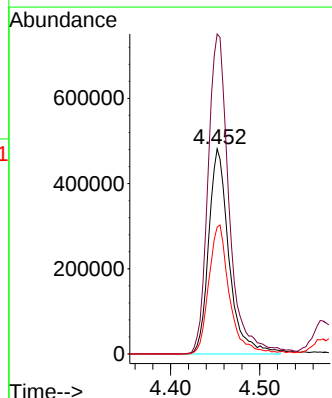
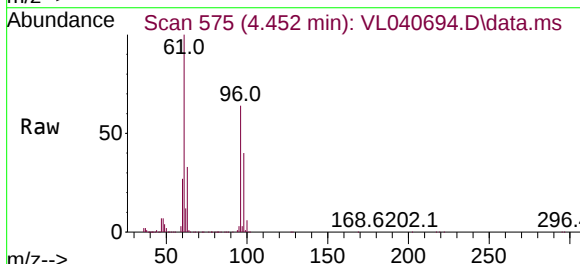
Tgt Ion: 96 Resp: 763677

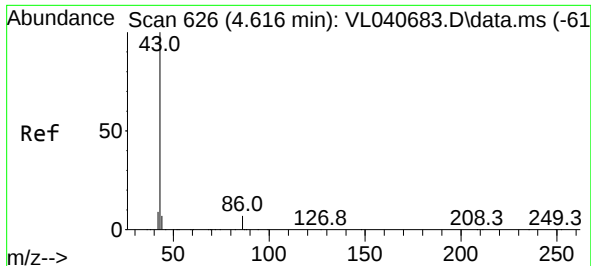
Ion Ratio Lower Upper

96 100

61 155.9 129.9 194.9

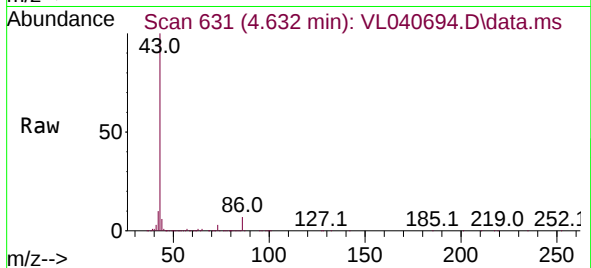
98 61.8 50.2 75.4





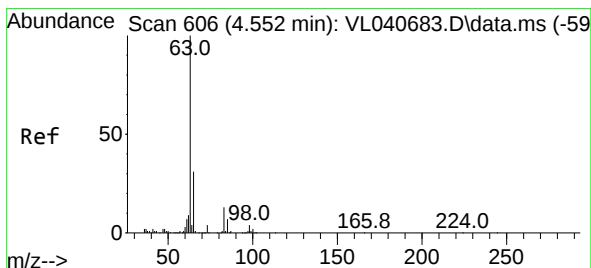
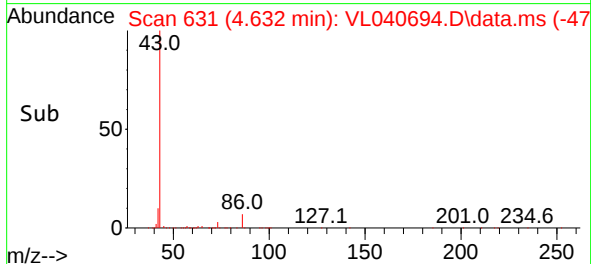
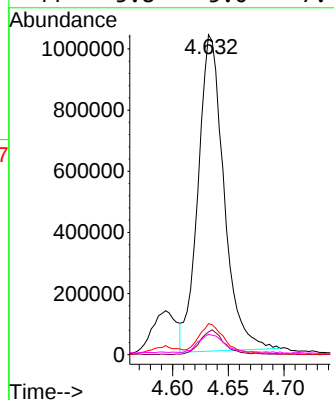
#23
 Vinyl Acetate
 Concen: 9.949 ppbv
 RT: 4.632 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VL040694.D
 Acq: 18 Sep 2023 11:14

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion: 43 Resp: 1665369

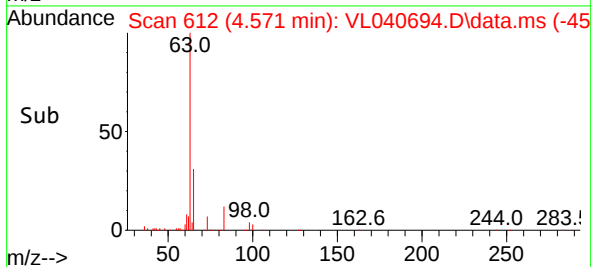
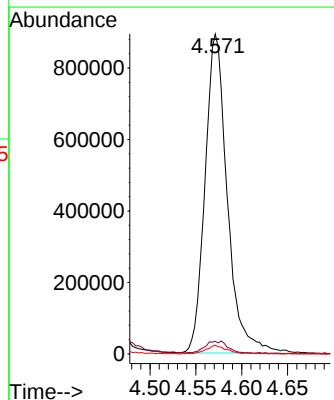
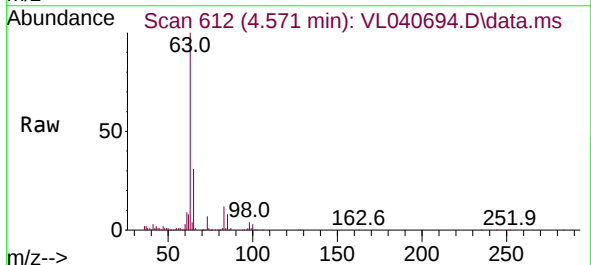
Ion	Ratio	Lower	Upper
43	100		
86	7.1	5.6	8.4
42	9.7	7.6	11.4
44	5.8	5.0	7.4

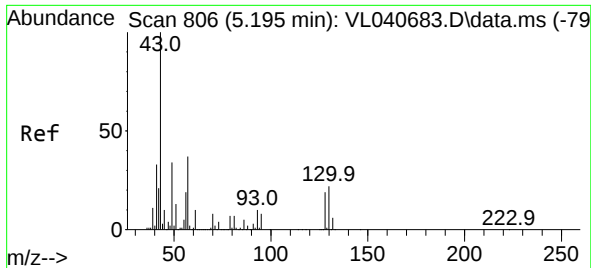


#24
 1,1-Dichloroethane
 Concen: 9.605 ppbv
 RT: 4.571 min Scan# 612
 Delta R.T. 0.003 min
 Lab File: VL040694.D
 Acq: 18 Sep 2023 11:14

Tgt Ion: 63 Resp: 1504525

Ion	Ratio	Lower	Upper
63	100		
98	3.8	1.8	5.5
100	2.7	1.2	3.6



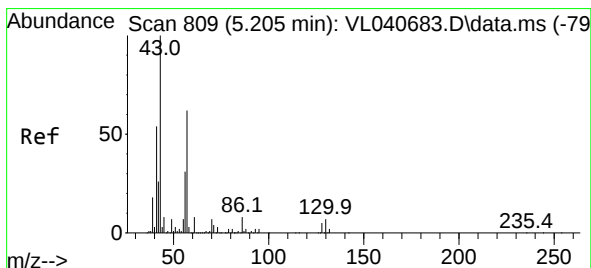
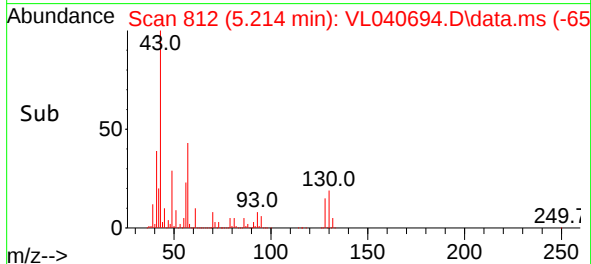
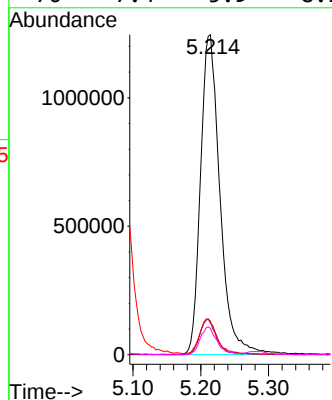
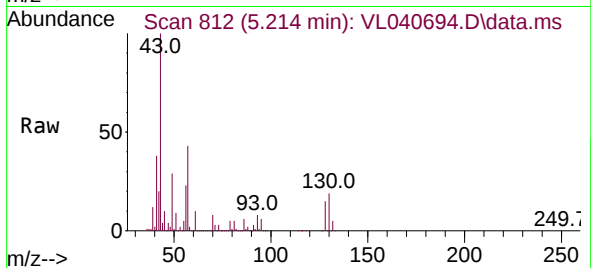


#25
Ethyl Acetate
Concen: 9.493 ppbv
RT: 5.214 min Scan# 811
Delta R.T. 0.003 min
Lab File: VL040694.D
Acq: 18 Sep 2023 11:14

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 2478093

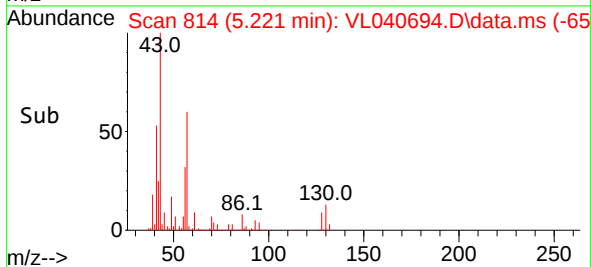
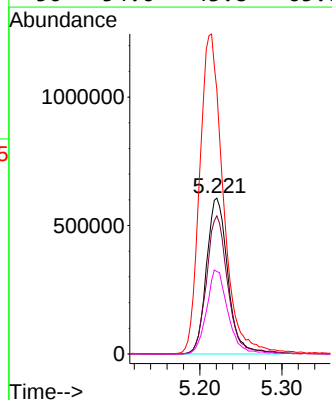
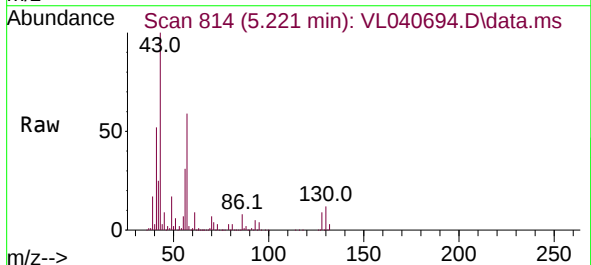
Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.2	12.4
61	10.6	8.2	12.4
70	7.4	5.9	8.9

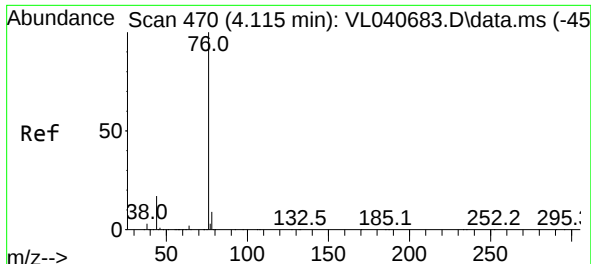


#26
Hexane
Concen: 8.867 ppbv
RT: 5.221 min Scan# 814
Delta R.T. 0.000 min
Lab File: VL040694.D
Acq: 18 Sep 2023 11:14

Tgt Ion: 57 Resp: 1094540

Ion	Ratio	Lower	Upper
57	100		
41	90.2	75.2	112.8
43	227.3	185.6	278.4
56	54.6	43.8	65.8

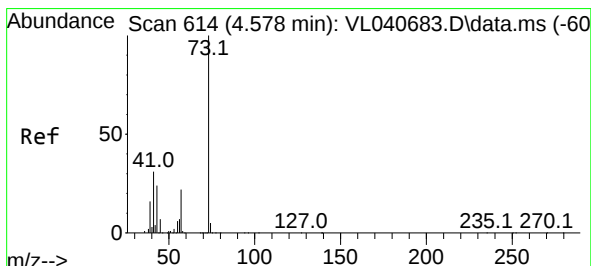
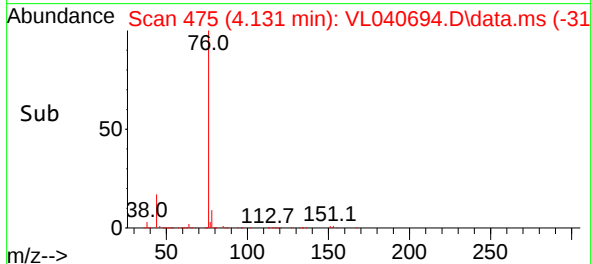
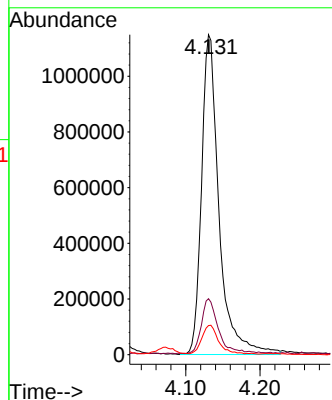
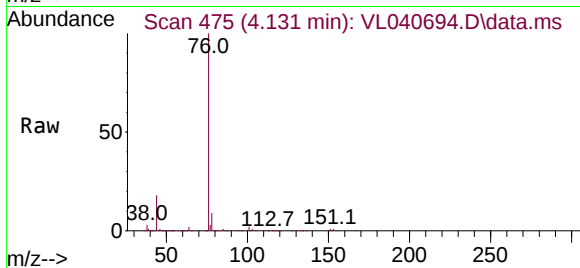




#27
Carbon Disulfide
Concen: 10.916 ppbv
RT: 4.131 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL040694.D
Acq: 18 Sep 2023 11:14

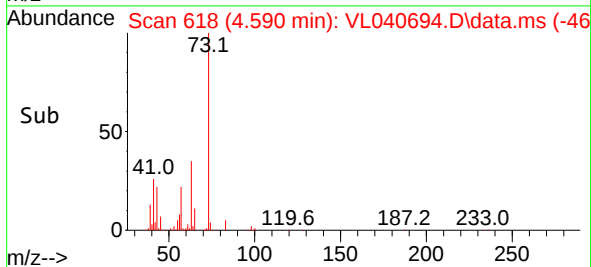
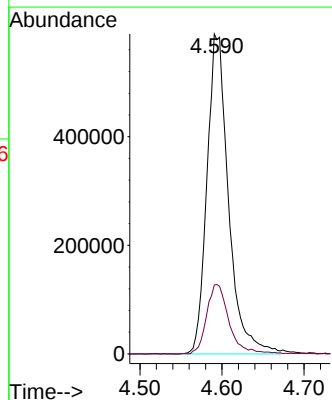
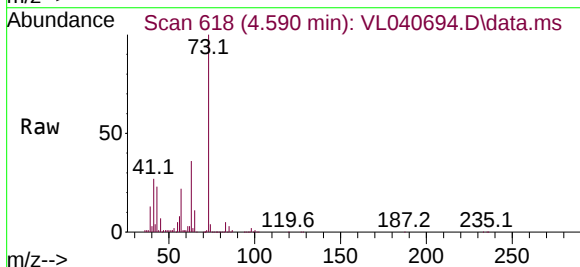
Instrument :
MSVOA_L
ClientSampleId :

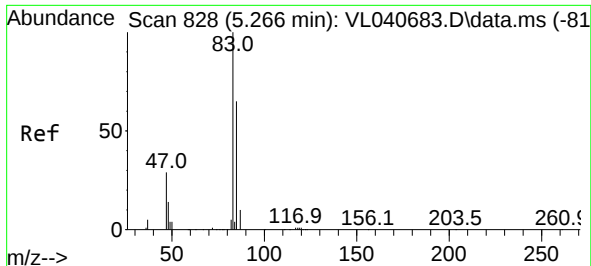
Tgt Ion: 76 Resp: 1878946
Ion Ratio Lower Upper
76 100
44 17.3 14.5 21.7
78 9.2 7.7 11.5



#28
Methyl tert-Butyl Ether
Concen: 10.135 ppbv
RT: 4.590 min Scan# 618
Delta R.T. 0.000 min
Lab File: VL040694.D
Acq: 18 Sep 2023 11:14

Tgt Ion: 73 Resp: 1076311
Ion Ratio Lower Upper
73 100
57 22.8 18.8 28.2





#29

Chloroform

Concen: 9.210 ppbv

RT: 5.285 min Scan# 81

Delta R.T. 0.003 min

Lab File: VL040694.D

Acq: 18 Sep 2023 11:14

Instrument :

MSVOA_L

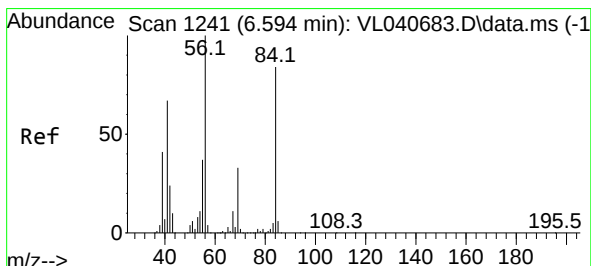
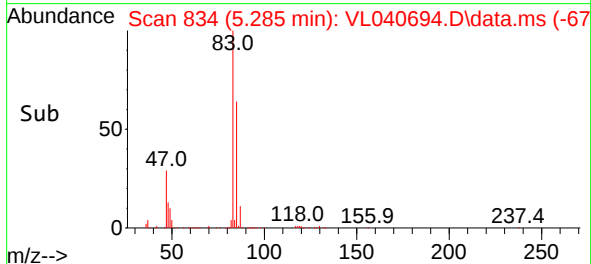
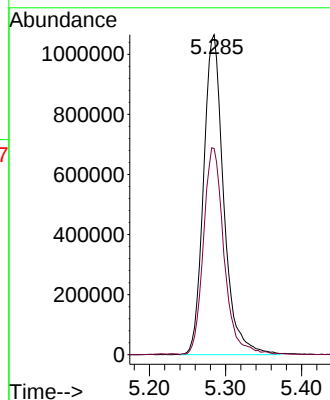
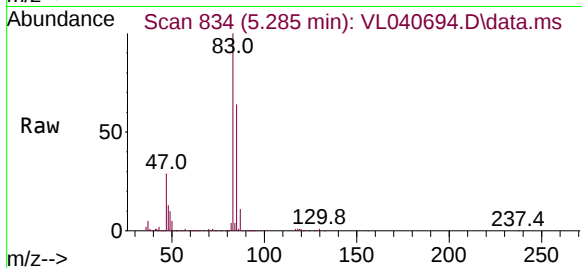
ClientSampleId :

