

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091823\
 Data File : VL040692.D
 Acq On : 18 Sep 2023 9:25
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Sep 19 05:13:02 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	5.198	49	1220540	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.661	114	3179461	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.478	117	2901222	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.786	95	2322120	10.360	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.600%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.732	85	2516587	9.358	ppbv	97
3) Chlorodifluoromethane	2.677	51	1756015	8.831	ppbv	99
4) Chloromethane	2.816	50	675455	8.873	ppbv	99
5) Vinyl Chloride	2.925	62	772237	8.584	ppbv	97
6) Bromomethane	3.124	94	405060	9.332	ppbv	97
7) Chloroethane	3.198	64	289204	9.359	ppbv	93
8) Dichlorotetrafluoroethane	2.861	85	1992054	8.973	ppbv	100
9) Propene	2.697	41	487082	8.503	ppbv	96
10) Heptane	7.587	43	1297941	10.056	ppbv	98
11) Trichlorofluoromethane	3.568	101	2170744	9.182	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.073	101	1581301	9.351	ppbv	99
13) Ethanol	3.243	45	130883	7.720	ppbv	96
14) Bromoethene	3.369	108	625164	8.814	ppbv	95
15) Acetone	3.472	43	1370081	8.510	ppbv	99
16) 1,3-Butadiene	2.989	39	682679	9.730	ppbv	96
17) tert-Butyl alcohol	3.883	59	1423644	8.633	ppbv	99
18) 1,1-Dichloroethene	3.883	96	714831	9.510	ppbv	90
19) Isopropyl Alcohol	3.578	45	840671	8.666	ppbv #	98
20) Methylene Chloride	3.938	84	636539	7.346	ppbv	99
21) Allyl Chloride	4.002	41	962094	9.751	ppbv	98
22) trans-1,2-Dichloroethene	4.452	96	750308	10.095	ppbv	99
23) Vinyl Acetate	4.632	43	1570934	9.435	ppbv	98
24) 1,1-Dichloroethane	4.568	63	1526976	9.800	ppbv	99
25) Ethyl Acetate	5.211	43	2405478	9.264	ppbv	100
26) Hexane	5.221	57	1061327	8.644	ppbv	99
27) Carbon Disulfide	4.131	76	1836024	10.723	ppbv	99
28) Methyl tert-Butyl Ether	4.590	73	1111128	10.519	ppbv	96
29) Chloroform	5.282	83	1949841	9.198	ppbv	99
30) Cyclohexane	6.610	84	897790	9.710	ppbv	97
31) cis-1,2-Dichloroethene	5.086	61	1110383	9.748	ppbv	96
32) 1,1,1-Trichloroethane	6.012	97	2040192	9.414	ppbv	99
34) 2-Butanone	4.790	43	1409943	8.818	ppbv	98
35) Carbon Tetrachloride	6.504	117	2138411	9.795	ppbv	95
36) Benzene	6.381	78	2246736	9.543	ppbv	97
37) 1,2-Dichloroethane	5.815	62	1497137	9.291	ppbv	99
38) Trichloroethene	7.301	130	943184	10.505	ppbv	98
39) 1,2-Dichloropropane	7.082	63	856244	9.448	ppbv	99
40) 1,4-Dioxane	7.295	88	367441	10.725	ppbv #	99
41) Tetrahydrofuran	5.561	42	791152	9.649	ppbv	100
42) Bromodichloromethane	7.259	83	2153178	9.793	ppbv	97
43) Methyl Methacrylate	7.481	69	935311	10.688	ppbv	98
44) 2,2,4-Trimethylpentane	7.336	57	3737430	9.970	ppbv	99
45) t-1,3-Dichloropropene	8.722	75	837818	12.346	ppbv	99

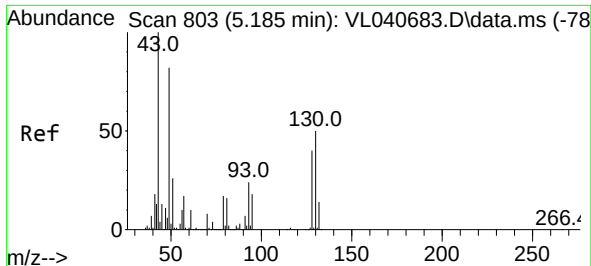
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 Data File : VL040692.D
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Quant Time: Sep 19 05:13:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M
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 QLast Update : Tue Sep 19 05:12:43 2023
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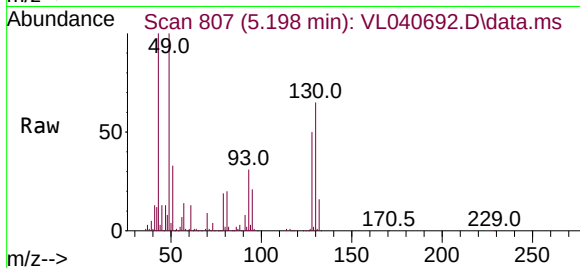
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.150	75	953015	11.478	ppbv	98
47) 1,1,2-Trichloroethane	8.909	97	992722	9.545	ppbv	98
48) Dibromochloromethane	9.722	129	1802040	10.503	ppbv	99
49) Bromoform	12.420	173	1498634	10.636	ppbv	99
50) 4-Methyl-2-Pentanone	8.192	43	2224144	10.294	ppbv	99
51) 2-Hexanone	9.555	43	1613068	10.816	ppbv #	99
52) Tetrachloroethene	10.626	164	821214	10.693	ppbv	91
53) Toluene	9.230	91	2666358	10.727	ppbv	99
54) 1,2-Dibromoethane	10.018	107	1423839	10.726	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.519	131	1351312	9.771	ppbv	99
57) Chlorobenzene	11.536	112	2131799	9.703	ppbv	97
58) Ethyl Benzene	12.101	91	3649788	11.034	ppbv	97
59) m/p-Xylene	12.381	91	3463016	11.150	ppbv #	42
60) o-Xylene	13.069	91	3152564	10.643	ppbv	99
61) Styrene	12.905	104	1499265	12.077	ppbv	99
62) Isopropylbenzene	14.037	105	4520850	10.109	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.056	83	2246731	9.678	ppbv	99
64) n-propylbenzene	14.924	120	1156484	10.342	ppbv	99
65) tert-Butylbenzene	16.098	119	4035591	10.054	ppbv	99
66) Benzyl Chloride	16.336	91	533717	11.393	ppbv	99
67) sec-Butylbenzene	16.645	105	5687552	9.898	ppbv	100
69) p-Isopropyltoluene	17.002	119	4538770	10.050	ppbv	99
70) n-Butylbenzene	17.895	91	4976289	10.011	ppbv	99
71) 2-Chlorotoluene	14.809	91	3473399	10.497	ppbv	99
72) 4-Ethyltoluene	15.201	105	3584002	10.790	ppbv	98
73) 1,3,5-Trimethylbenzene	15.362	105	3103061	10.375	ppbv	99
74) 1,2,4-Trimethylbenzene	16.117	105	3564598	9.776	ppbv	94
75) 1,3-Dichlorobenzene	16.339	146	1992039	9.589	ppbv	98
76) 1,4-Dichlorobenzene	16.481	146	1932022	9.452	ppbv	99
77) 1,2-Dichlorobenzene	17.153	146	1907183	9.217	ppbv	99
78) Hexachloro-1,3-Butadiene	22.638	225	654206	4.179	ppbv #	18
79) Naphthalene	21.394	128	2679554	11.810	ppbv	99
80) Naphthalene,2-methyl-	24.381	142	657865	11.838	ppbv	96
81) 1,2,4-Trichlorobenzene	21.149	180	1439237	9.711	ppbv	99

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

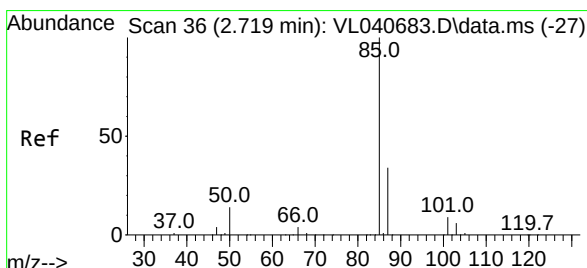
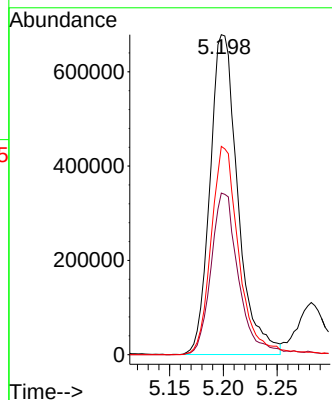
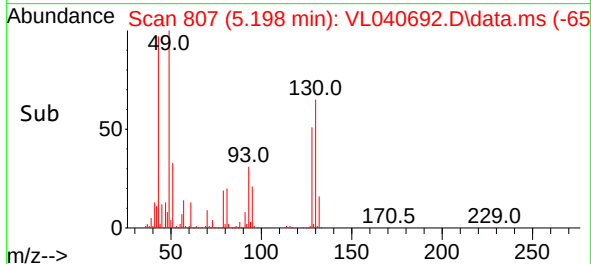


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.198 min Scan# 80
Delta R.T. 0.000 min
Lab File: VL040692.D
Acq: 18 Sep 2023 9:25

Instrument :
MSVOA_L
ClientSampleId :

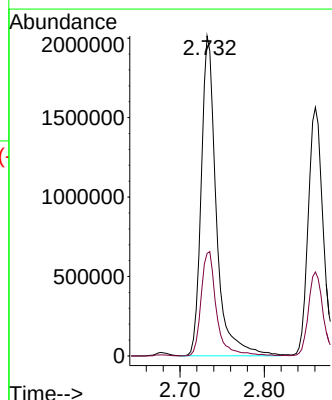
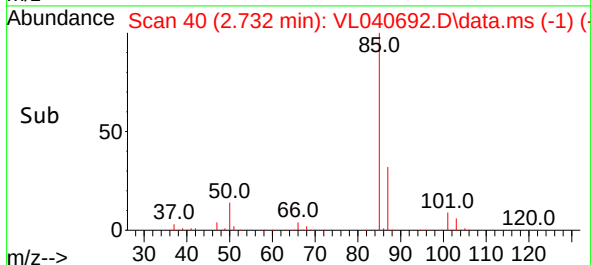
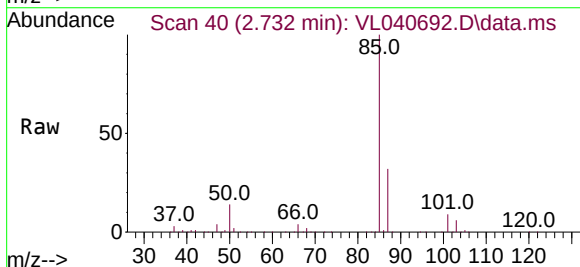


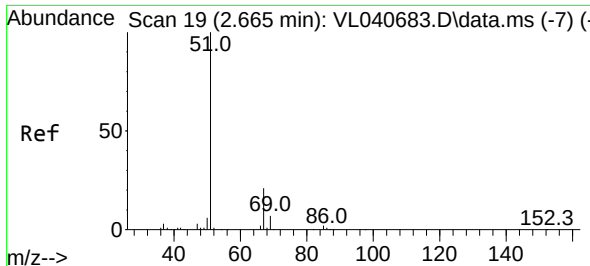
Tgt Ion: 49 Resp: 1220540
Ion Ratio Lower Upper
49 100
128 51.1 25.4 76.0
130 65.6 32.3 96.8



#2
Dichlorodifluoromethane
Concen: 9.358 ppbv
RT: 2.732 min Scan# 40
Delta R.T. 0.000 min
Lab File: VL040692.D
Acq: 18 Sep 2023 9:25

Tgt Ion: 85 Resp: 2516587
Ion Ratio Lower Upper
85 100
87 32.0 27.2 40.8

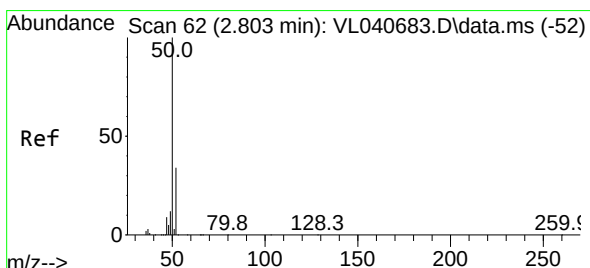
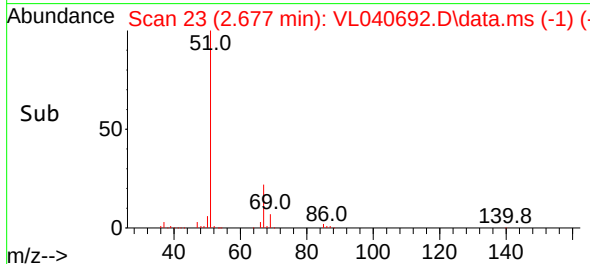
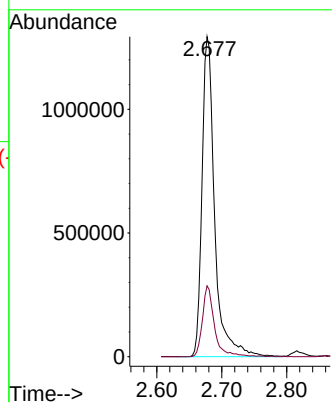
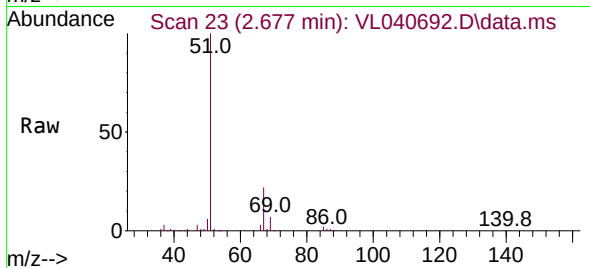




#3
Chlorodifluoromethane
Concen: 8.831 ppbv
RT: 2.677 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL040692.D
Acq: 18 Sep 2023 9:25

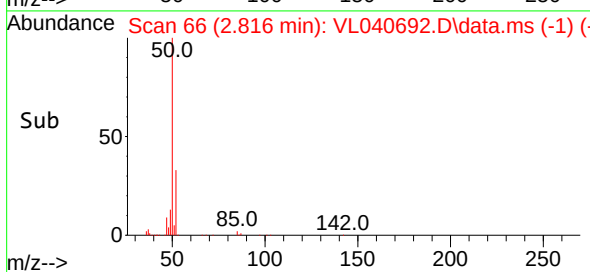
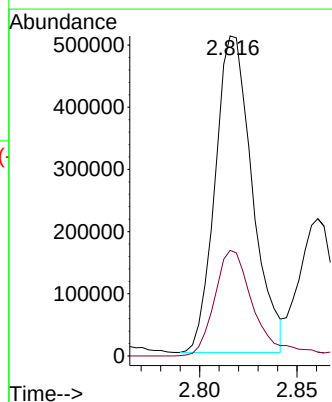
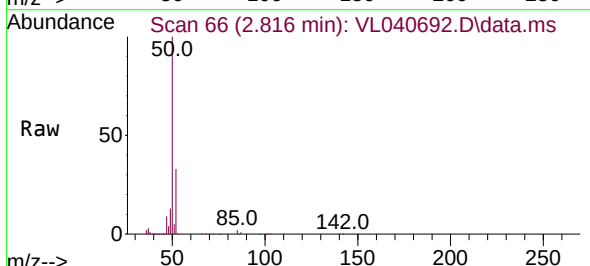
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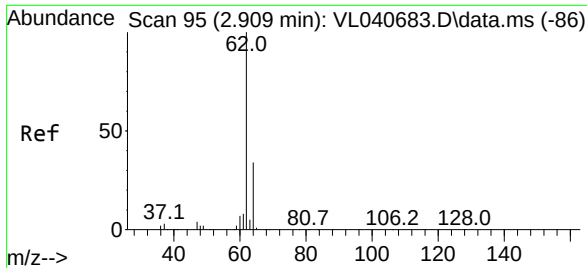
Tgt Ion: 51 Resp: 1756015
Ion Ratio Lower Upper
51 100
67 21.2 16.7 25.1



#4
Chloromethane
Concen: 8.873 ppbv
RT: 2.816 min Scan# 66
Delta R.T. 0.000 min
Lab File: VL040692.D
Acq: 18 Sep 2023 9:25