Tgt Ion: 83 Resp: 1962899

Ion Ratio Lower Upper

83 100

85 64.3 51.8 77.8



#30

Cyclohexane

Concen: 10.132 ppbv

RT: 6.610 min Scan# 1246

Delta R.T. 0.000 min

Lab File: VL040694.D

Acq: 18 Sep 2023 11:14

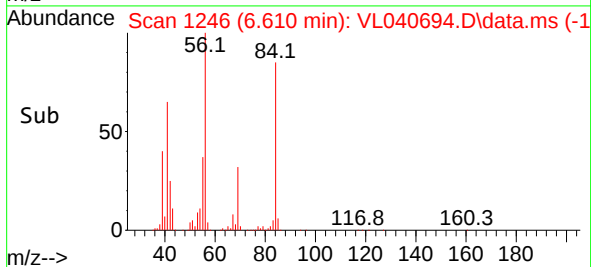
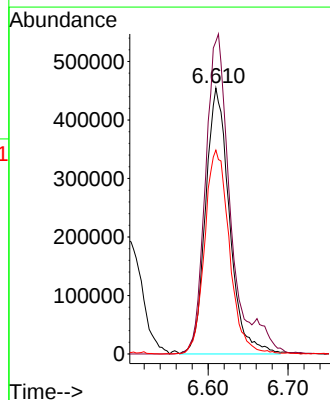
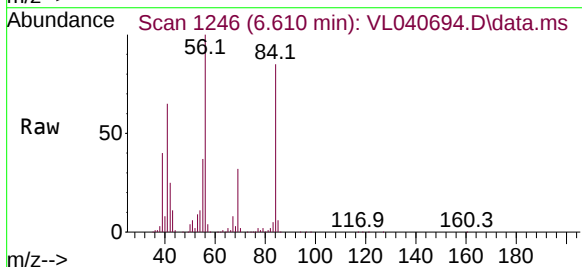
Tgt Ion: 84 Resp: 941781

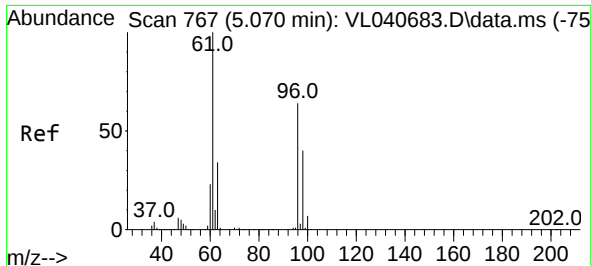
Ion Ratio Lower Upper

84 100

56 127.6 103.2 154.8

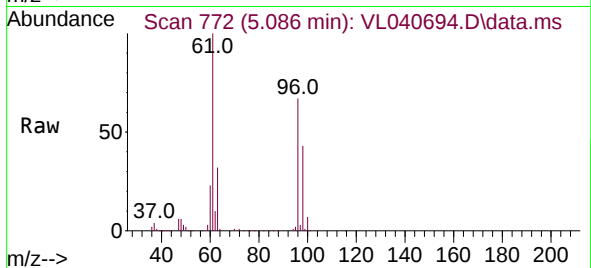
41 79.5 65.5 98.3





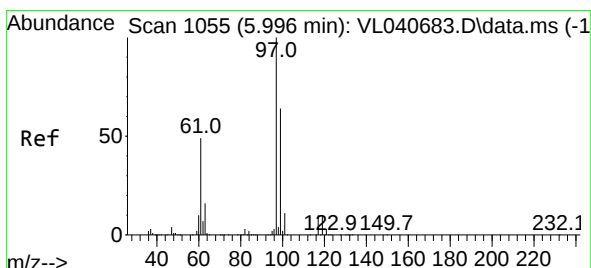
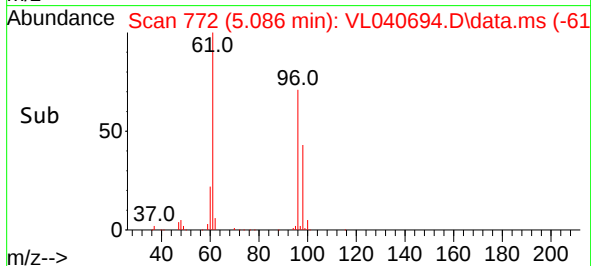
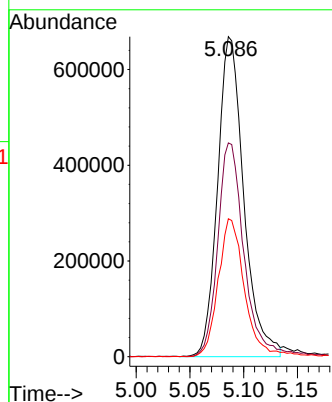
#31
 cis-1,2-Dichloroethene
 Concen: 9.890 ppbv
 RT: 5.086 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VL040694.D
 Acq: 18 Sep 2023 11:14

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion: 61 Resp: 1132605

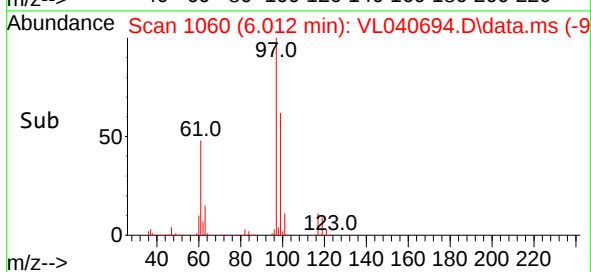
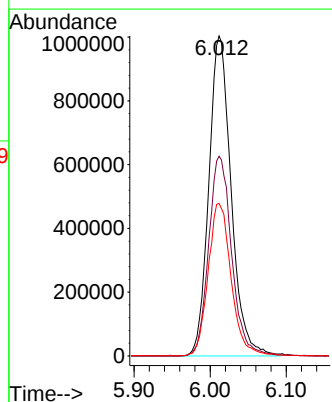
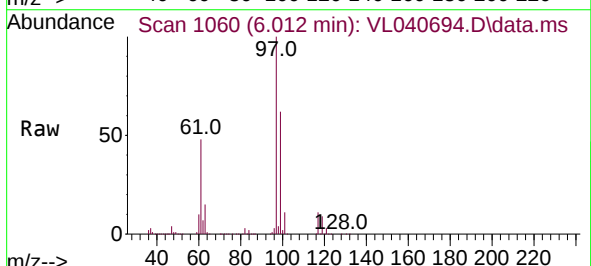
Ion	Ratio	Lower	Upper
61	100		
96	66.7	51.2	76.8
98	43.1	32.3	48.5

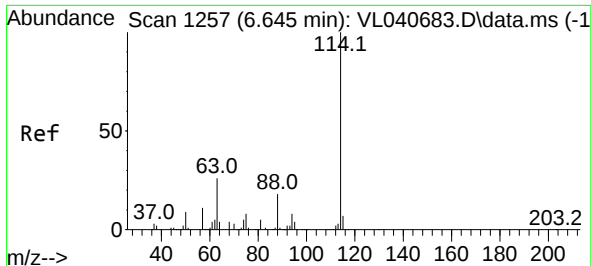


#32
 1,1,1-Trichloroethane
 Concen: 9.399 ppbv
 RT: 6.012 min Scan# 1060
 Delta R.T. 0.000 min
 Lab File: VL040694.D
 Acq: 18 Sep 2023 11:14

Tgt Ion: 97 Resp: 2047943

Ion	Ratio	Lower	Upper
97	100		
99	64.5	52.4	78.6
61	49.6	40.2	60.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.664 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL040694.D

Acq: 18 Sep 2023 11:14

Instrument :

MSVOA_L

ClientSampleId :

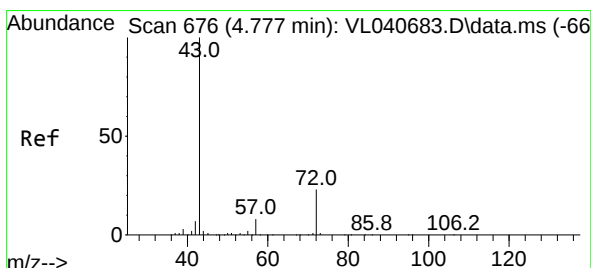
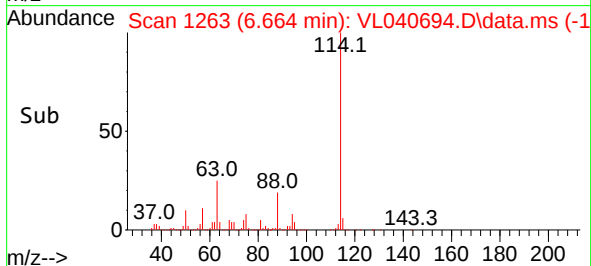
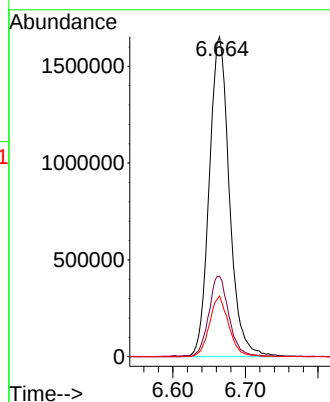
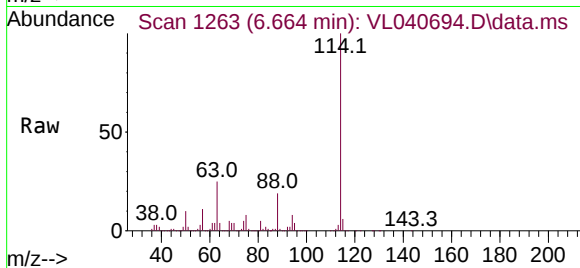
Tgt Ion:114 Resp: 3183725

Ion Ratio Lower Upper

114 100

63 25.8 21.1 31.7

88 18.3 14.5 21.7



#34

2-Butanone

Concen: 9.302 ppbv

RT: 4.793 min Scan# 681

Delta R.T. 0.003 min

Lab File: VL040694.D

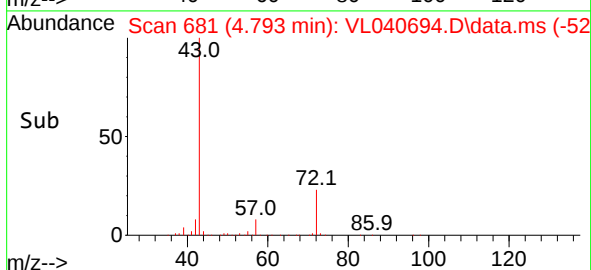
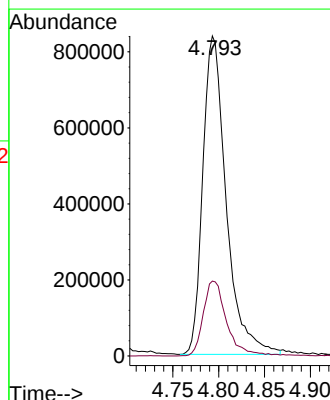
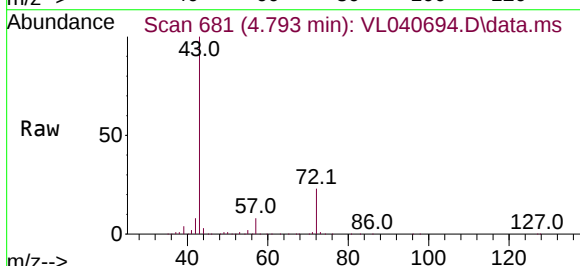
Acq: 18 Sep 2023 11:14

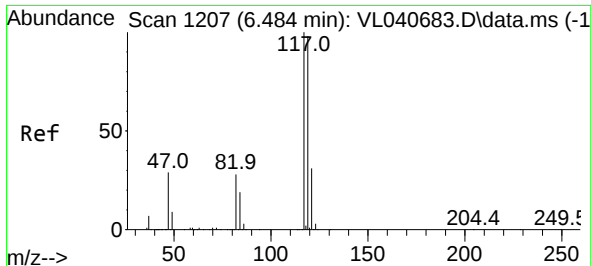
Tgt Ion: 43 Resp: 1489418

Ion Ratio Lower Upper

43 100

72 23.7 18.6 27.8

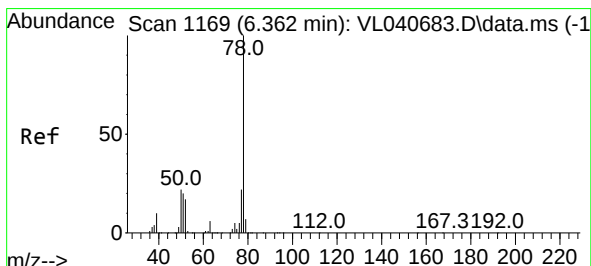
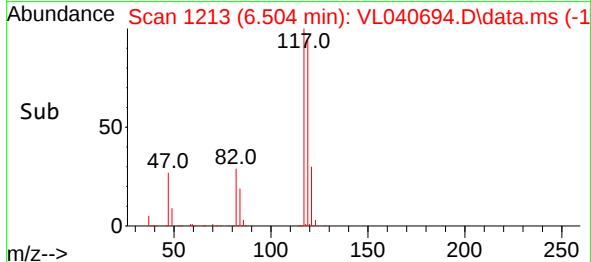
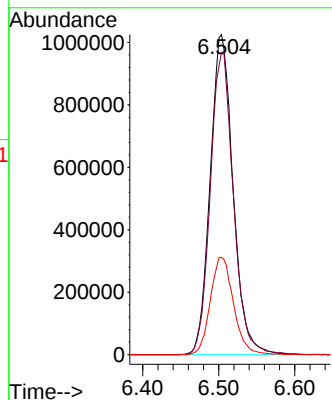
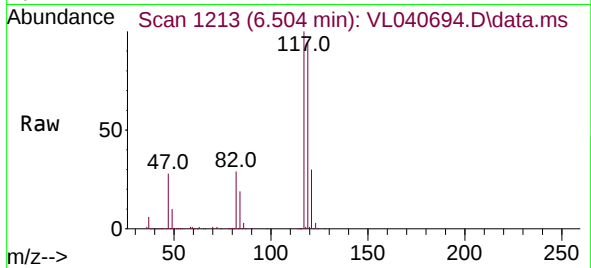




#35
Carbon Tetrachloride
Concen: 9.807 ppbv
RT: 6.504 min Scan# 1175
Delta R.T. 0.000 min
Lab File: VL040694.D
Acq: 18 Sep 2023 11:14

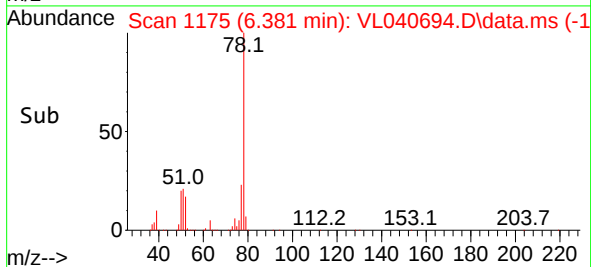
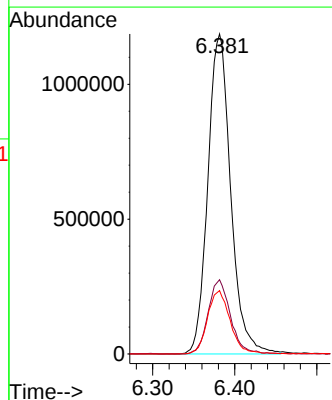
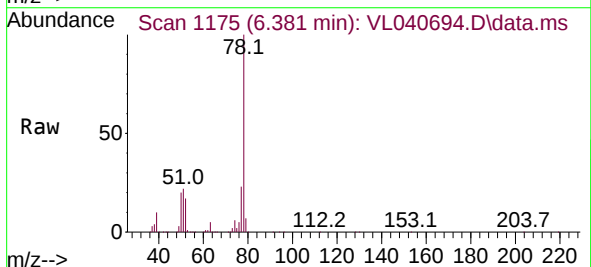
Instrument :
MSVOA_L
ClientSampleId :

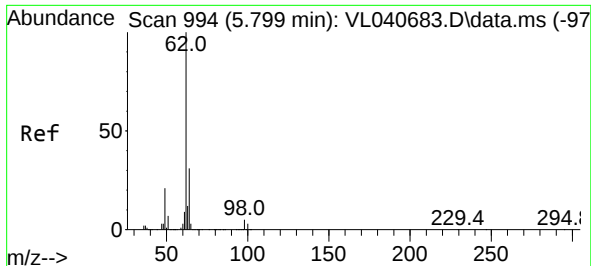
Tgt Ion:117 Resp: 2143870
Ion Ratio Lower Upper
117 100
119 94.5 78.6 117.8
121 30.4 24.7 37.1



#36
Benzene
Concen: 9.742 ppbv
RT: 6.381 min Scan# 1175
Delta R.T. 0.000 min
Lab File: VL040694.D
Acq: 18 Sep 2023 11:14

Tgt Ion: 78 Resp: 2296711
Ion Ratio Lower Upper
78 100
77 23.2 17.9 26.9
50 19.8 17.3 25.9





#37

1,2-Dichloroethane

Concen: 9.474 ppbv

RT: 5.816 min Scan# 994

Delta R.T. 0.000 min

Lab File: VL040694.D

Acq: 18 Sep 2023 11:14

Instrument :