Tgt Ion: 50 Resp: 675455
Ion Ratio Lower Upper
50 100
52 33.2 27.1 40.7

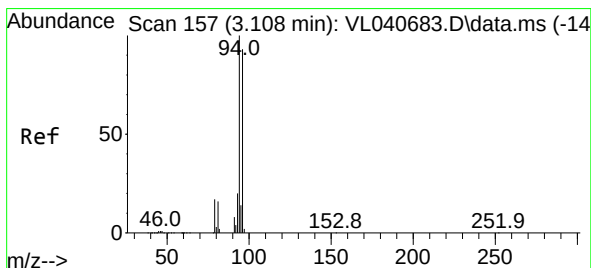
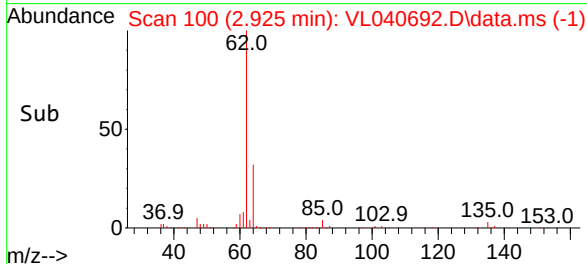
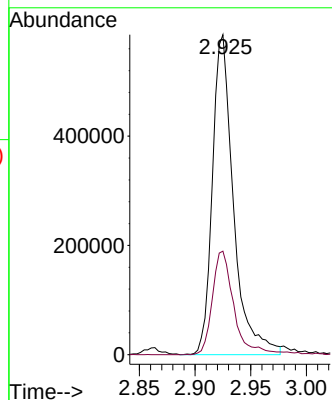
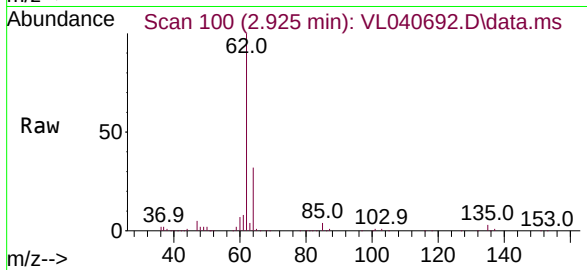




#5
 Vinyl Chloride
 Concen: 8.584 ppbv
 RT: 2.925 min Scan# 100
 Delta R.T. 0.000 min
 Lab File: VL040692.D
 Acq: 18 Sep 2023 9:25

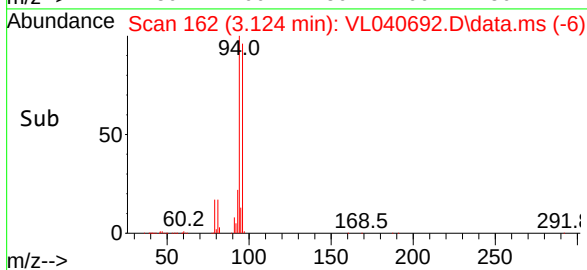
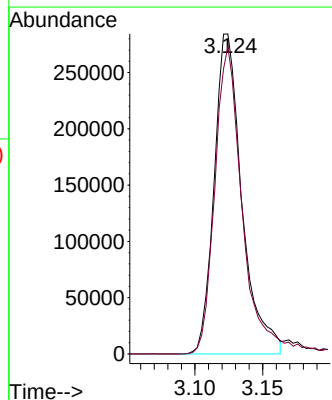
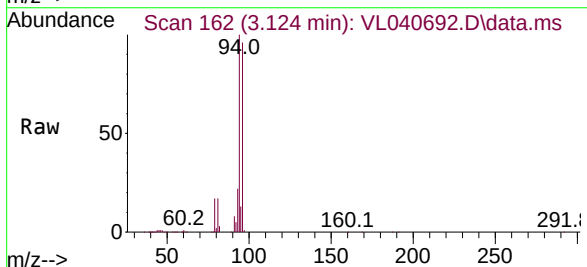
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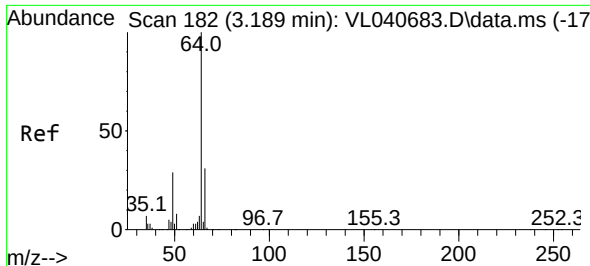
Tgt Ion: 62 Resp: 772237
 Ion Ratio Lower Upper
 62 100
 64 32.3 27.2 40.8



#6
 Bromomethane
 Concen: 9.332 ppbv
 RT: 3.124 min Scan# 162
 Delta R.T. 0.000 min
 Lab File: VL040692.D
 Acq: 18 Sep 2023 9:25

Tgt Ion: 94 Resp: 405060
 Ion Ratio Lower Upper
 94 100
 96 96.1 74.4 111.6

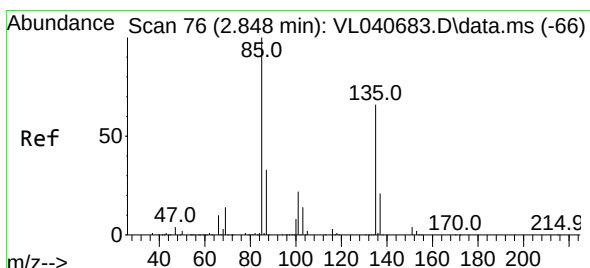
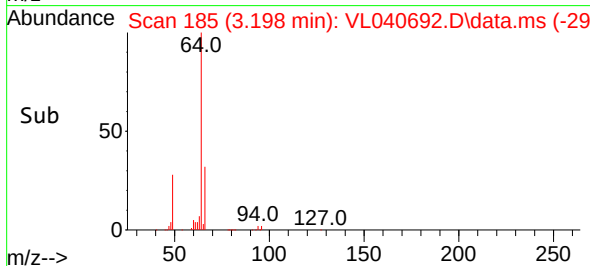
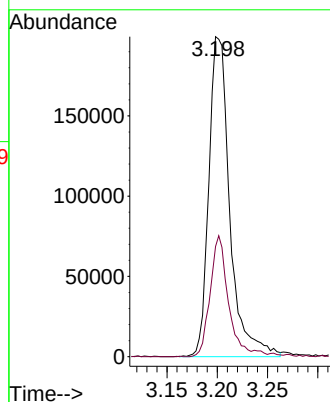
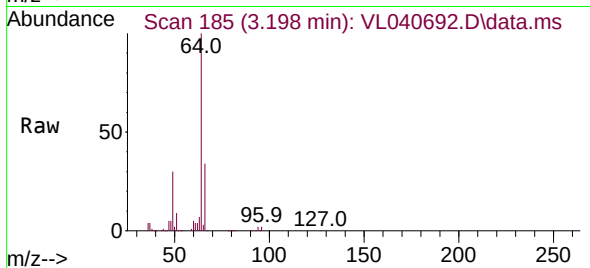




#7
Chloroethane
Concen: 9.359 ppbv
RT: 3.198 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL040692.D
Acq: 18 Sep 2023 9:25

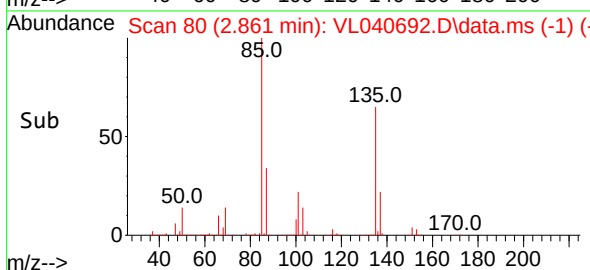
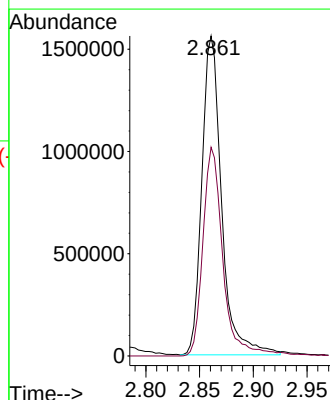
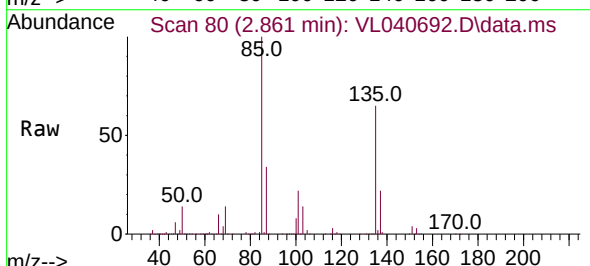
Instrument :
MSVOA_L
ClientSampleId :