MSVOA_L

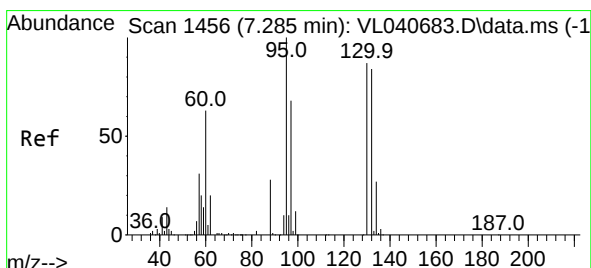
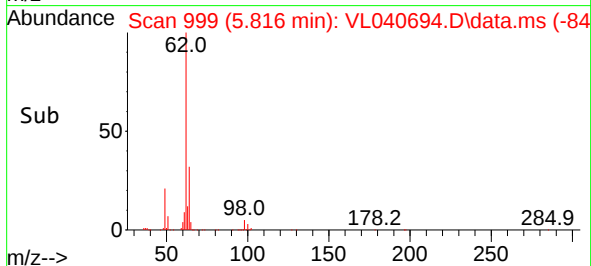
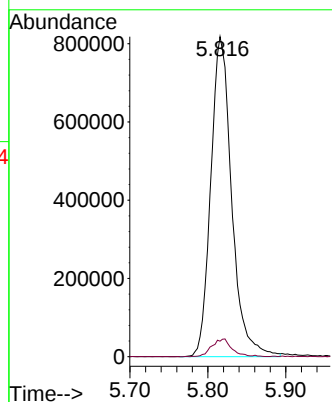
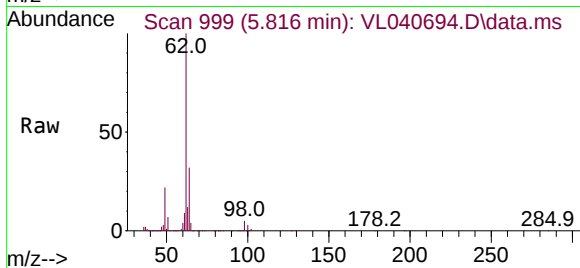
ClientSampleId :

Tgt Ion: 62 Resp: 1528672

Ion Ratio Lower Upper

62 100

98 5.6 4.2 6.4



#38

Trichloroethene

Concen: 10.558 ppbv

RT: 7.301 min Scan# 1461

Delta R.T. 0.000 min

Lab File: VL040694.D

Acq: 18 Sep 2023 11:14

Tgt Ion:130 Resp: 949281

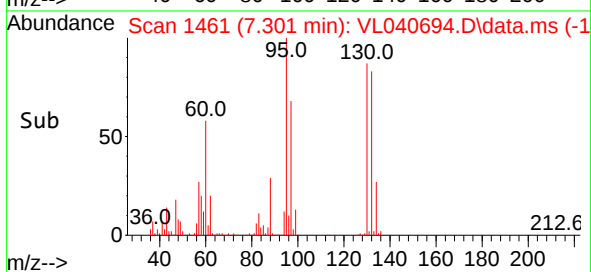
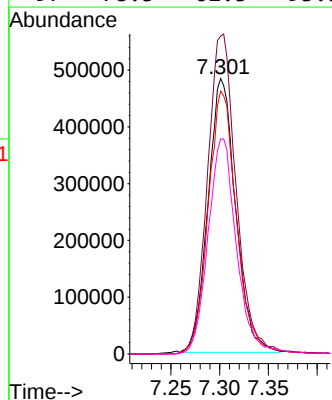
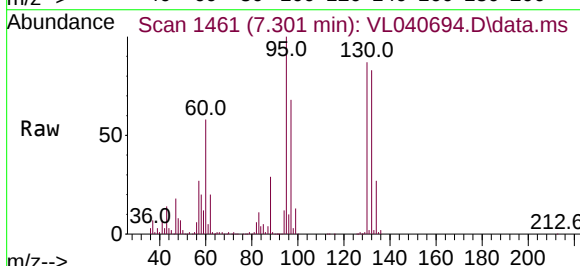
Ion Ratio Lower Upper

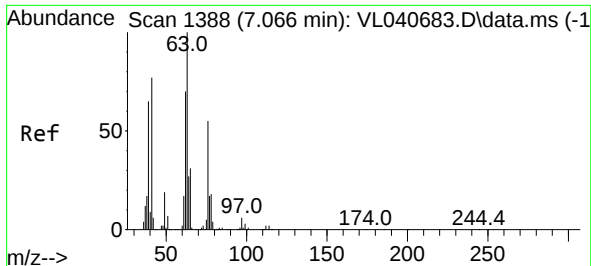
130 100

95 115.7 91.9 137.9

132 95.7 77.3 115.9

97 78.3 62.3 93.5





#39

1,2-Dichloropropane

Concen: 9.558 ppbv

RT: 7.082 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL040694.D

Acq: 18 Sep 2023 11:14

Instrument :

MSVOA_L

ClientSampleId :

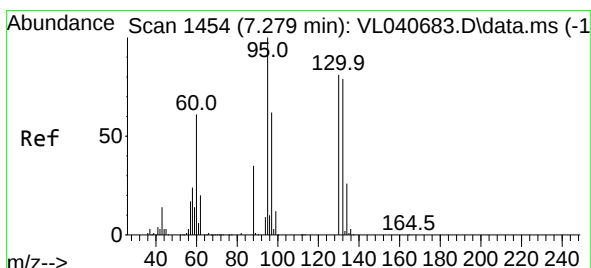
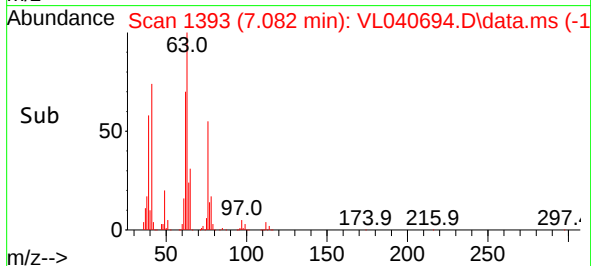
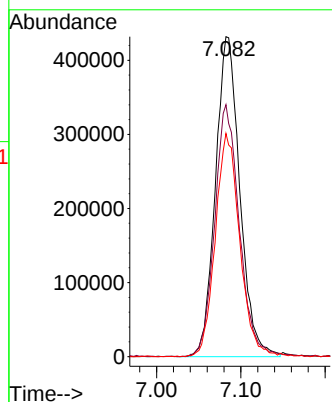
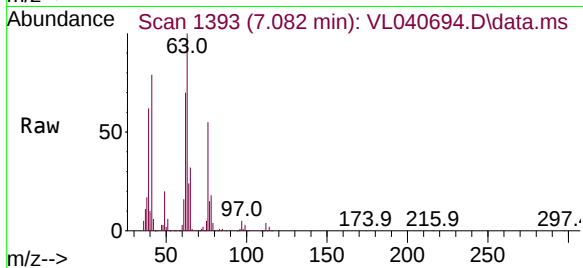
Tgt Ion: 63 Resp: 867391

Ion Ratio Lower Upper

63 100

41 78.7 61.6 92.4

62 69.8 55.8 83.8



#40

1,4-Dioxane

Concen: 11.056 ppbv

RT: 7.295 min Scan# 1459

Delta R.T. 0.000 min

Lab File: VL040694.D

Acq: 18 Sep 2023 11:14

Tgt Ion: 88 Resp: 379280

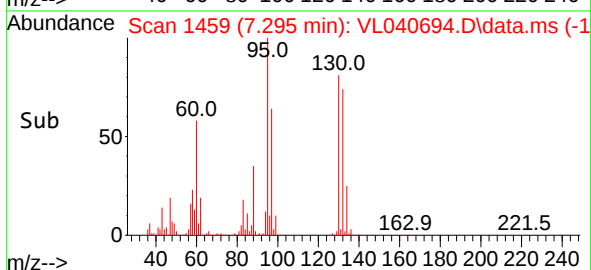
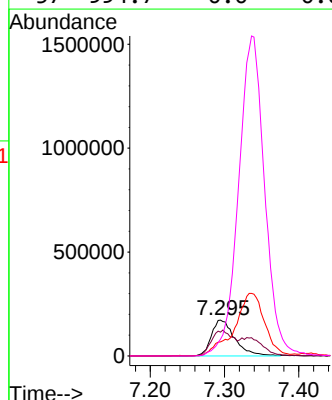
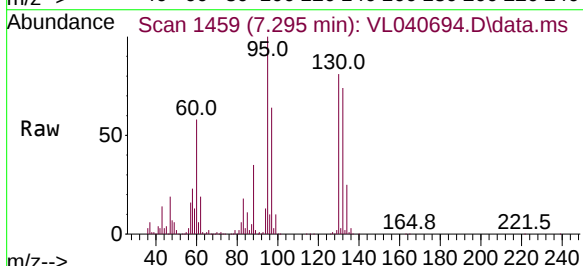
Ion Ratio Lower Upper

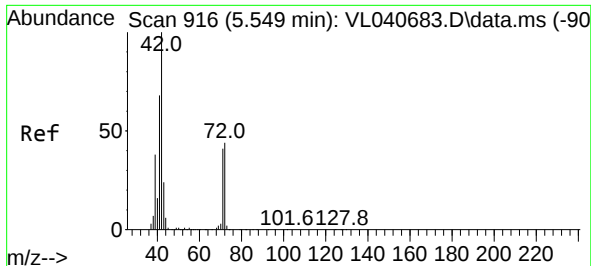
88 100

58 115.9 92.7 139.1

43 223.1 0.0 0.0#

57 994.7 0.0 0.0#





#41

Tetrahydrofuran

Concen: 9.900 ppbv

RT: 5.565 min Scan# 916

Delta R.T. 0.003 min

Lab File: VL040694.D

Acq: 18 Sep 2023 11:14

Instrument :

MSVOA_L

ClientSampleId :

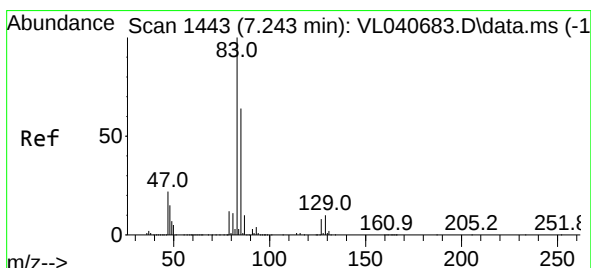
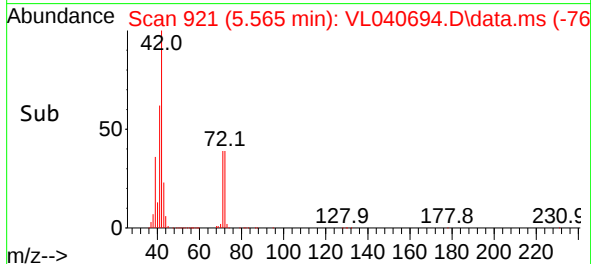
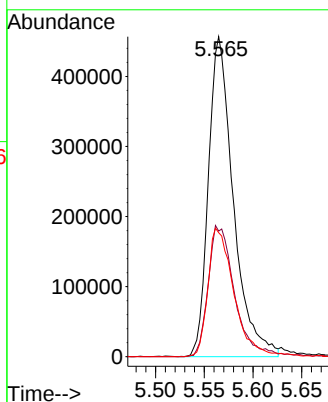
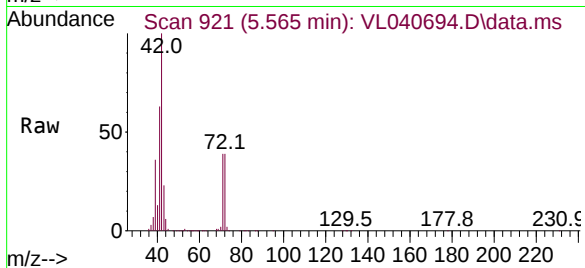
Tgt Ion: 42 Resp: 812783

Ion Ratio Lower Upper

42 100

72 43.9 34.9 52.3

71 42.1 33.8 50.8



#42

Bromodichloromethane

Concen: 9.797 ppbv

RT: 7.259 min Scan# 1448

Delta R.T. 0.000 min

Lab File: VL040694.D

Acq: 18 Sep 2023 11:14

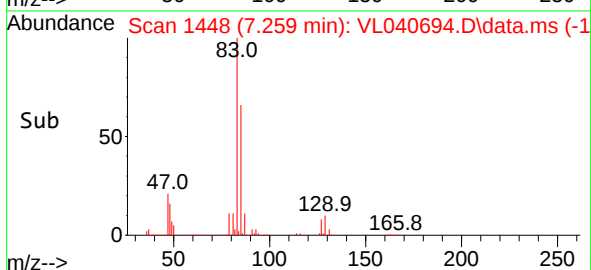
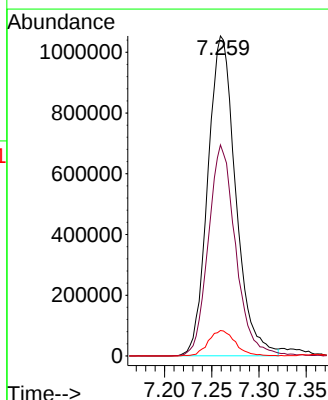
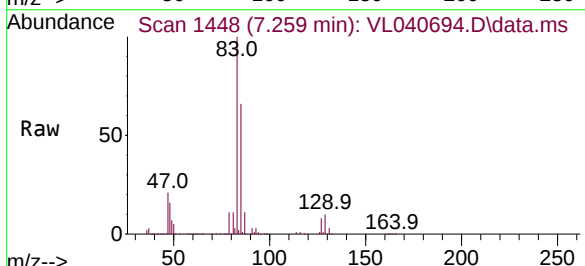
Tgt Ion: 83 Resp: 2156880

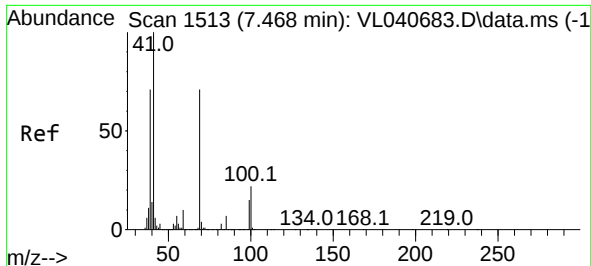
Ion Ratio Lower Upper

83 100

85 65.9 51.2 76.8

127 7.9 6.2 9.4

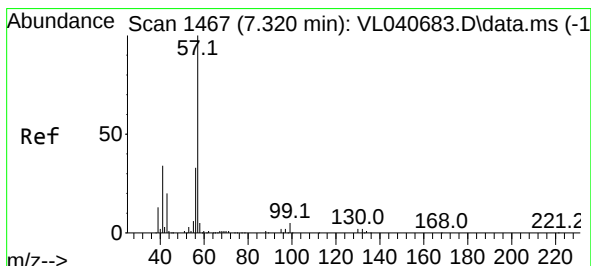
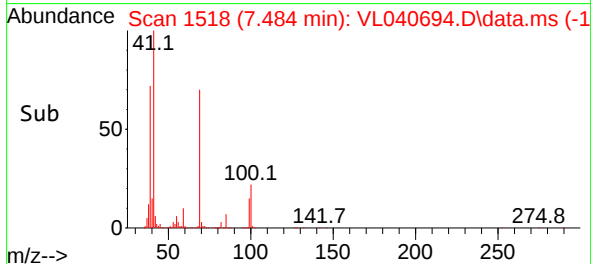
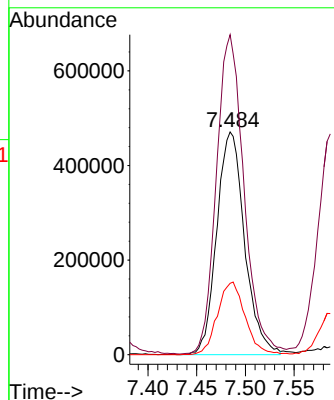
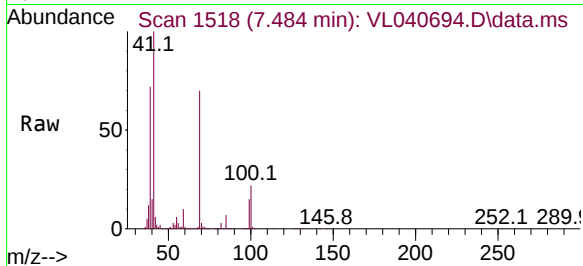




#43
Methyl Methacrylate
Concen: 10.677 ppbv
RT: 7.484 min Scan# 1518
Delta R.T. 0.003 min
Lab File: VL040694.D
Acq: 18 Sep 2023 11:14

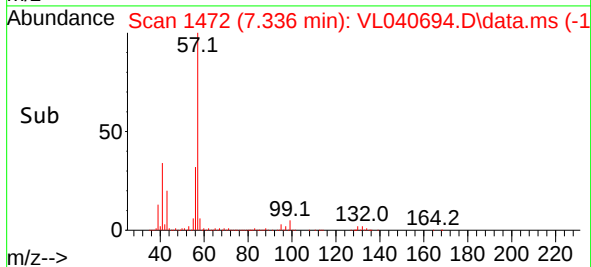
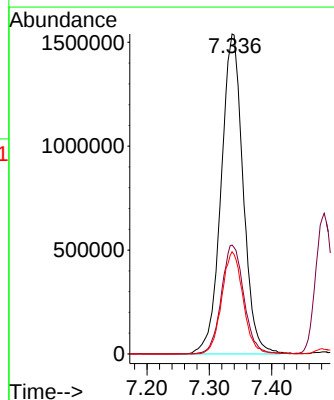
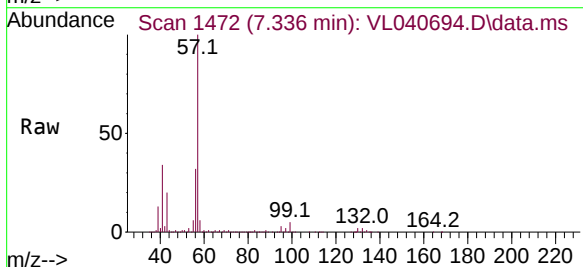
Instrument :
MSVOA_L
ClientSampleId :

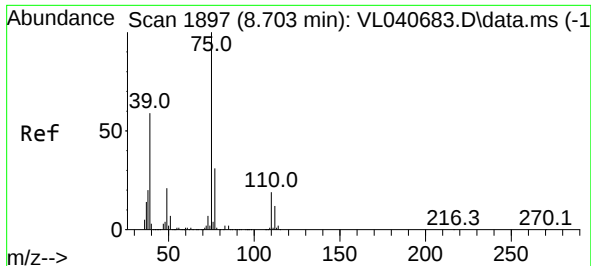
Tgt Ion: 69 Resp: 935639
Ion Ratio Lower Upper
69 100
41 143.0 113.8 170.8
100 32.5 25.4 38.0



#44
2,2,4-Trimethylpentane
Concen: 10.030 ppbv
RT: 7.336 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VL040694.D
Acq: 18 Sep 2023 11:14

Tgt Ion: 57 Resp: 3765114
Ion Ratio Lower Upper
57 100
41 34.8 28.5 42.7
56 31.1 25.4 38.2

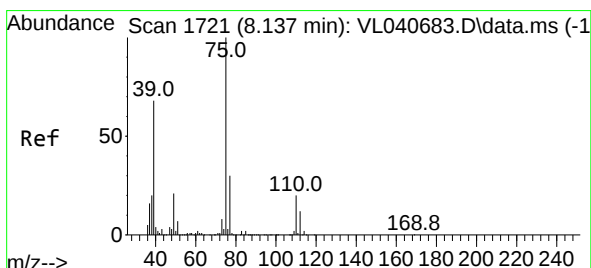
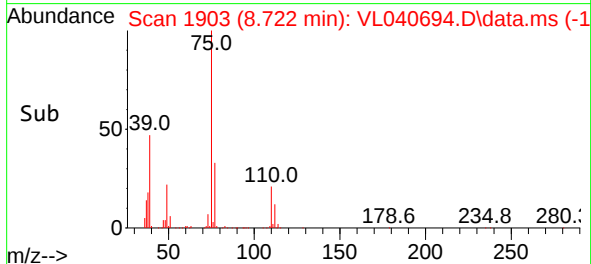
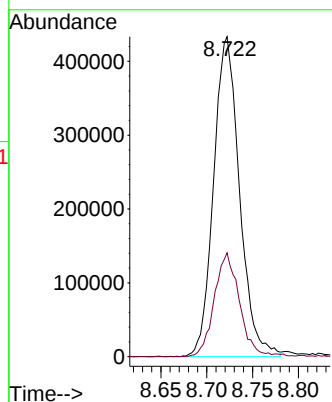
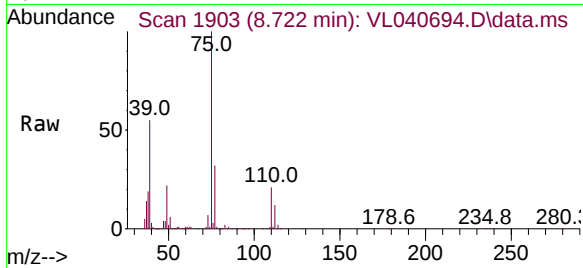




#45
t-1,3-Dichloropropene
Concen: 12.550 ppbv
RT: 8.722 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VL040694.D
Acq: 18 Sep 2023 11:14

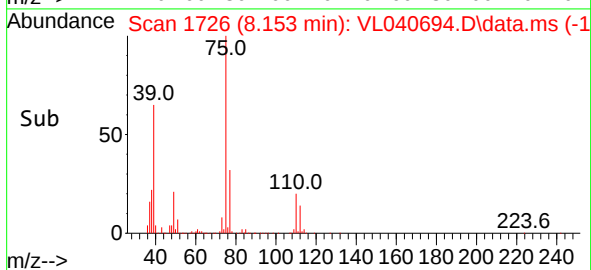
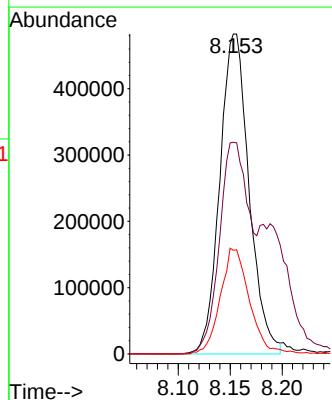
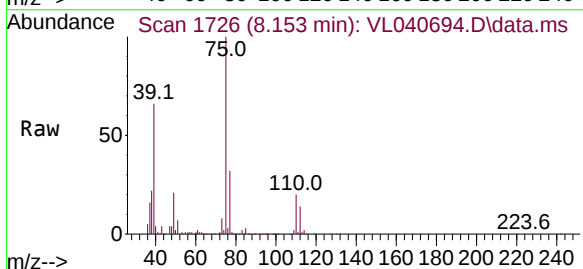
Instrument :
MSVOA_L
ClientSampleId :

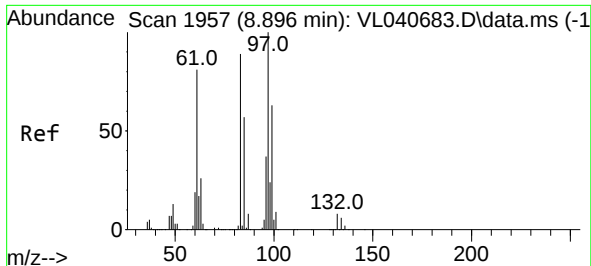
Tgt Ion: 75 Resp: 852787
Ion Ratio Lower Upper
75 100
77 32.4 24.5 36.7



#46
cis-1,3-Dichloropropene
Concen: 11.385 ppbv
RT: 8.153 min Scan# 1726
Delta R.T. 0.003 min
Lab File: VL040694.D
Acq: 18 Sep 2023 11:14

Tgt Ion: 75 Resp: 946551
Ion Ratio Lower Upper
75 100
39 66.0 54.0 81.0
77 32.4 23.6 35.4





#47

1,1,2-Trichloroethane

Concen: 9.612 ppbv

RT: 8.909 min Scan# 1957

Delta R.T. 0.000 min

Lab File: VL040694.D

Acq: 18 Sep 2023 11:14

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 97 Resp: 1000988

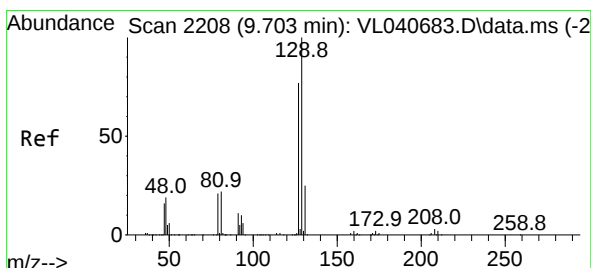
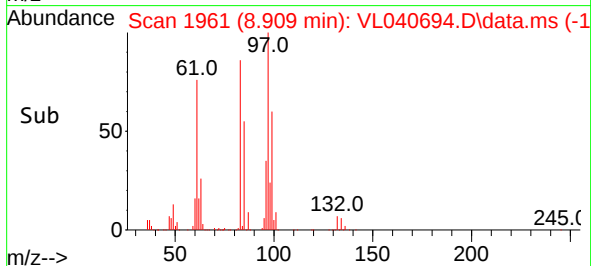
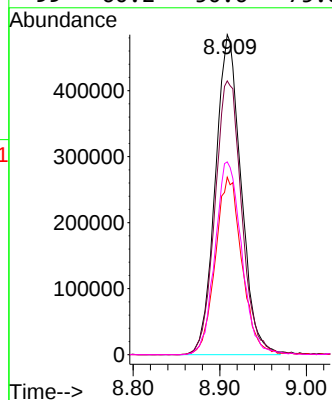
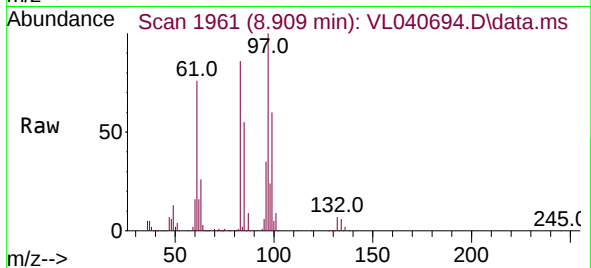
Ion Ratio Lower Upper

97 100

83 85.5 70.8 106.2

85 55.4 45.7 68.5

99 60.2 50.6 75.8



#48

Dibromochloromethane

Concen: 10.416 ppbv

RT: 9.719 min Scan# 2213

Delta R.T. -0.003 min

Lab File: VL040694.D

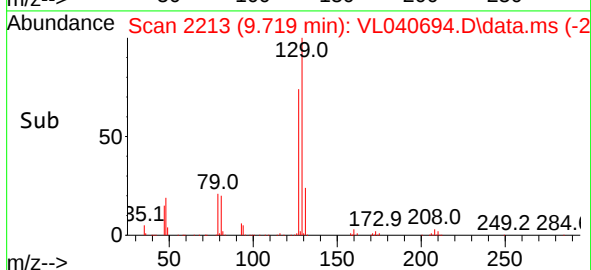
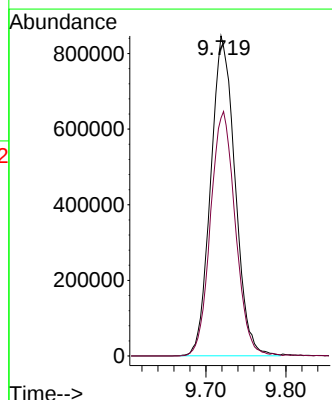
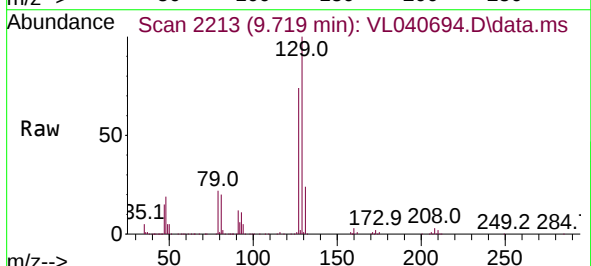
Acq: 18 Sep 2023 11:14

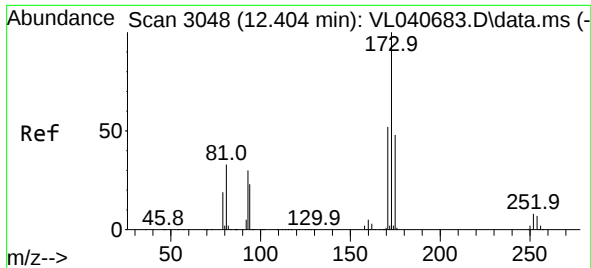
Tgt Ion: 129 Resp: 1789369

Ion Ratio Lower Upper

129 100

127 78.1 39.4 118.2

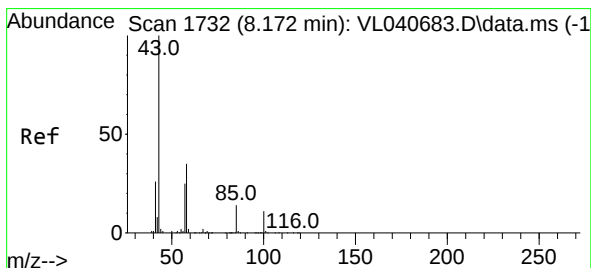
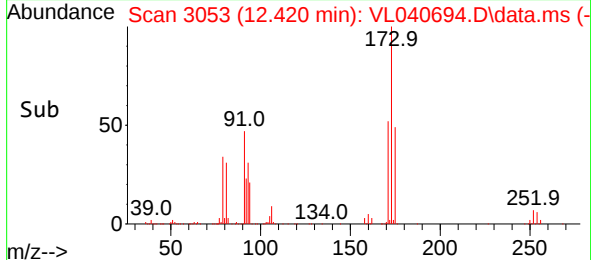
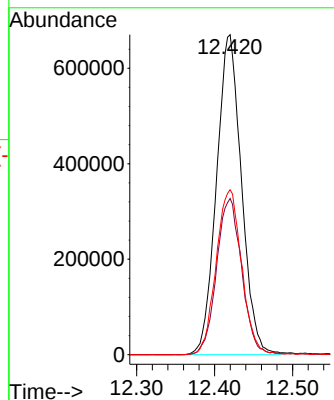
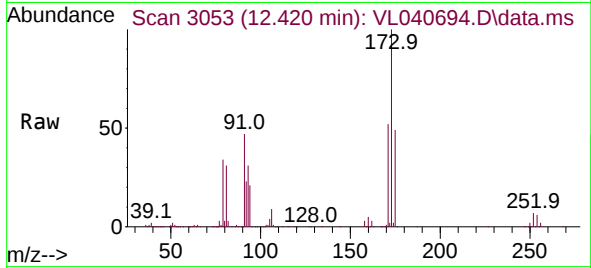




#49
Bromoform
Concen: 10.573 ppbv
RT: 12.420 min Scan# 3048
Delta R.T. 0.000 min
Lab File: VL040694.D
Acq: 18 Sep 2023 11:14

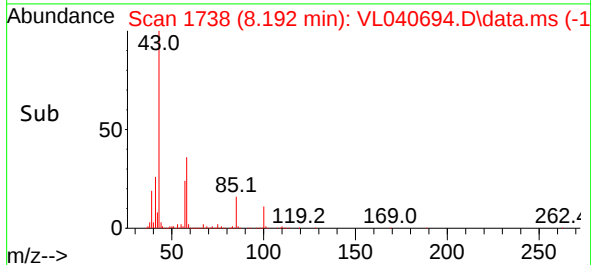
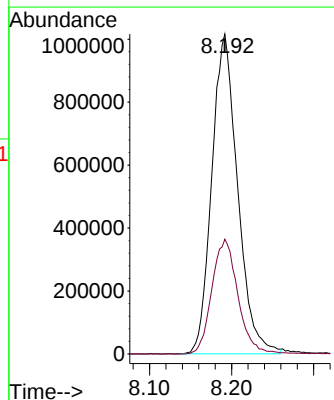
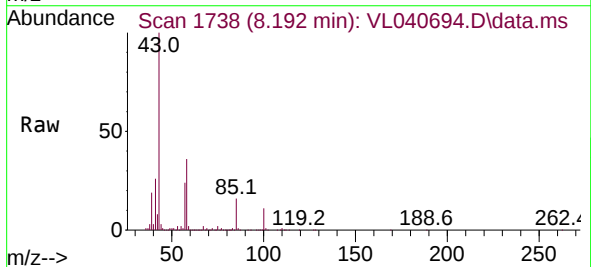
Instrument :
MSVOA_L
ClientSampleId :

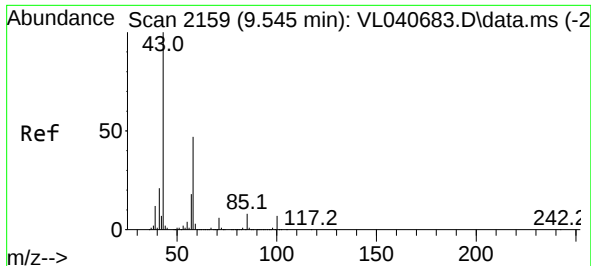
Tgt Ion:173 Resp: 1491817
Ion Ratio Lower Upper
173 100
175 49.7 38.8 58.2
171 52.8 42.2 63.2



#50
4-Methyl-2-Pentanone
Concen: 10.261 ppbv
RT: 8.192 min Scan# 1738
Delta R.T. 0.000 min
Lab File: VL040694.D
Acq: 18 Sep 2023 11:14

Tgt Ion: 43 Resp: 2220126
Ion Ratio Lower Upper
43 100
58 36.4 28.2 42.4

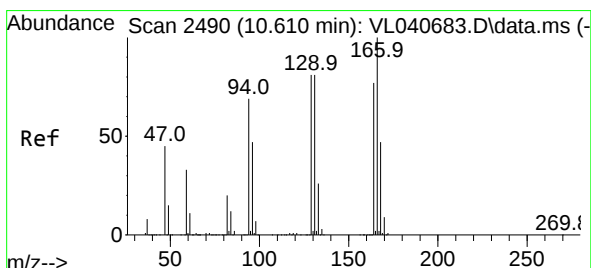
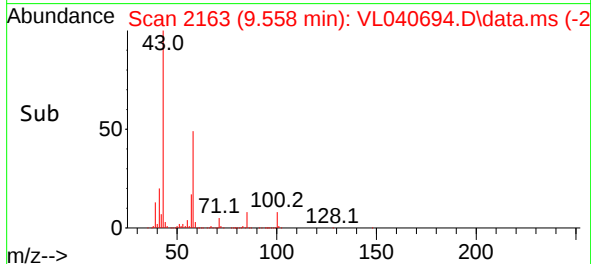
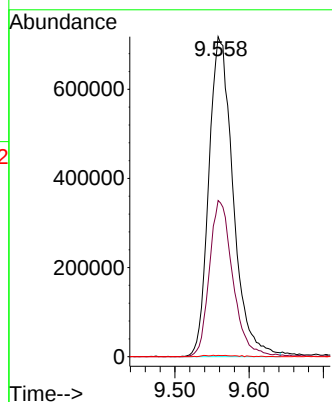
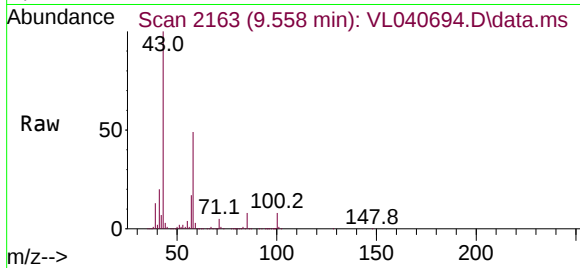