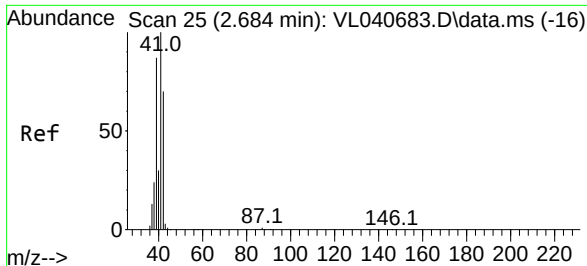
Tgt Ion: 64 Resp: 289204
Ion Ratio Lower Upper
64 100
66 34.4 24.5 36.7



#8
Dichlorotetrafluoroethane
Concen: 8.973 ppbv
RT: 2.861 min Scan# 80
Delta R.T. 0.000 min
Lab File: VL040692.D
Acq: 18 Sep 2023 9:25

Tgt Ion: 85 Resp: 1992054
Ion Ratio Lower Upper
85 100
135 67.1 53.4 80.2





#9

Propene

Concen: 8.503 ppbv

RT: 2.697 min Scan# 24

Delta R.T. 0.000 min

Lab File: VL040692.D

Acq: 18 Sep 2023 9:25

Instrument :

MSVOA_L

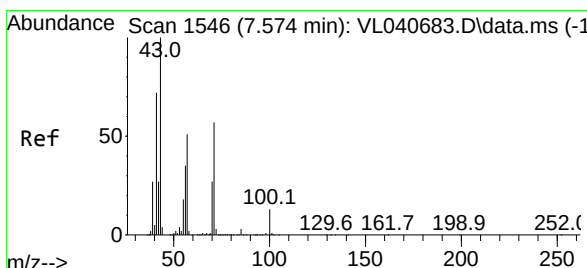
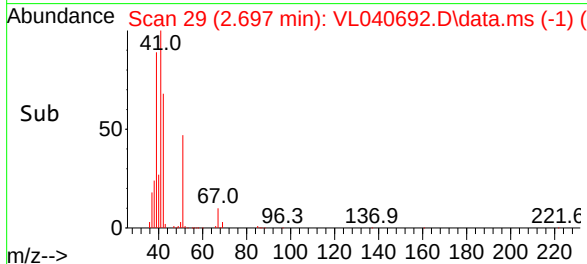
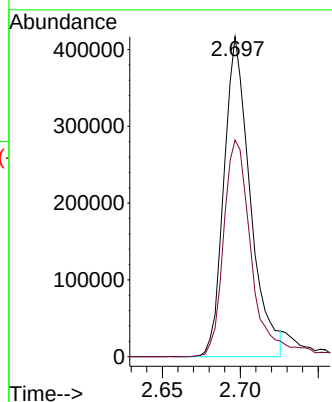
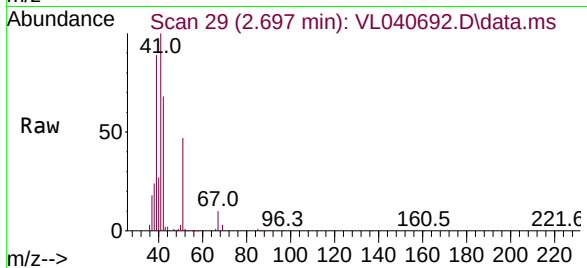
ClientSampleId :

Tgt Ion: 41 Resp: 487082

Ion Ratio Lower Upper

41 100

42 74.4 56.7 85.1



#10

Heptane

Concen: 10.056 ppbv

RT: 7.587 min Scan# 1550

Delta R.T. 0.000 min

Lab File: VL040692.D

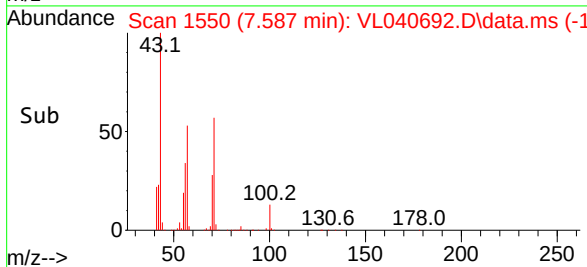
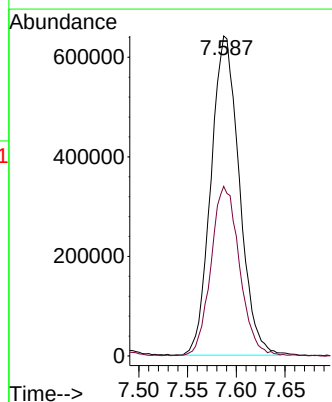
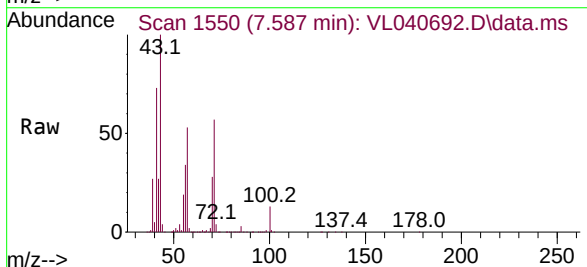
Acq: 18 Sep 2023 9:25

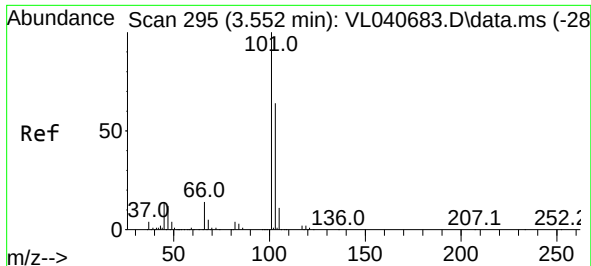
Tgt Ion: 43 Resp: 1297941

Ion Ratio Lower Upper

43 100

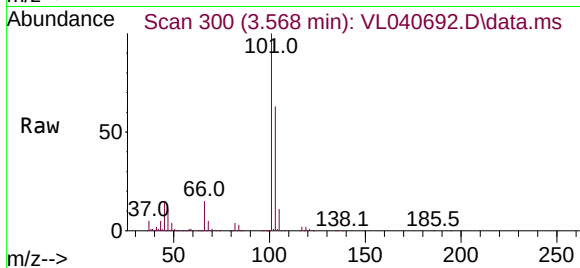
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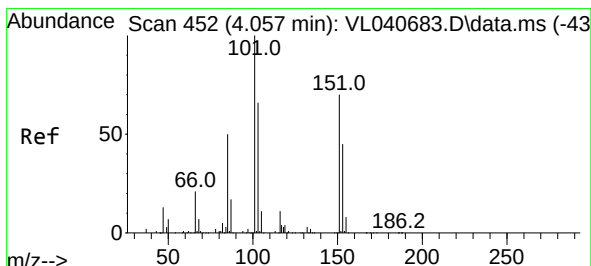
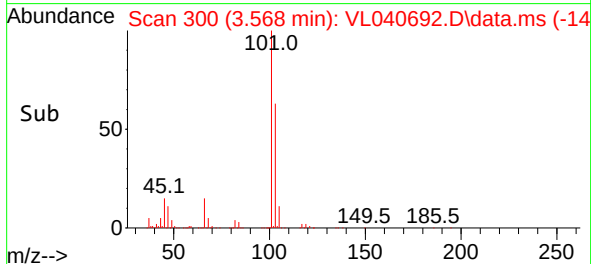
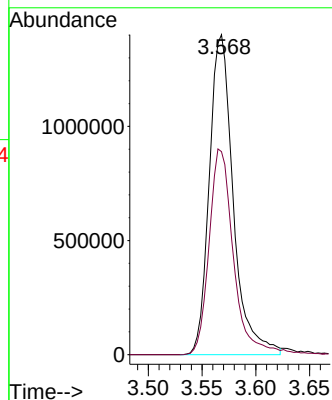


#11
 Trichlorofluoromethane
 Concen: 9.182 ppbv
 RT: 3.568 min Scan# 300
 Delta R.T. 0.000 min
 Lab File: VL040692.D
 Acq: 18 Sep 2023 9:25

Instrument :
 MSVOA_L
 ClientSampleId :