#51
2-Hexanone
Concen: 10.906 ppbv
RT: 9.558 min Scan# 2159
Delta R.T. 0.003 min
Lab File: VL040694.D
Acq: 18 Sep 2023 11:14

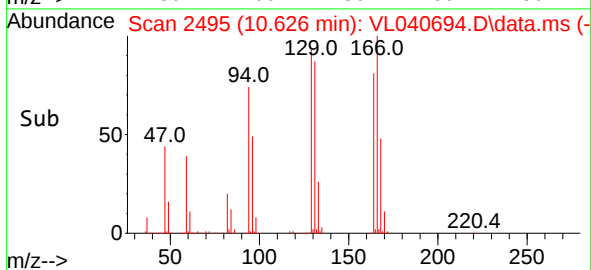
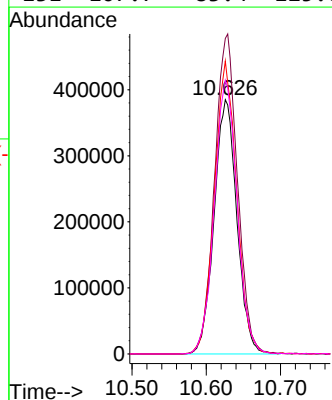
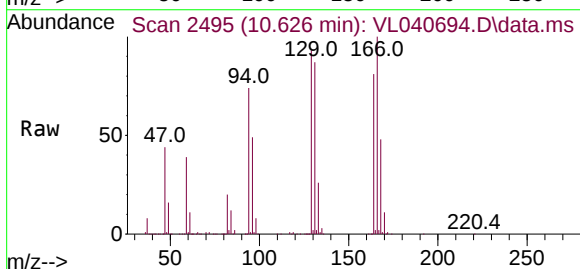
Instrument :
MSVOA_L
ClientSampleId :

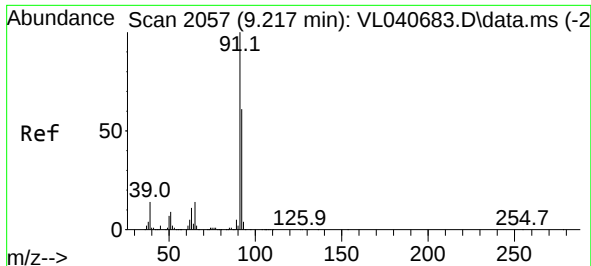
Tgt Ion: 43 Resp: 1628670
Ion Ratio Lower Upper
43 100
58 47.7 37.6 56.4
98 0.6 0.6 1.0#



#52
Tetrachloroethene
Concen: 10.694 ppbv
RT: 10.626 min Scan# 2495
Delta R.T. 0.000 min
Lab File: VL040694.D
Acq: 18 Sep 2023 11:14

Tgt Ion: 164 Resp: 822386
Ion Ratio Lower Upper
164 100
166 124.1 103.4 155.2
129 115.2 83.5 125.3
131 107.7 83.4 125.0

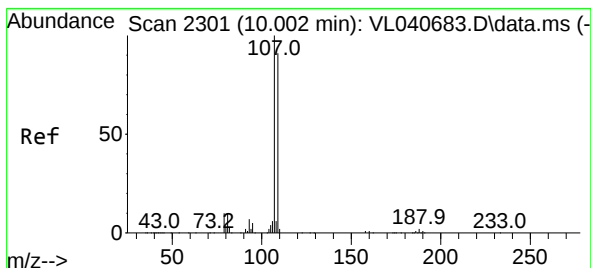
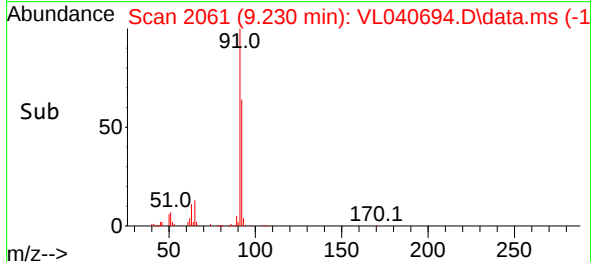
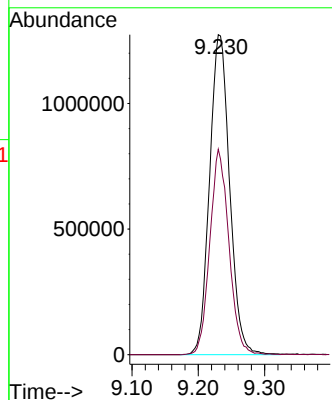
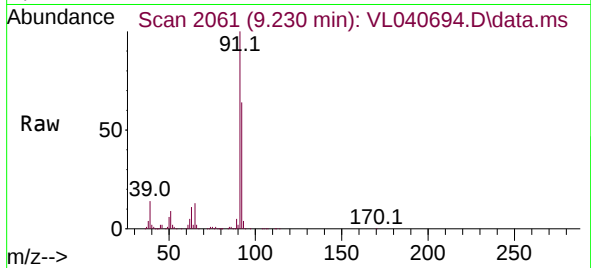




#53
Toluene
Concen: 10.746 ppbv
RT: 9.230 min Scan# 2057
Delta R.T. 0.000 min
Lab File: VL040694.D
Acq: 18 Sep 2023 11:14

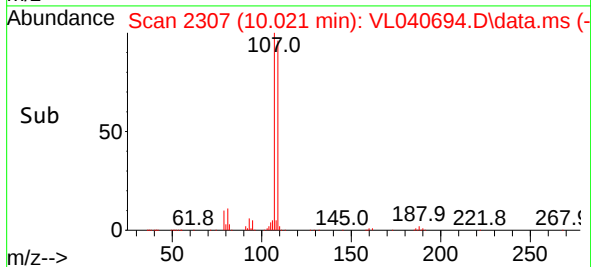
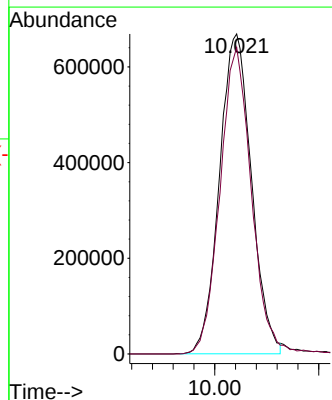
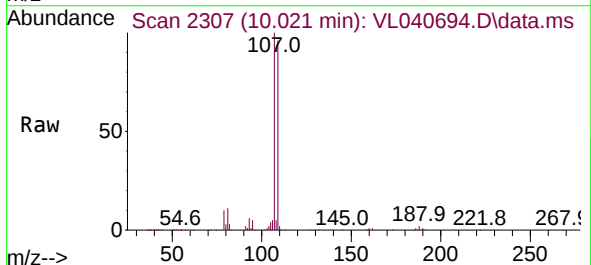
Instrument :
MSVOA_L
ClientSampleId :

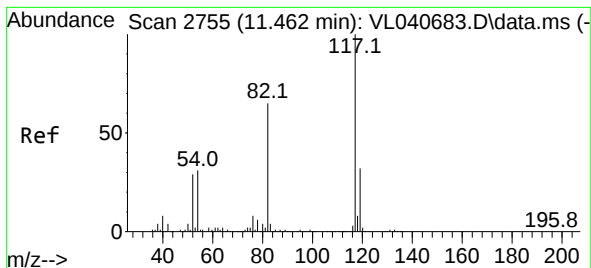
Tgt Ion: 91 Resp: 2674750
Ion Ratio Lower Upper
91 100
92 61.1 48.5 72.7



#54
1,2-Dibromoethane
Concen: 10.751 ppbv
RT: 10.021 min Scan# 2307
Delta R.T. 0.003 min
Lab File: VL040694.D
Acq: 18 Sep 2023 11:14

Tgt Ion: 107 Resp: 1429076
Ion Ratio Lower Upper
107 100
109 95.7 72.4 108.6

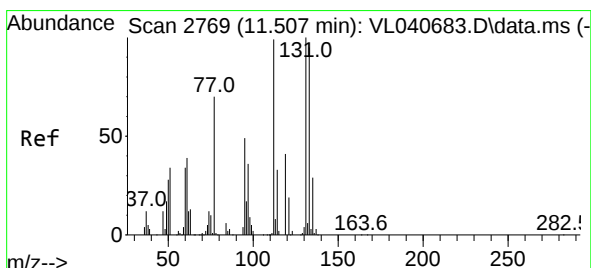
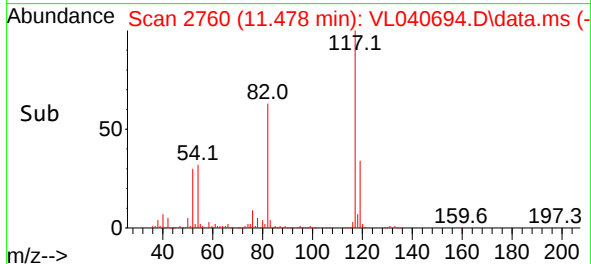
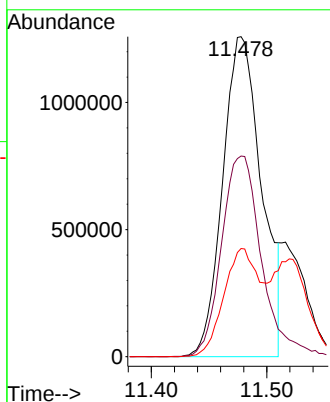
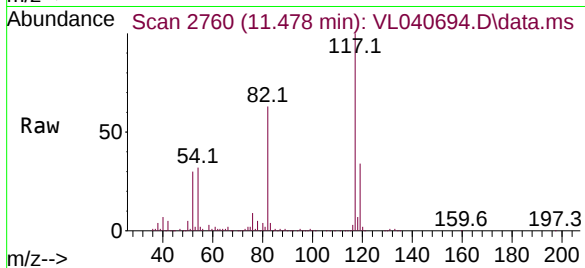




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.478 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL040694.D
Acq: 18 Sep 2023 11:14

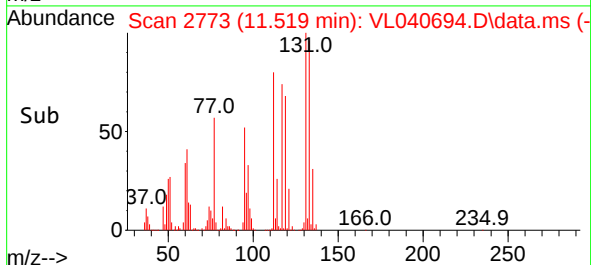
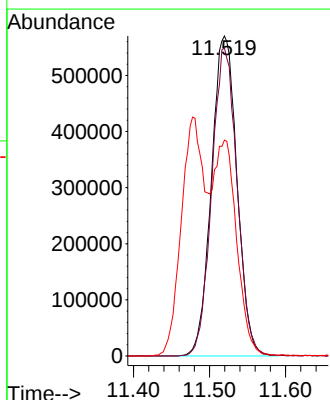
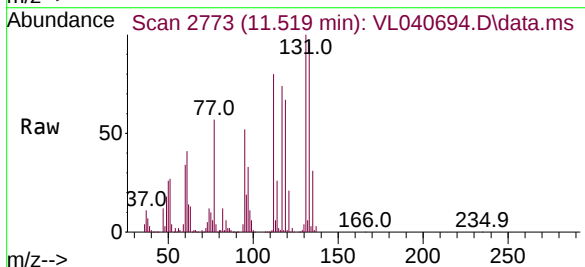
Instrument :
MSVOA_L
ClientSampleId :

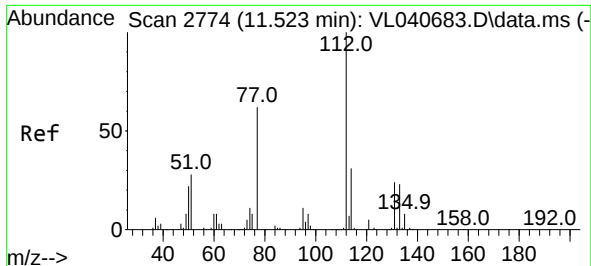
Tgt Ion:117 Resp: 2947953
Ion Ratio Lower Upper
117 100
82 64.8 51.4 77.0
119 28.2 24.7 37.1



#56
1,1,1,2-Tetrachloroethane
Concen: 9.473 ppbv
RT: 11.519 min Scan# 2773
Delta R.T. 0.000 min
Lab File: VL040694.D
Acq: 18 Sep 2023 11:14

Tgt Ion:131 Resp: 1331115
Ion Ratio Lower Upper
131 100
133 95.3 76.2 114.2
119 60.9 45.5 68.3





#57

Chlorobenzene

Concen: 9.511 ppbv

RT: 11.539 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL040694.D

Acq: 18 Sep 2023 11:14

Instrument :

MSVOA_L

ClientSampleId :

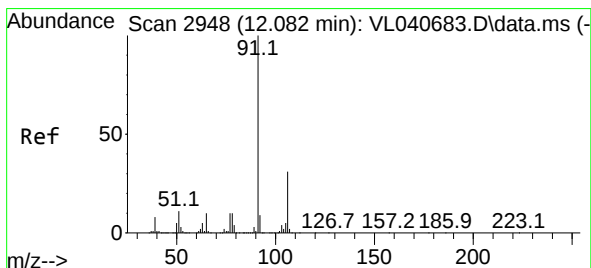
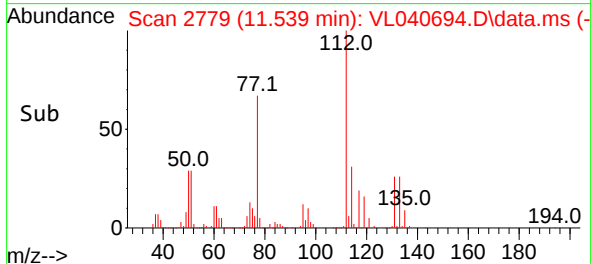
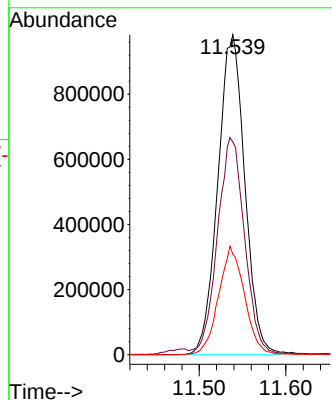
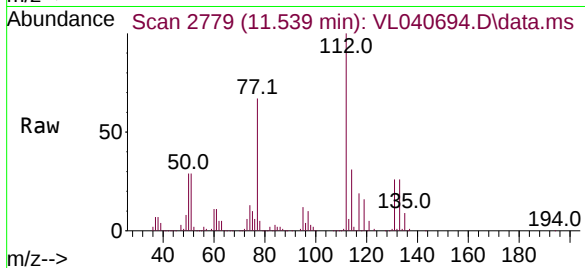
Tgt Ion:112 Resp: 2123245

Ion Ratio Lower Upper

112 100

77 66.0 50.8 76.2

114 31.4 28.2 34.4



#58

Ethyl Benzene

Concen: 10.944 ppbv

RT: 12.101 min Scan# 2954

Delta R.T. 0.000 min

Lab File: VL040694.D

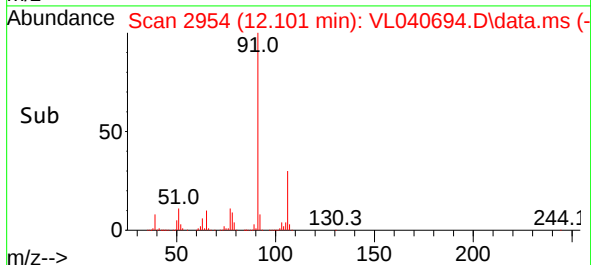
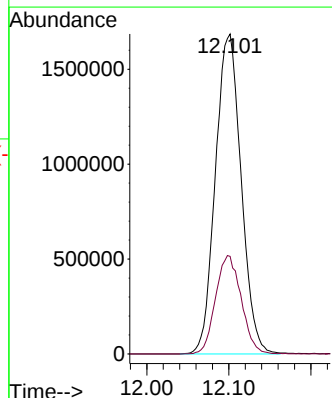
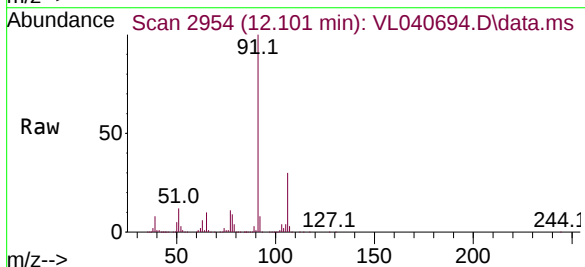
Acq: 18 Sep 2023 11:14

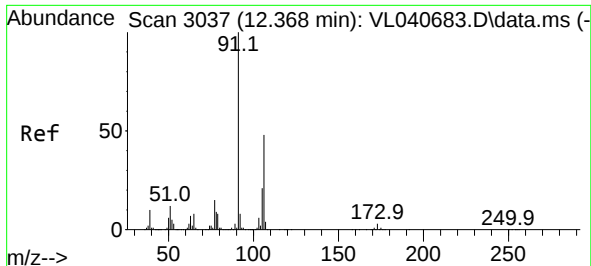
Tgt Ion: 91 Resp: 3678344

Ion Ratio Lower Upper

91 100

106 30.5 24.7 37.1





#59

m/p-Xylene

Concen: 10.352 ppbv

RT: 12.381 min Scan# 3037

Delta R.T. 0.000 min

Lab File: VL040694.D

Acq: 18 Sep 2023 11:14

Instrument :