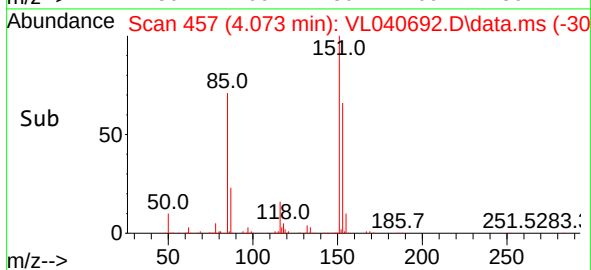
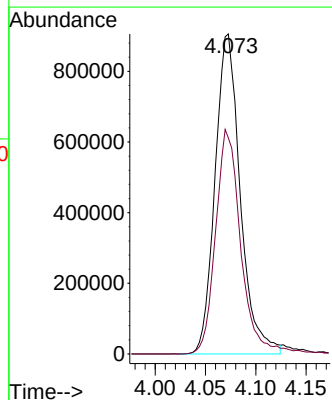
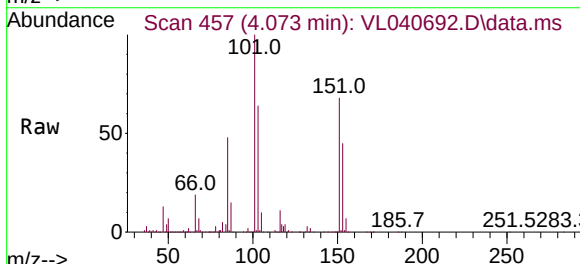


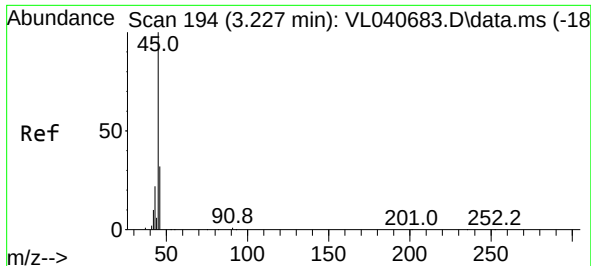
Tgt Ion:101 Resp: 2170744
 Ion Ratio Lower Upper
 101 100
 103 63.5 51.3 76.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.351 ppbv
 RT: 4.073 min Scan# 457
 Delta R.T. 0.000 min
 Lab File: VL040692.D
 Acq: 18 Sep 2023 9:25

Tgt Ion:101 Resp: 1581301
 Ion Ratio Lower Upper
 101 100
 151 70.6 56.8 85.2

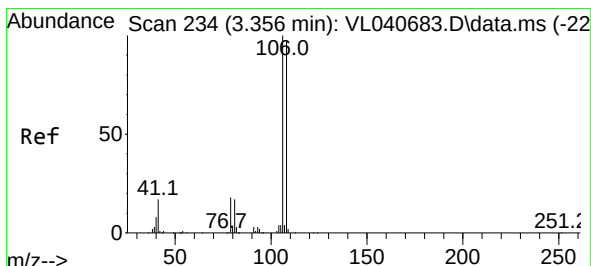
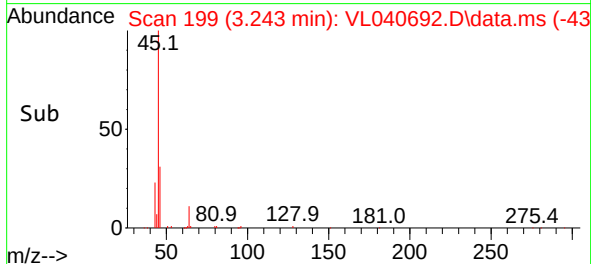
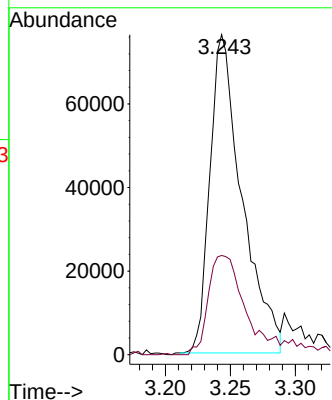
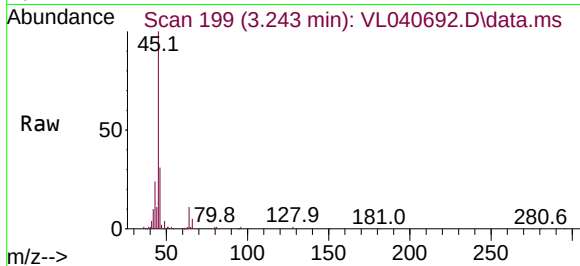




#13
Ethanol
Concen: 7.720 ppbv
RT: 3.243 min Scan# 194
Delta R.T. 0.000 min
Lab File: VL040692.D
Acq: 18 Sep 2023 9:25

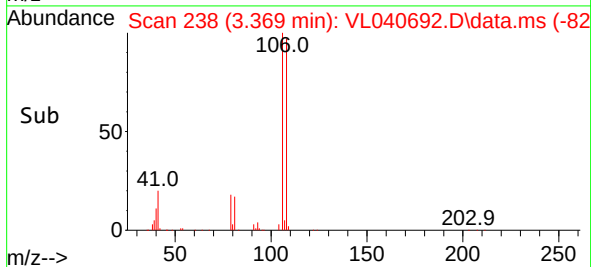
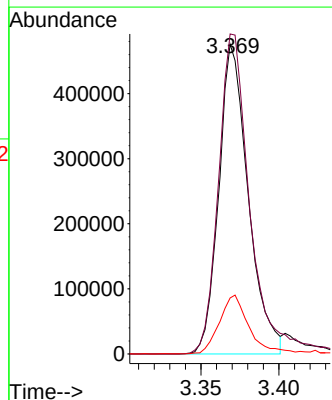
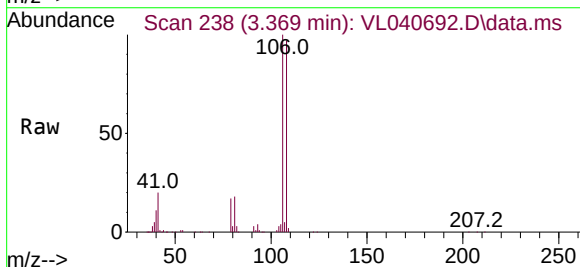
Instrument :
MSVOA_L
ClientSampleId :

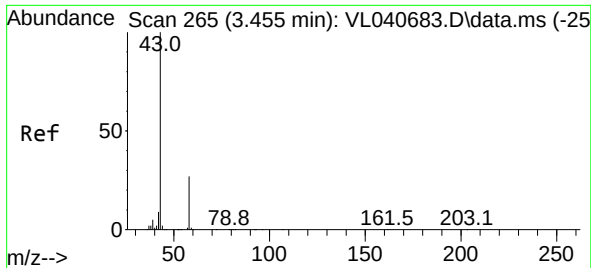
Tgt Ion: 45 Resp: 130883
Ion Ratio Lower Upper
45 100
46 40.3 15.2 61.0



#14
Bromoethene
Concen: 8.814 ppbv
RT: 3.369 min Scan# 238
Delta R.T. 0.000 min
Lab File: VL040692.D
Acq: 18 Sep 2023 9:25

Tgt Ion: 108 Resp: 625164
Ion Ratio Lower Upper
108 100
106 113.1 86.0 129.0
79 20.2 15.6 23.4

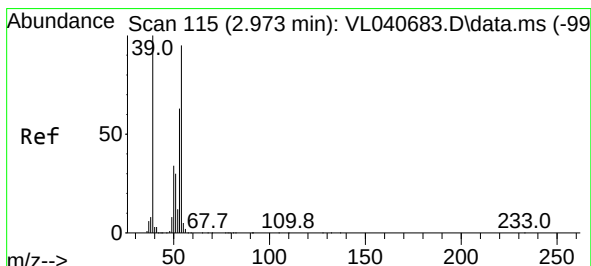
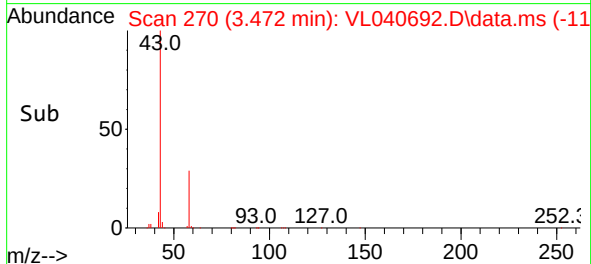
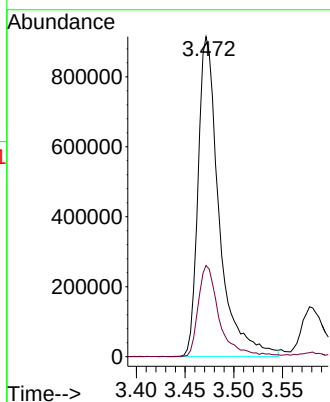
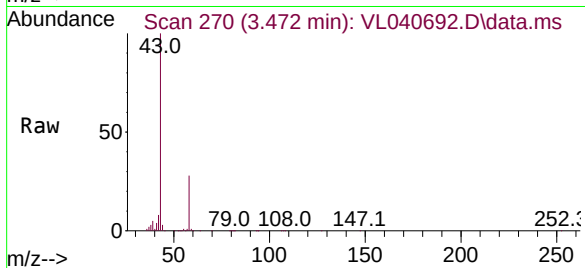