MSVOA_L

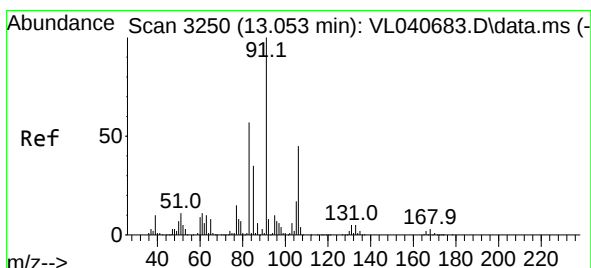
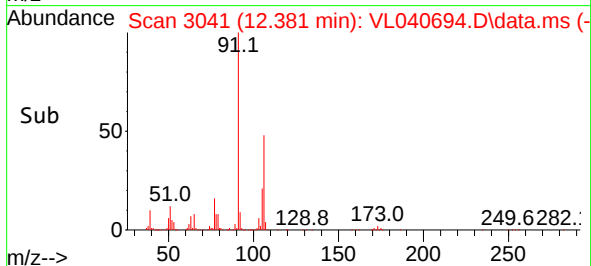
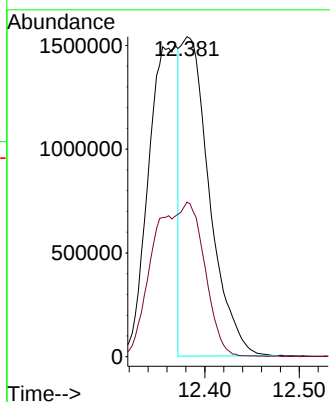
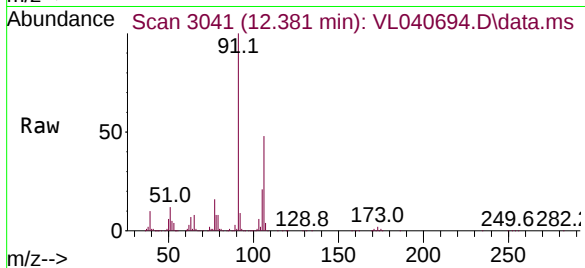
ClientSampleId :

Tgt Ion: 91 Resp: 3267050

Ion Ratio Lower Upper

91 100

106 86.2 34.8 52.2#



#60

o-Xylene

Concen: 10.396 ppbv

RT: 13.069 min Scan# 3255

Delta R.T. 0.000 min

Lab File: VL040694.D

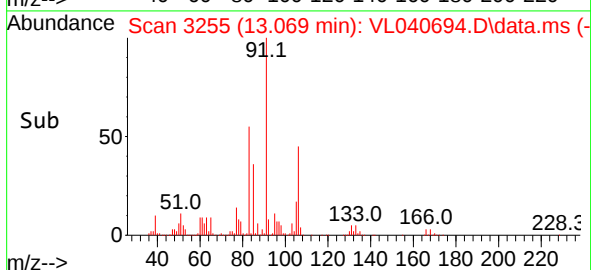
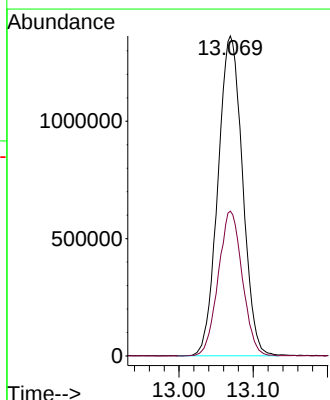
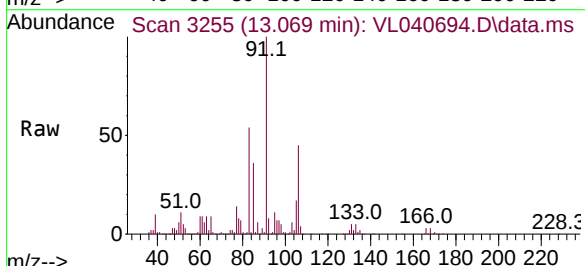
Acq: 18 Sep 2023 11:14

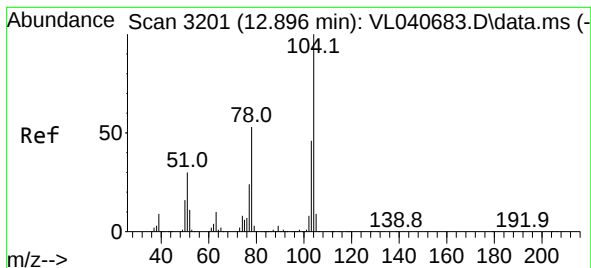
Tgt Ion: 91 Resp: 3128963

Ion Ratio Lower Upper

91 100

106 44.6 22.3 66.9





#61

Styrene

Concen: 12.080 ppbv

RT: 12.905 min Scan# 31

Delta R.T. 0.000 min

Lab File: VL040694.D

Acq: 18 Sep 2023 11:14

Instrument :

MSVOA_L

ClientSampleId :

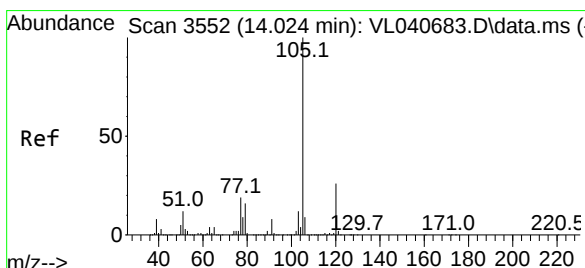
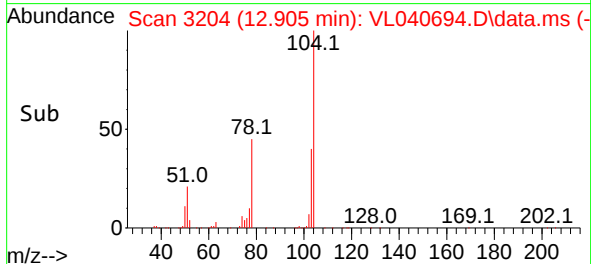
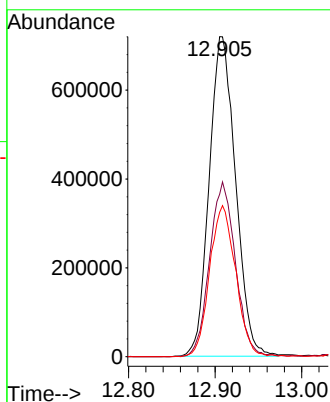
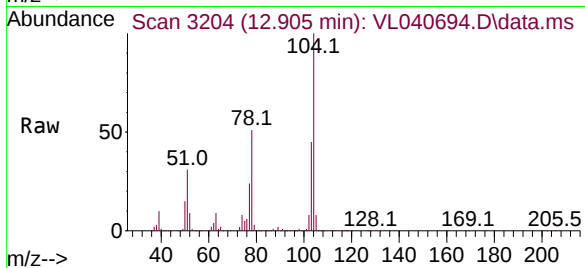
Tgt Ion:104 Resp: 1523797

Ion Ratio Lower Upper

104 100

78 53.8 43.4 65.0

103 46.9 37.2 55.8



#62

Isopropylbenzene

Concen: 9.997 ppbv

RT: 14.040 min Scan# 3557

Delta R.T. 0.003 min

Lab File: VL040694.D

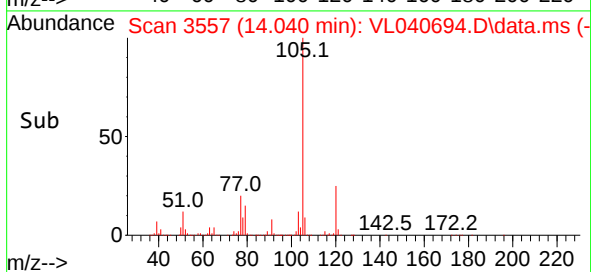
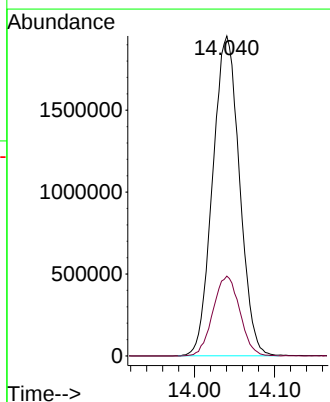
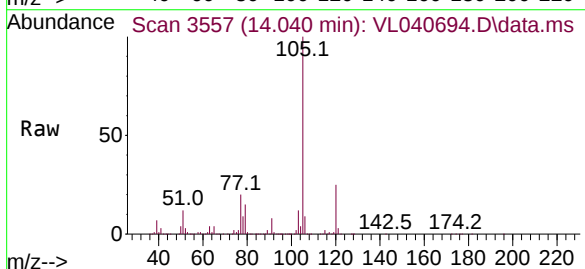
Acq: 18 Sep 2023 11:14

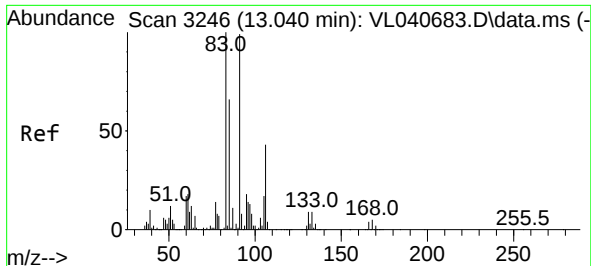
Tgt Ion:105 Resp: 4542947

Ion Ratio Lower Upper

105 100

120 24.9 20.2 30.4

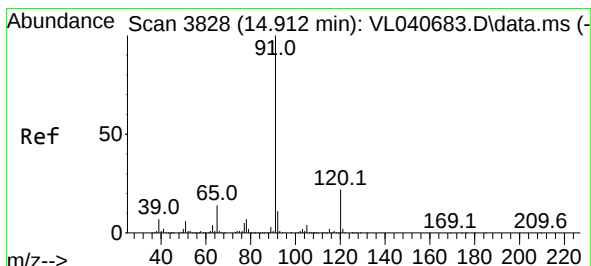
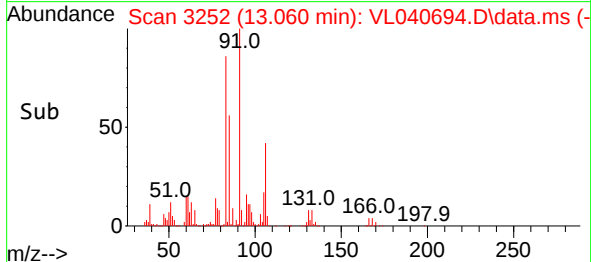
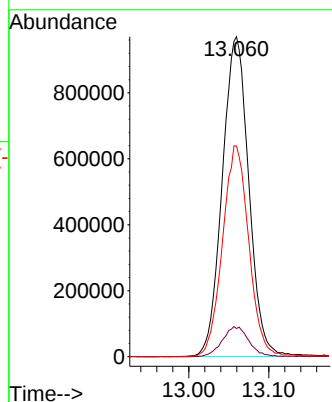
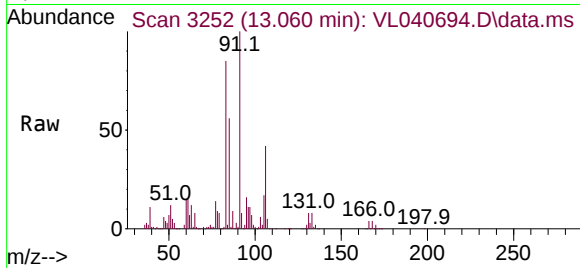




#63
1,1,2,2-Tetrachloroethane
Concen: 9.442 ppbv
RT: 13.060 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL040694.D
Acq: 18 Sep 2023 11:14

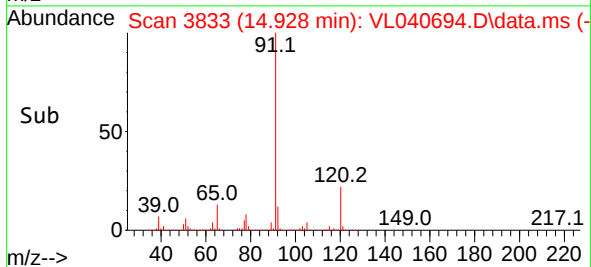
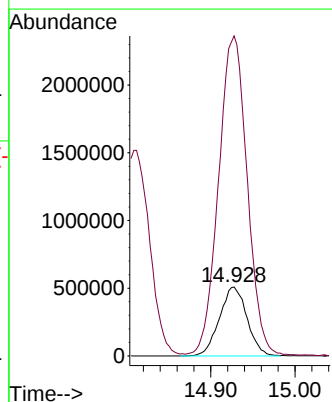
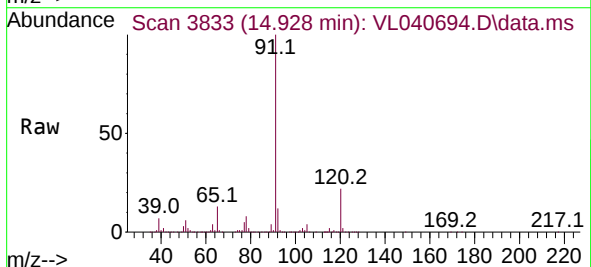
Instrument :
MSVOA_L
ClientSampleId :

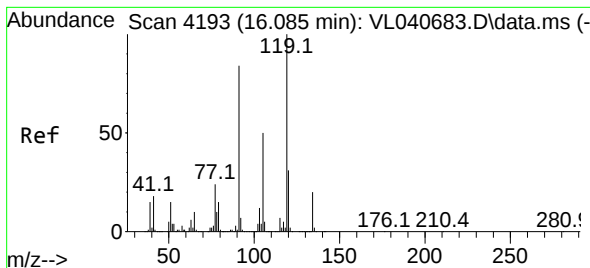
Tgt Ion: 83 Resp: 2227419
Ion Ratio Lower Upper
83 100
131 9.5 4.7 14.1
85 65.9 33.1 99.3



#64
n-propylbenzene
Concen: 10.187 ppbv
RT: 14.928 min Scan# 3833
Delta R.T. 0.003 min
Lab File: VL040694.D
Acq: 18 Sep 2023 11:14

Tgt Ion:120 Resp: 1157469
Ion Ratio Lower Upper
120 100
91 484.1 386.9 580.3





#65

tert-Butylbenzene

Concen: 9.954 ppbv

RT: 16.101 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL040694.D

Acq: 18 Sep 2023 11:14

Instrument :

MSVOA_L

ClientSampleId :

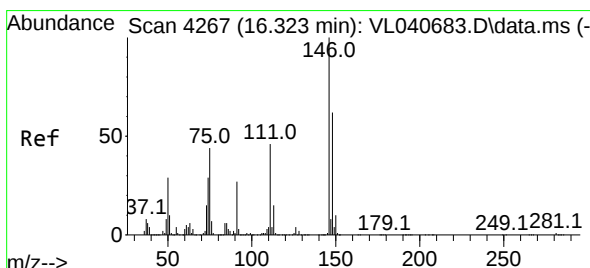
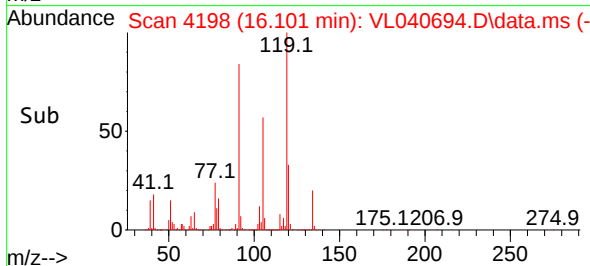
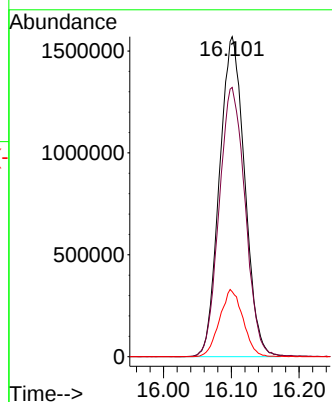
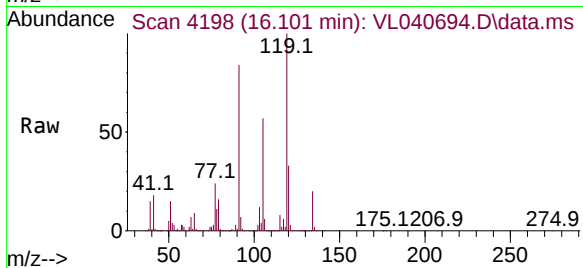
Tgt Ion:119 Resp: 4059947

Ion Ratio Lower Upper

119 100

91 86.7 69.8 104.8

134 19.5 15.4 23.2



#66

Benzyl Chloride

Concen: 11.310 ppbv

RT: 16.336 min Scan# 4271

Delta R.T. 0.000 min

Lab File: VL040694.D

Acq: 18 Sep 2023 11:14

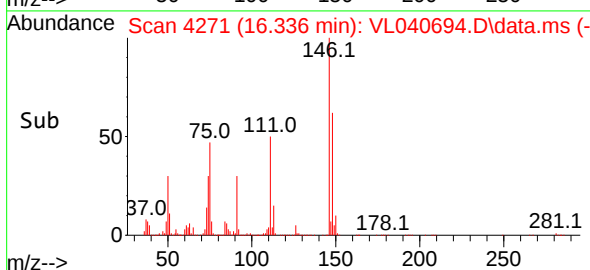
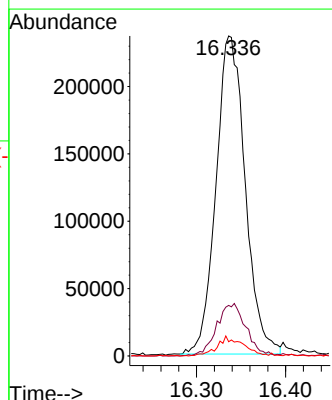
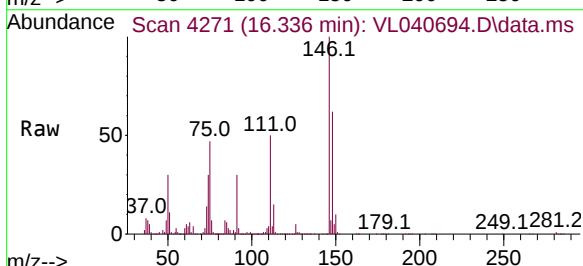
Tgt Ion: 91 Resp: 538360