#15
Acetone
Concen: 8.510 ppbv
RT: 3.472 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL040692.D
Acq: 18 Sep 2023 9:25

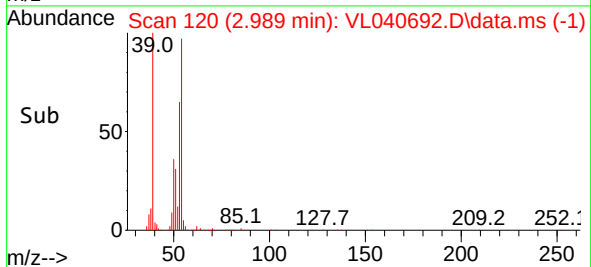
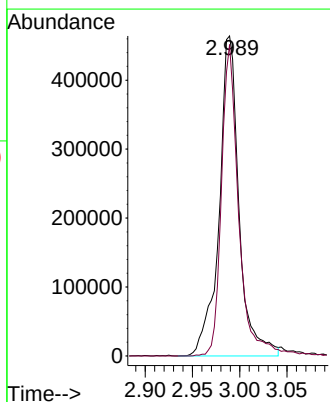
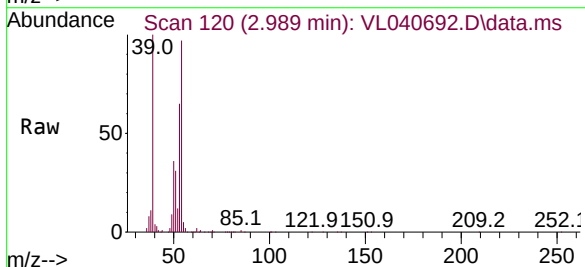
Instrument :
MSVOA_L
ClientSampleId :

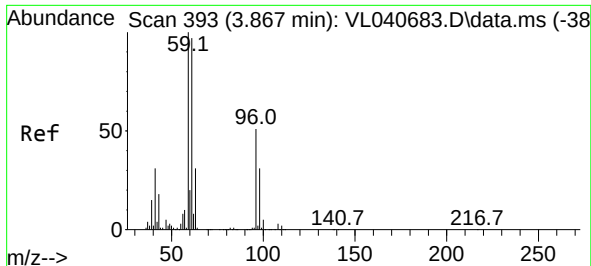
Tgt Ion: 43 Resp: 1370081
Ion Ratio Lower Upper
43 100
58 28.8 22.6 34.0



#16
1,3-Butadiene
Concen: 9.730 ppbv
RT: 2.989 min Scan# 120
Delta R.T. 0.000 min
Lab File: VL040692.D
Acq: 18 Sep 2023 9:25

Tgt Ion: 39 Resp: 682679
Ion Ratio Lower Upper
39 100
54 84.7 64.8 97.2





#17

tert-Butyl alcohol

Concen: 8.633 ppbv

RT: 3.883 min Scan# 398

Delta R.T. 0.000 min

Lab File: VL040692.D

Acq: 18 Sep 2023 9:25

Instrument :

MSVOA_L

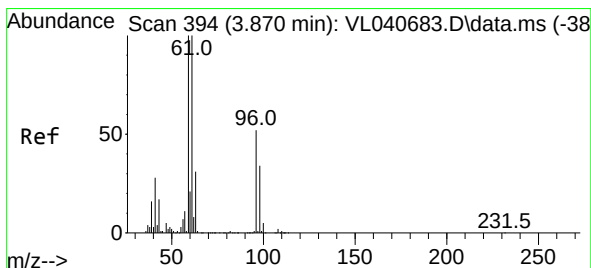
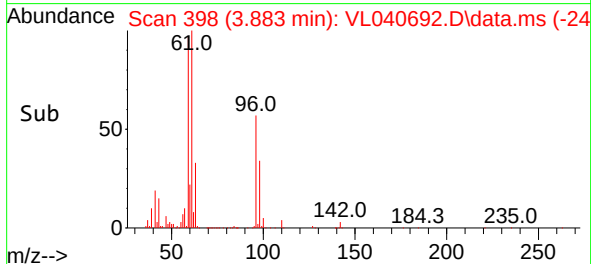
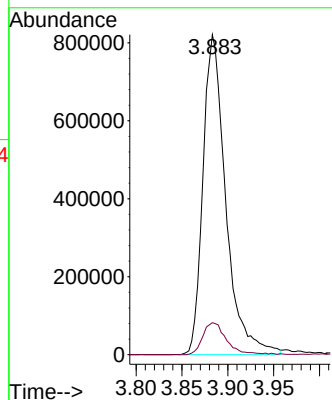
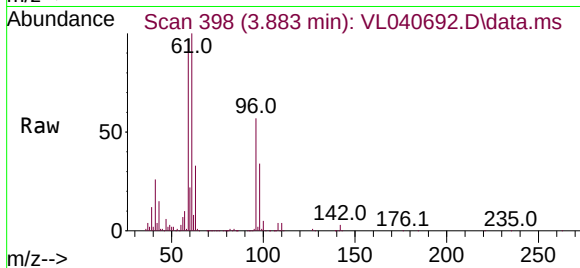
ClientSampleId :

Tgt Ion: 59 Resp: 1423644

Ion Ratio Lower Upper

59 100

57 10.5 8.7 13.1



#18

1,1-Dichloroethene

Concen: 9.510 ppbv

RT: 3.883 min Scan# 398

Delta R.T. 0.000 min

Lab File: VL040692.D

Acq: 18 Sep 2023 9:25

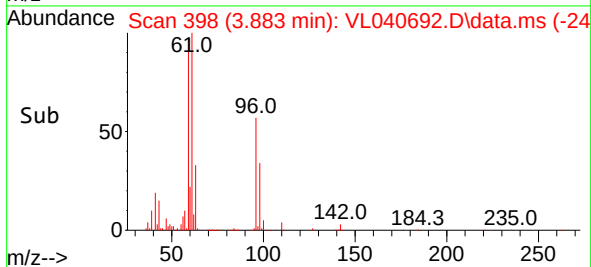
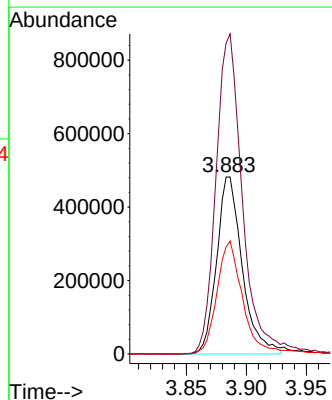
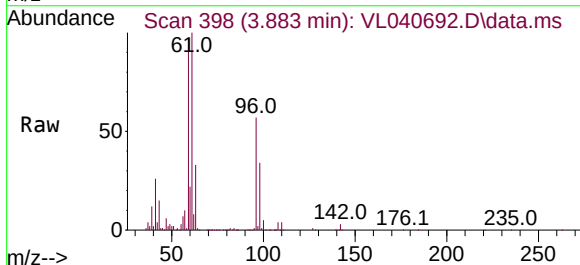
Tgt Ion: 96 Resp: 714831

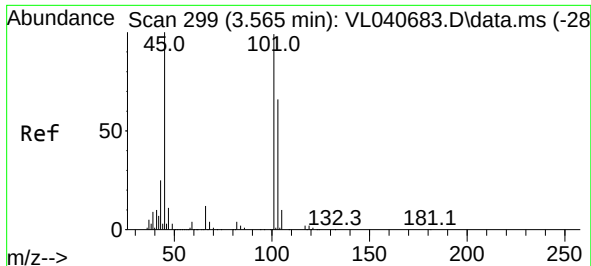
Ion Ratio Lower Upper

96 100

61 175.7 153.6 230.4

98 60.5 51.9 77.9





#19

Isopropyl Alcohol

Concen: 8.666 ppbv

RT: 3.578 min Scan# 30

Delta R.T. 0.000 min

Lab File: VL040692.D

Acq: 18 Sep 2023 9:25

Instrument :

MSVOA_L

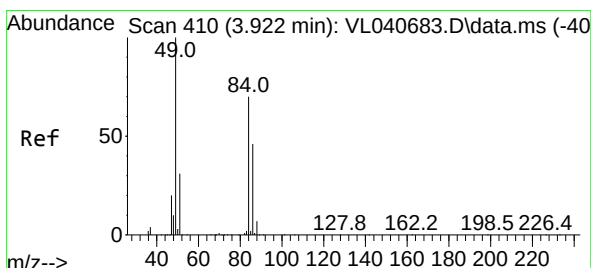
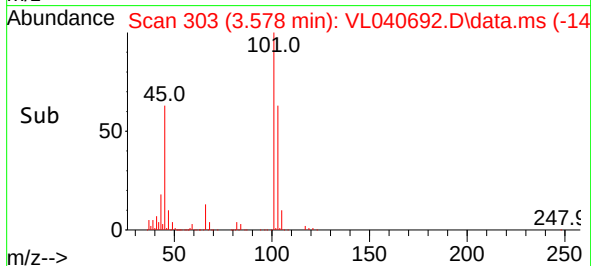
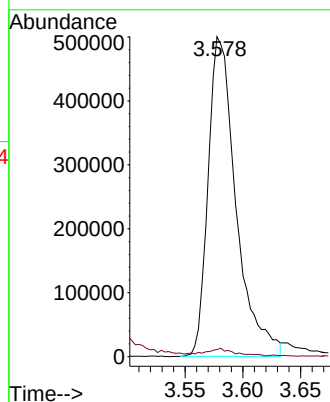
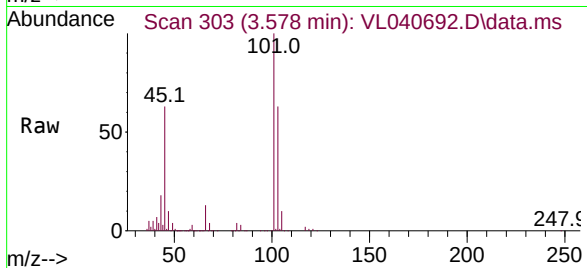
ClientSampleId :

Tgt Ion: 45 Resp: 840671

Ion Ratio Lower Upper

45 100

58 3.2 1.9 2.9#



#20

Methylene Chloride

Concen: 7.346 ppbv

RT: 3.938 min Scan# 415

Delta R.T. 0.000 min

Lab File: VL040692.D

Acq: 18 Sep 2023 9:25

Tgt Ion: 84 Resp: 636539

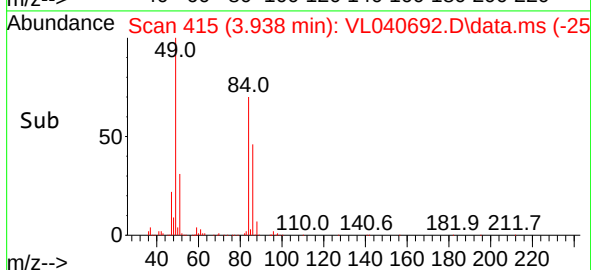
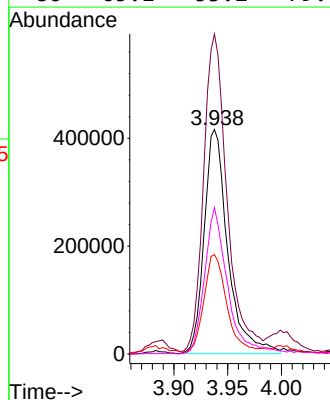
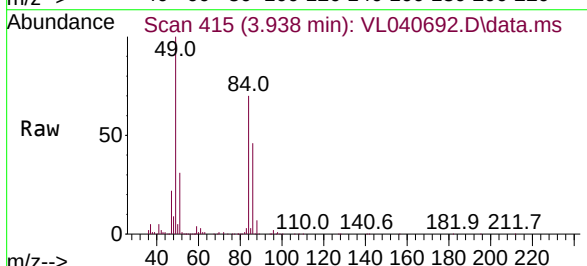
Ion Ratio Lower Upper

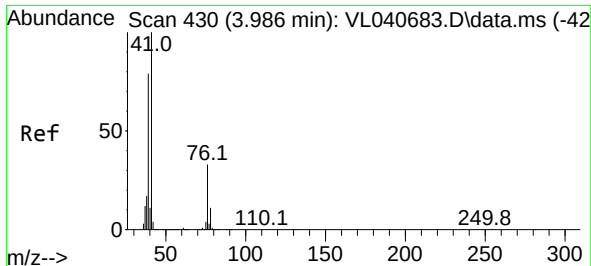
84 100

49 141.6 114.4 171.6

51 43.2 35.5 53.3

86 65.1 53.2 79.8





#21

Allyl Chloride

Concen: 9.751 ppbv

RT: 4.002 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL040692.D

Acq: 18 Sep 2023 9:25

Instrument :

MSVOA_L

ClientSampleId :

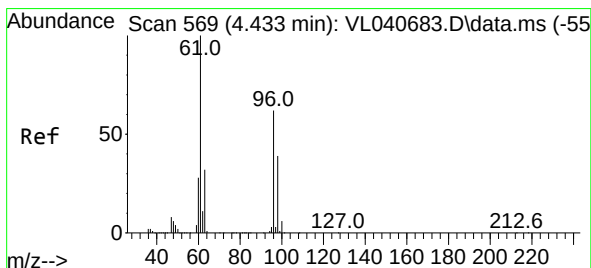
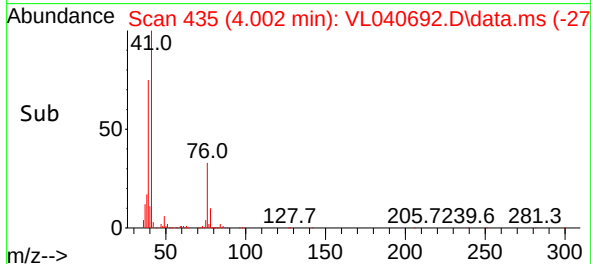
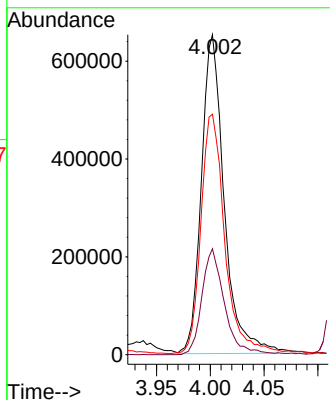
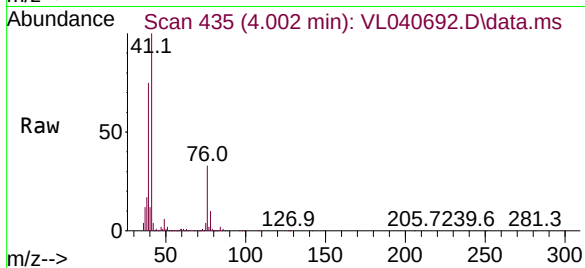
Tgt Ion: 41 Resp: 962094

Ion Ratio Lower Upper

41 100

76 32.8 26.6 40.0

39 78.9 65.0 97.4



#22

trans-1,2-Dichloroethene

Concen: 10.095 ppbv

RT: 4.452 min Scan# 575

Delta R.T. 0.000 min

Lab File: VL040692.D

Acq: 18 Sep 2023 9:25

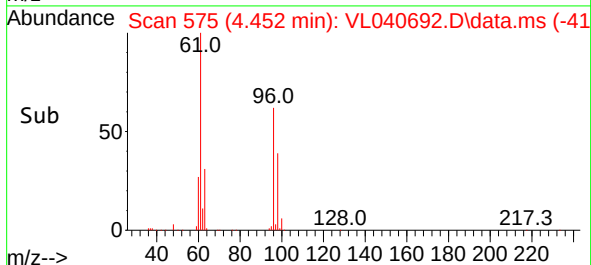
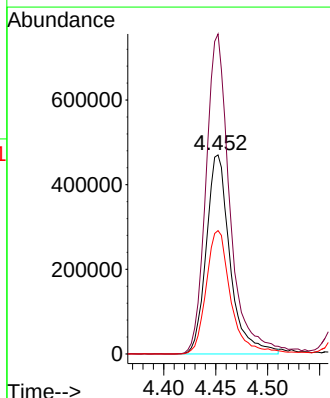
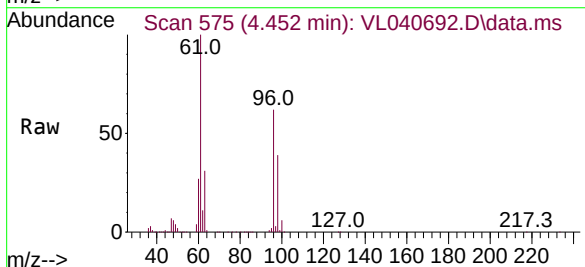
Tgt Ion: 96 Resp: 750308