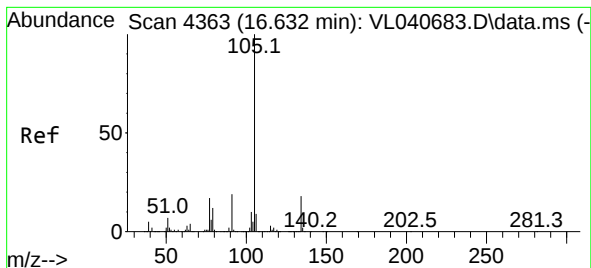
Ion Ratio Lower Upper

91 100

126 16.5 13.6 20.4

128 5.7 4.4 6.6





#67

sec-Butylbenzene

Concen: 9.744 ppbv

RT: 16.648 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL040694.D

Acq: 18 Sep 2023 11:14

Instrument :

MSVOA_L

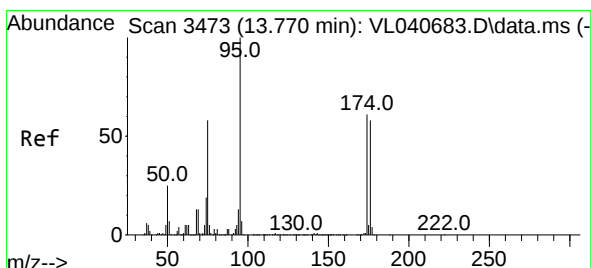
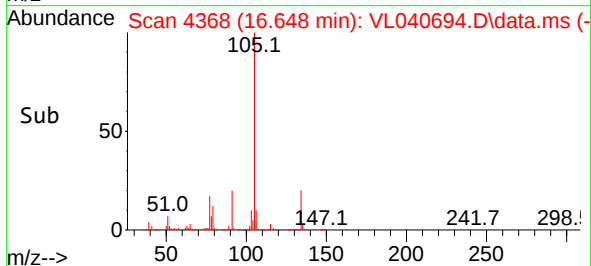
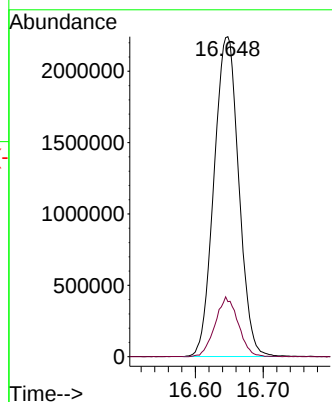
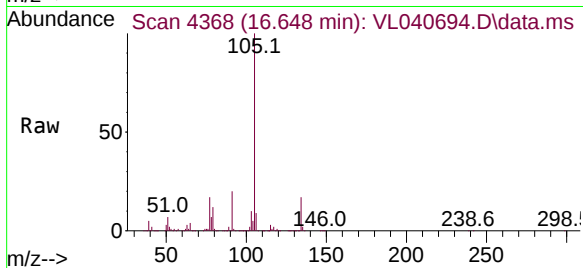
ClientSampleId :

Tgt Ion:105 Resp: 5689185

Ion Ratio Lower Upper

105 100

134 17.4 14.1 21.1



#68

1-Bromo-4-Fluorobenzene

Concen: 10.154 ppbv

RT: 13.786 min Scan# 3478

Delta R.T. 0.000 min

Lab File: VL040694.D

Acq: 18 Sep 2023 11:14

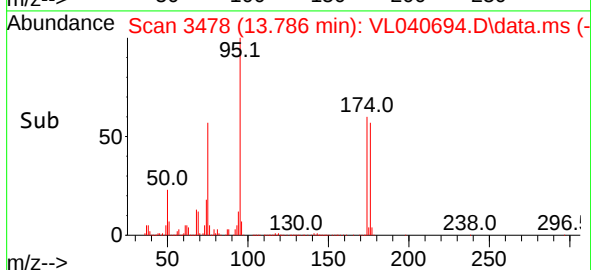
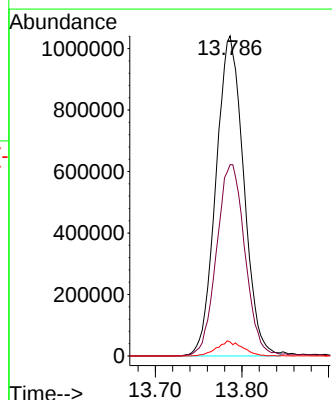
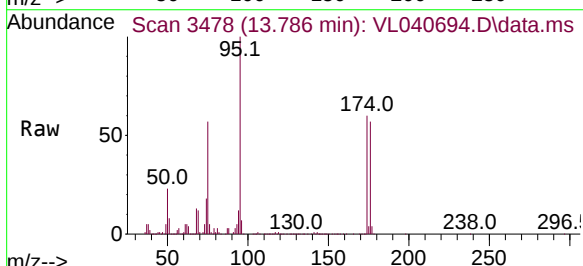
Tgt Ion: 95 Resp: 2312702

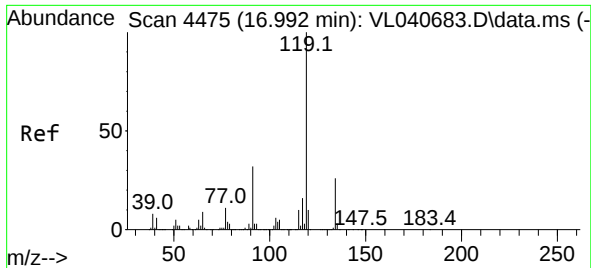
Ion Ratio Lower Upper

95 100

174 61.9 48.9 73.3

175 4.4 3.5 5.3

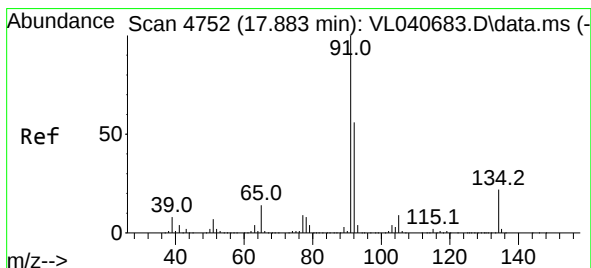
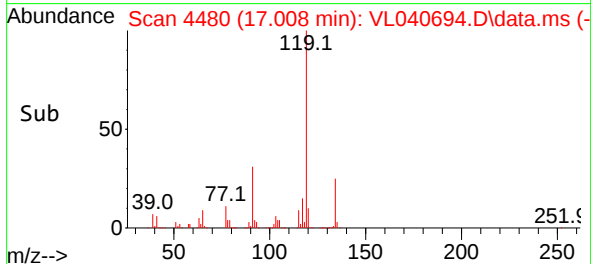
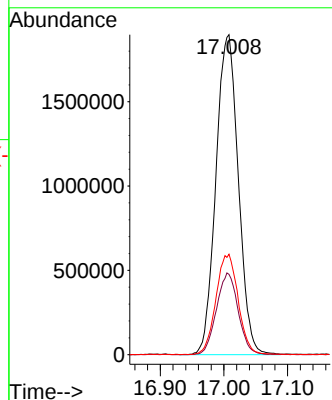
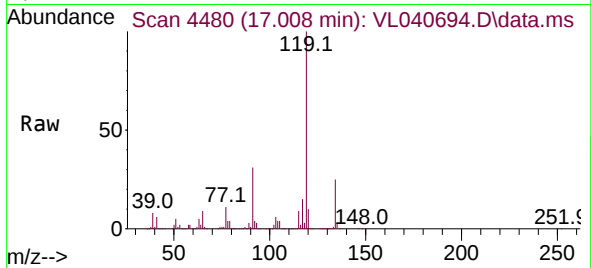




#69
p-Isopropyltoluene
Concen: 10.108 ppbv
RT: 17.008 min Scan# 4475
Delta R.T. 0.006 min
Lab File: VL040694.D
Acq: 18 Sep 2023 11:14

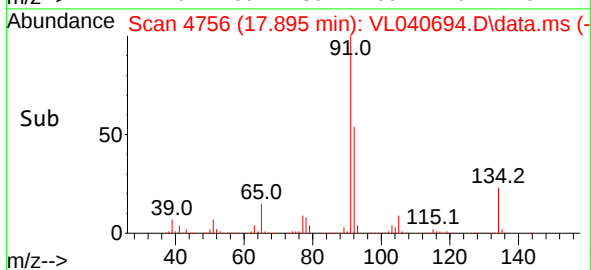
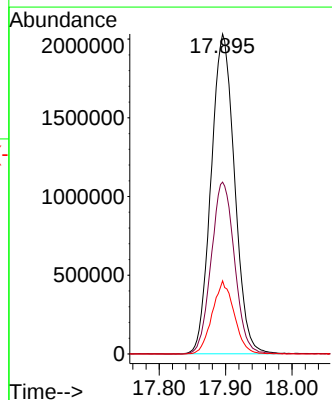
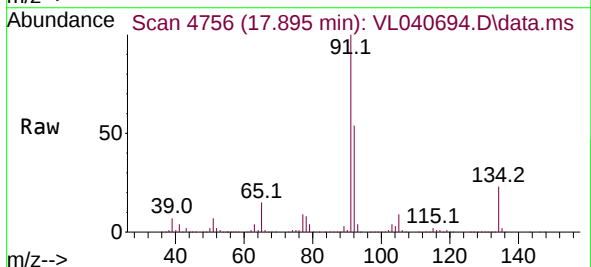
Instrument :
MSVOA_1
ClientSampleId :

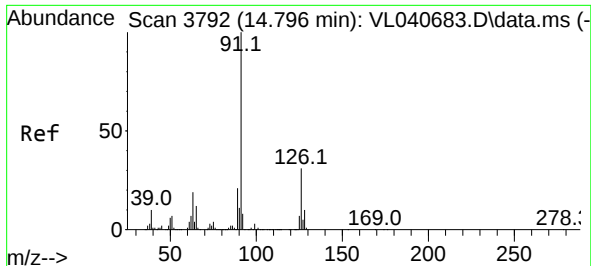
Tgt Ion:119 Resp: 4638467
Ion Ratio Lower Upper
119 100
134 24.8 20.2 30.2
91 31.1 25.0 37.6



#70
n-Butylbenzene
Concen: 9.864 ppbv
RT: 17.895 min Scan# 4756
Delta R.T. 0.000 min
Lab File: VL040694.D
Acq: 18 Sep 2023 11:14

Tgt Ion: 91 Resp: 4981966
Ion Ratio Lower Upper
91 100
92 53.6 42.7 64.1
134 21.4 17.0 25.4

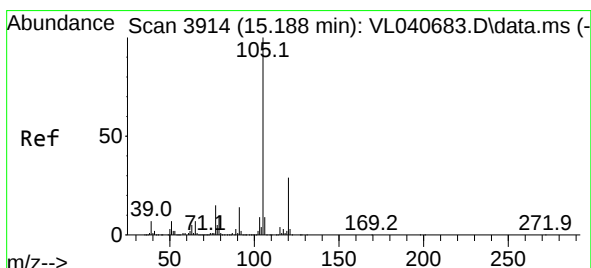
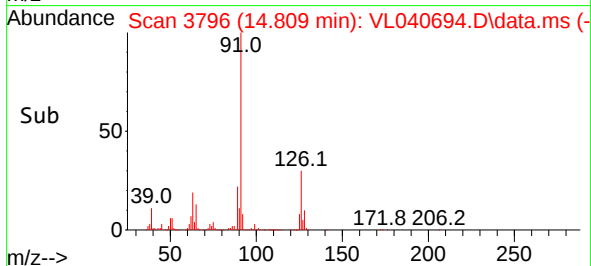
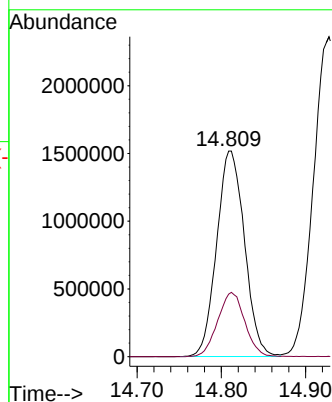
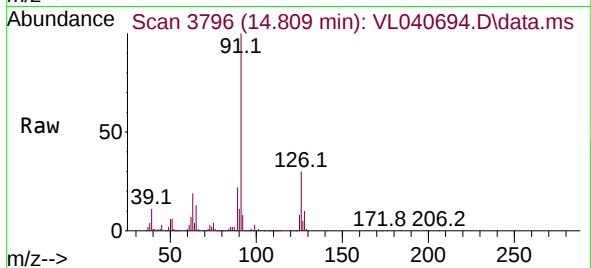




#71
2-Chlorotoluene
Concen: 10.342 ppbv
RT: 14.809 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL040694.D
Acq: 18 Sep 2023 11:14

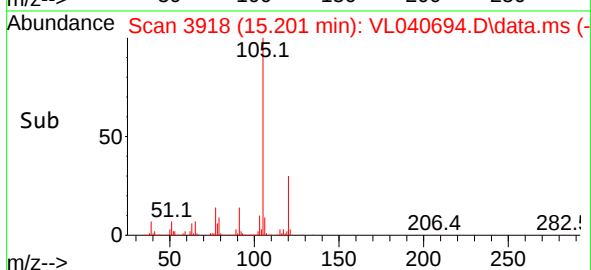
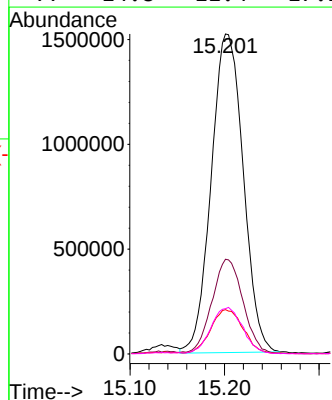
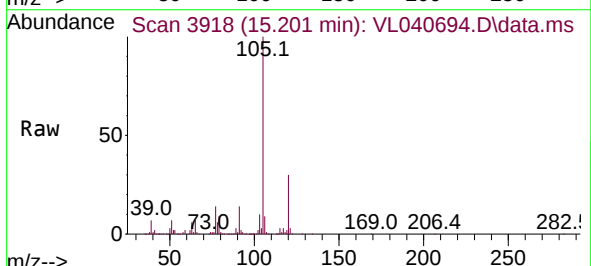
Instrument :
MSVOA_L
ClientSampleId :

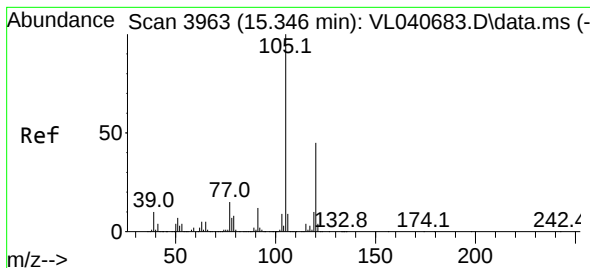
Tgt Ion: 91 Resp: 3477072
Ion Ratio Lower Upper
91 100
126 30.6 12.0 47.8



#72
4-Ethyltoluene
Concen: 10.574 ppbv
RT: 15.201 min Scan# 3918
Delta R.T. 0.000 min
Lab File: VL040694.D
Acq: 18 Sep 2023 11:14

Tgt Ion: 105 Resp: 3568780
Ion Ratio Lower Upper
105 100
120 29.9 23.9 35.9
91 14.1 11.0 16.4
77 14.8 11.4 17.2





#73

1,3,5-Trimethylbenzene

Concen: 10.194 ppbv

RT: 15.362 min Scan# 3963

Delta R.T. 0.000 min

Lab File: VL040694.D

Acq: 18 Sep 2023 11:14

Instrument :

MSVOA_L

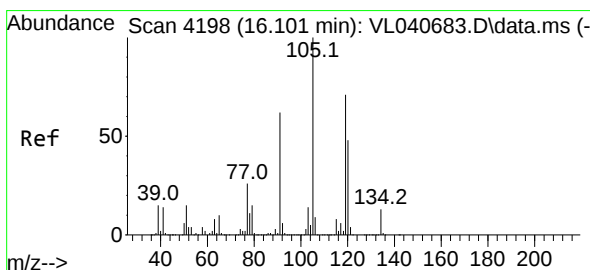
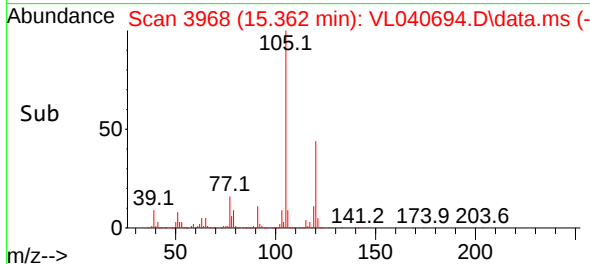
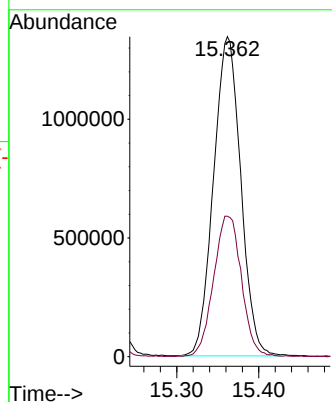
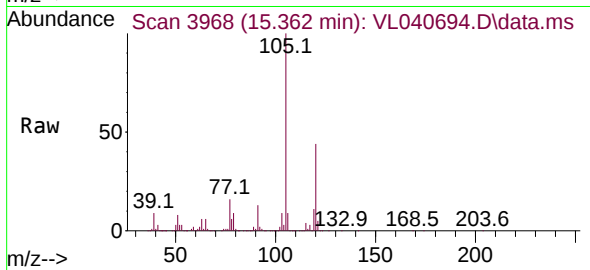
ClientSampleId :

Tgt Ion:105 Resp: 3098142

Ion Ratio Lower Upper

105 100

120 43.8 36.1 54.1



#74

1,2,4-Trimethylbenzene

Concen: 9.659 ppbv

RT: 16.117 min Scan# 4203

Delta R.T. 0.000 min

Lab File: VL040694.D

Acq: 18 Sep 2023 11:14

Tgt Ion:105 Resp: 3578605

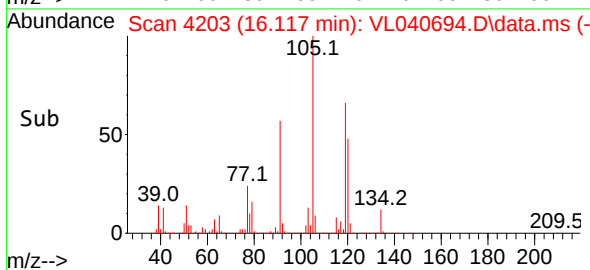
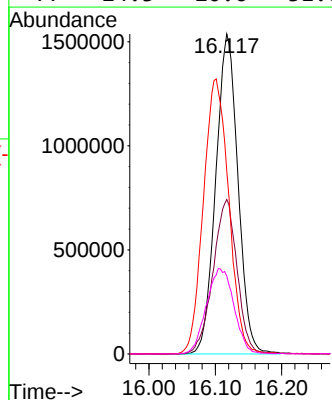
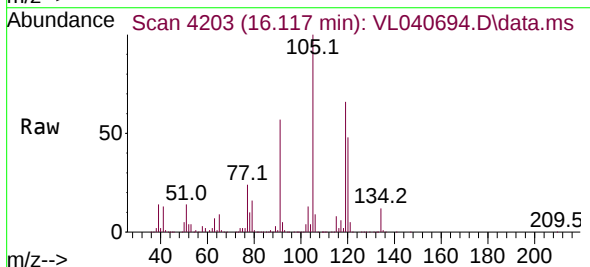
Ion Ratio Lower Upper

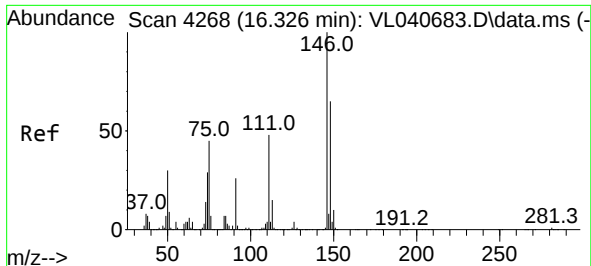
105 100

120 48.2 38.6 57.8

91 57.0 50.0 75.0

77 24.3 20.6 31.0

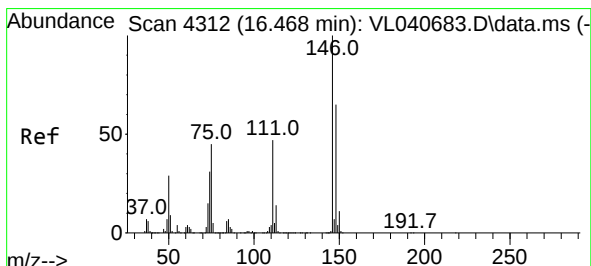
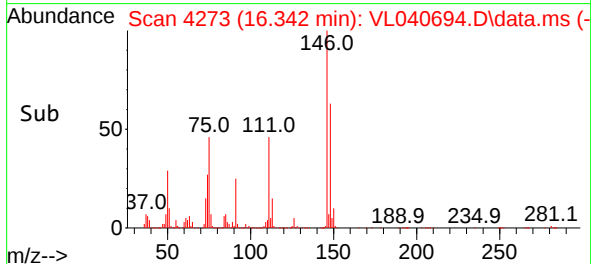
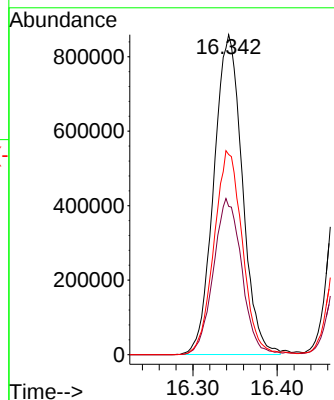
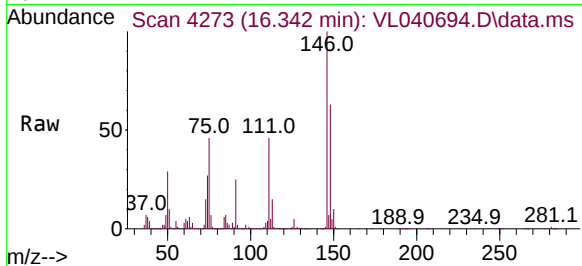




#75
1,3-Dichlorobenzene
Concen: 9.528 ppbv
RT: 16.342 min Scan# 4317
Delta R.T. 0.003 min
Lab File: VL040694.D
Acq: 18 Sep 2023 11:14

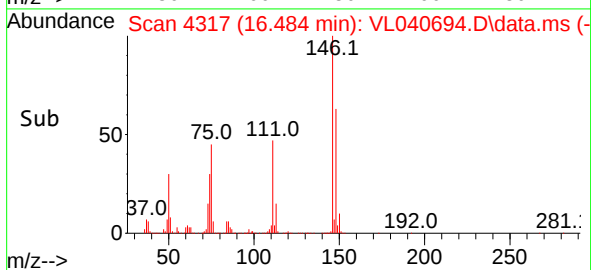
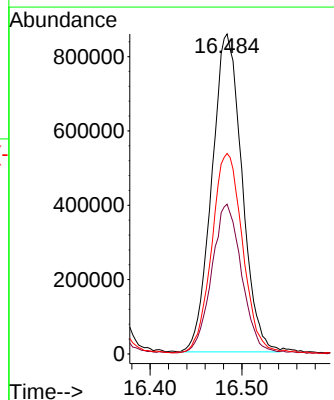
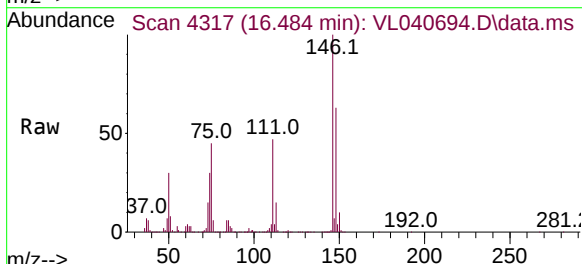
Instrument :
MSVOA_L
ClientSampleId :

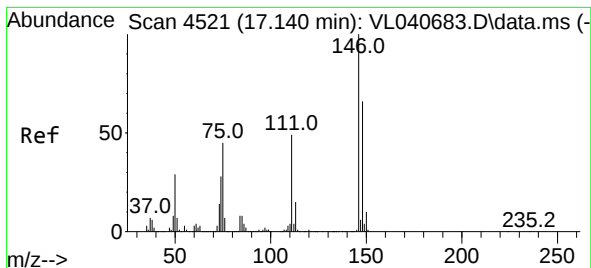
Tgt Ion:146 Resp: 2011359
Ion Ratio Lower Upper
146 100
111 48.9 23.9 71.7
148 63.7 31.8 95.4



#76
1,4-Dichlorobenzene
Concen: 9.402 ppbv
RT: 16.484 min Scan# 4317
Delta R.T. 0.003 min
Lab File: VL040694.D
Acq: 18 Sep 2023 11:14

Tgt Ion:146 Resp: 1952711
Ion Ratio Lower Upper
146 100
111 47.6 23.8 71.2
148 65.3 32.6 97.7





#77

1,2-Dichlorobenzene

Concen: 9.232 ppbv

RT: 17.149 min Scan# 4

Delta R.T. -0.003 min

Lab File: VL040694.D

Acq: 18 Sep 2023 11:14

Instrument :

MSVOA_L

ClientSampleId :

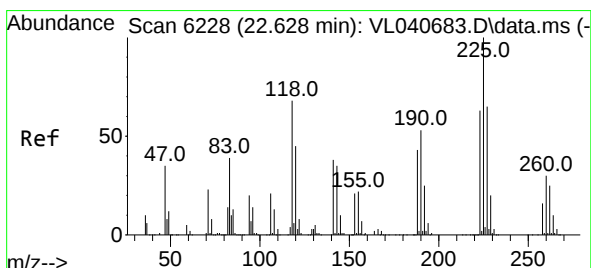
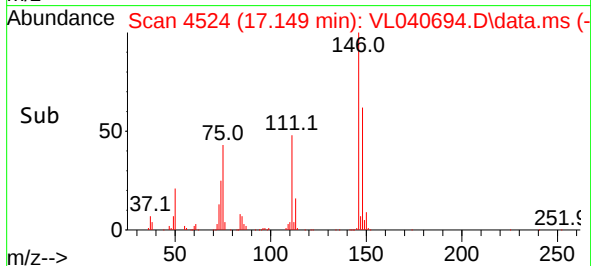
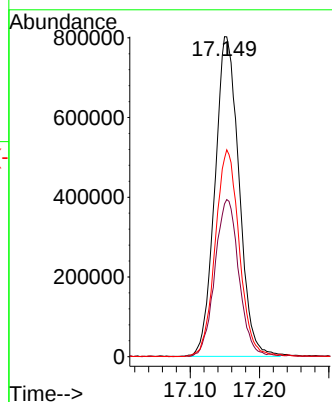
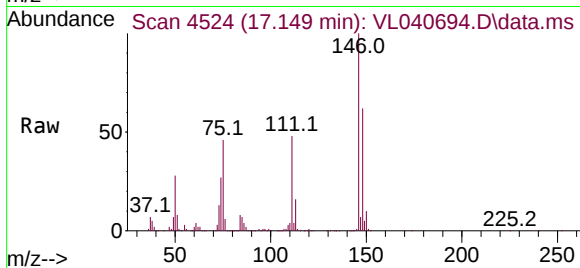
Tgt Ion:146 Resp: 1941094

Ion Ratio Lower Upper

146 100

111 49.4 25.0 75.0

148 64.3 32.4 97.0



#78

Hexachloro-1,3-Butadiene

Concen: 8.635 ppbv

RT: 22.648 min Scan# 6234

Delta R.T. 0.010 min

Lab File: VL040694.D

Acq: 18 Sep 2023 11:14

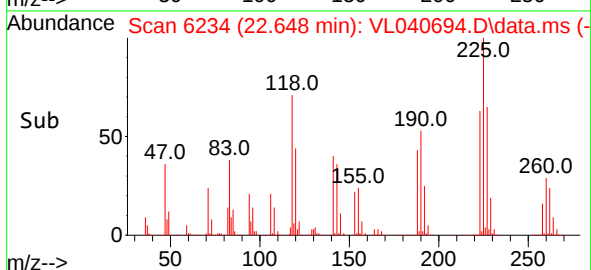
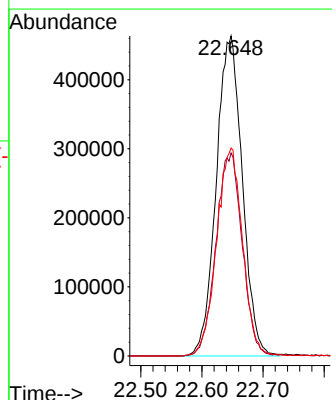
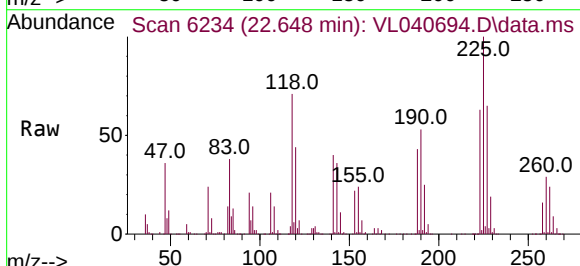
Tgt Ion:225 Resp: 1373640

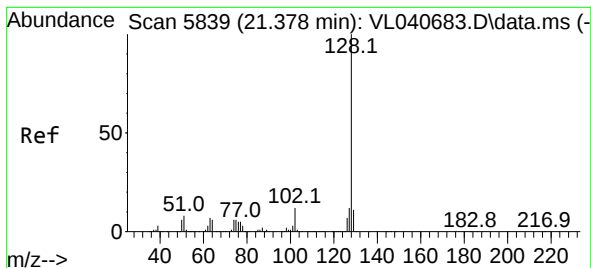
Ion Ratio Lower Upper

225 100

223 64.1 51.2 76.8

227 64.6 50.7 76.1





#79

Naphthalene

Concen: 12.233 ppbv

RT: 21.397 min Scan# 5845

Delta R.T. 0.003 min

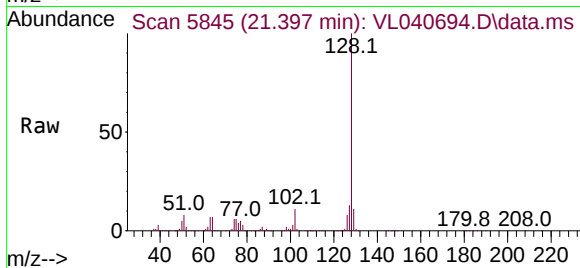
Lab File: VL040694.D

Acq: 18 Sep 2023 11:14

Instrument :

MSVOA_L

ClientSampleId :



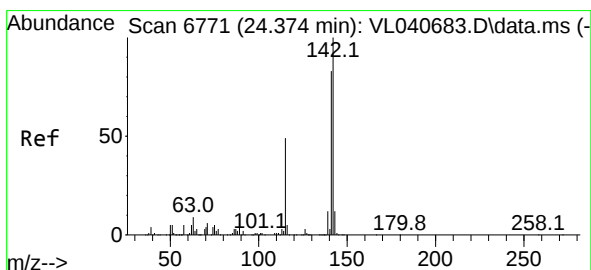
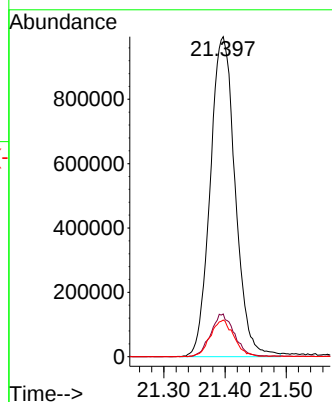
Tgt Ion:128 Resp: 2820291

Ion Ratio Lower Upper

128 100

127 13.2 9.8 14.6

129 11.4 8.4 12.6



#80

Naphthalene,2-methyl-

Concen: 14.232 ppbv

RT: 24.384 min Scan# 6774

Delta R.T. 0.003 min

Lab File: VL040694.D

Acq: 18 Sep 2023 11:14

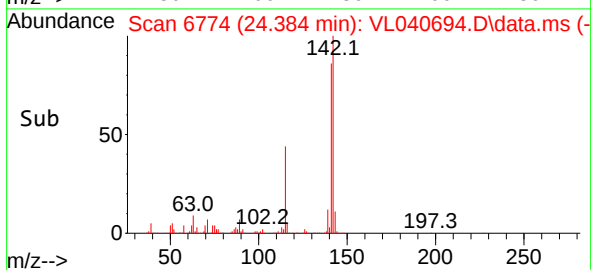
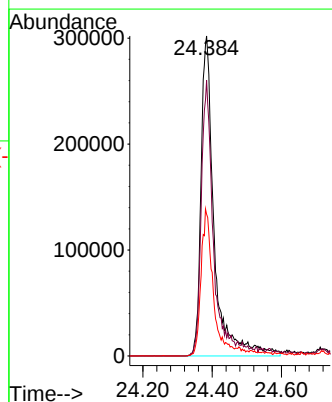
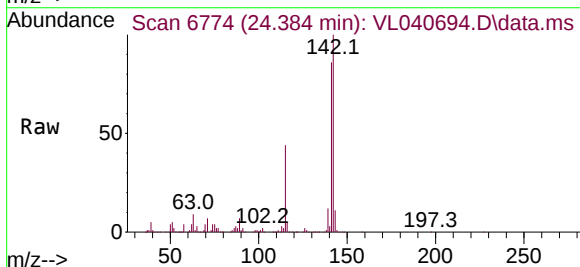
Tgt Ion:142 Resp: 803662

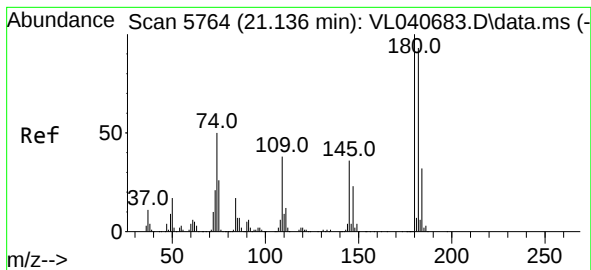
Ion Ratio Lower Upper

142 100

141 80.1 67.0 100.6

115 45.2 37.4 56.2





#81

1,2,4-Trichlorobenzene

Concen: 9.770 ppbv

RT: 21.153 min Scan# 51

Delta R.T. 0.003 min

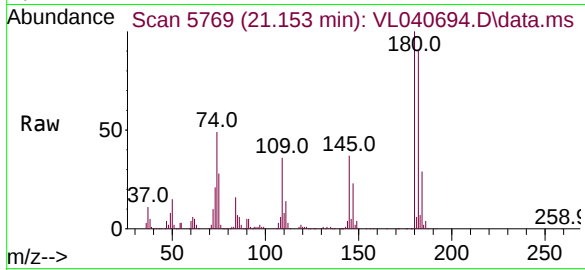
Lab File: VL040694.D

Acq: 18 Sep 2023 11:14

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:180 Resp: 1471275

Ion Ratio Lower Upper

180 100

182 96.6 77.9 116.9

184 31.2 24.4 36.6