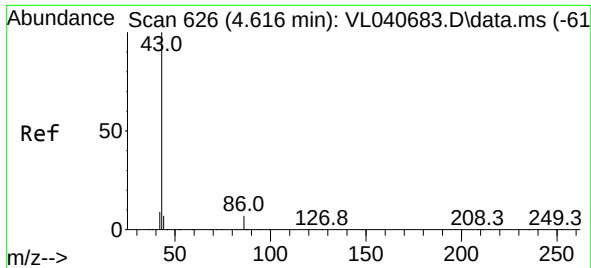
Ion Ratio Lower Upper

96 100

61 160.6 129.9 194.9

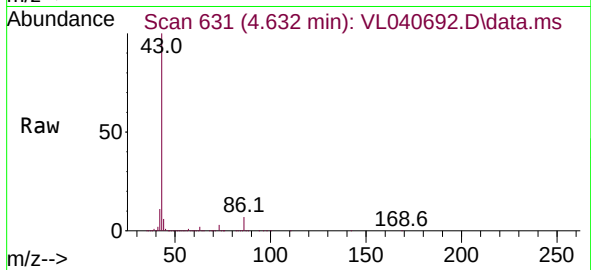
98 61.9 50.2 75.4





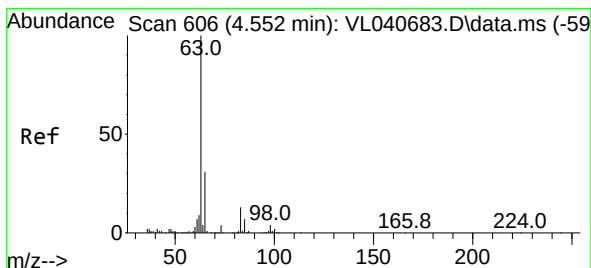
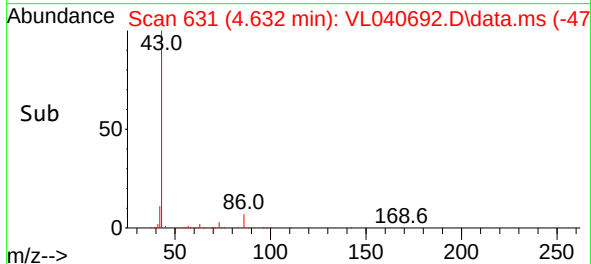
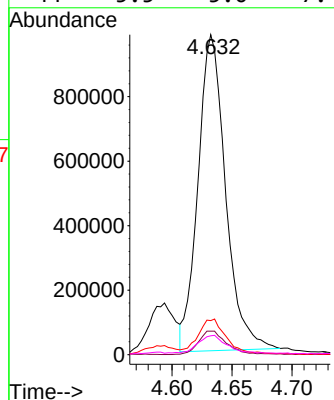
#23
 Vinyl Acetate
 Concen: 9.435 ppbv
 RT: 4.632 min Scan# 611
 Delta R.T. 0.000 min
 Lab File: VL040692.D
 Acq: 18 Sep 2023 9:25

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion: 43 Resp: 1570934

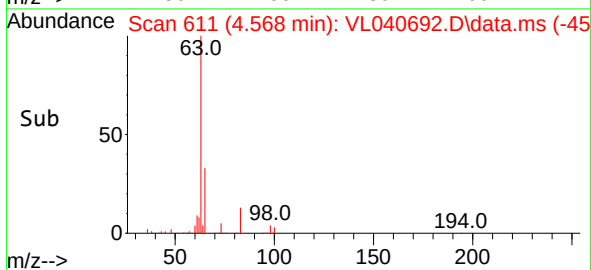
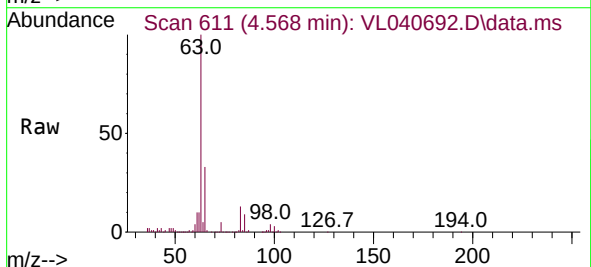
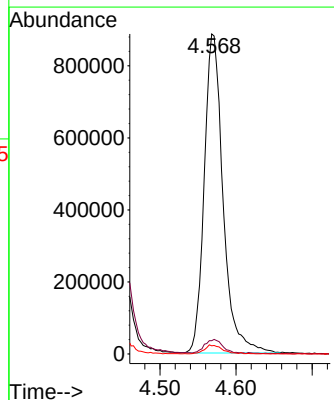
Ion	Ratio	Lower	Upper
43	100		
86	7.3	5.6	8.4
42	10.6	7.6	11.4
44	5.5	5.0	7.4

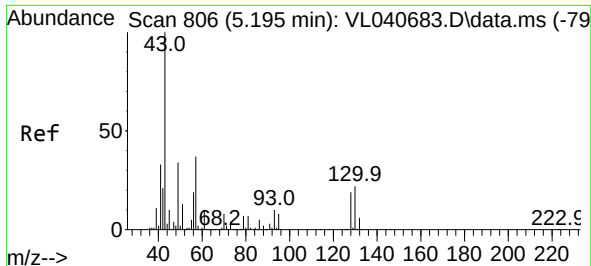


#24
 1,1-Dichloroethane
 Concen: 9.800 ppbv
 RT: 4.568 min Scan# 611
 Delta R.T. 0.000 min
 Lab File: VL040692.D
 Acq: 18 Sep 2023 9:25

Tgt Ion: 63 Resp: 1526976

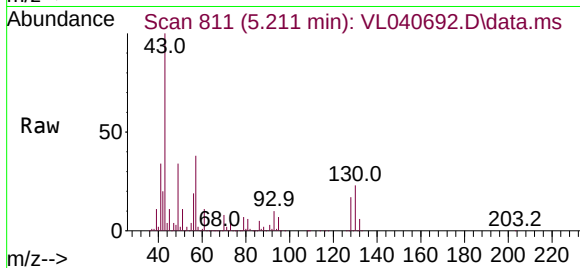
Ion	Ratio	Lower	Upper
63	100		
98	4.0	1.8	5.5
100	2.5	1.2	3.6





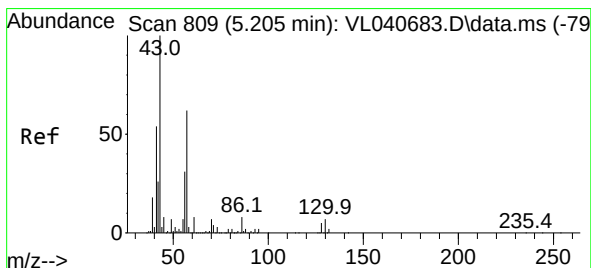
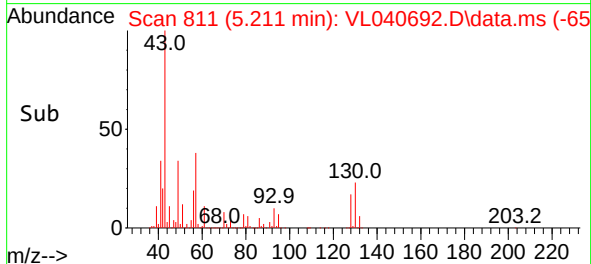
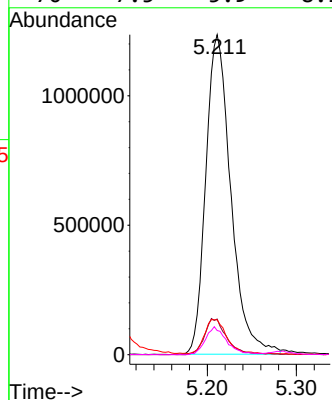
#25
Ethyl Acetate
Concen: 9.264 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.000 min
Lab File: VL040692.D
Acq: 18 Sep 2023 9:25

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion: 43 Resp: 2405478

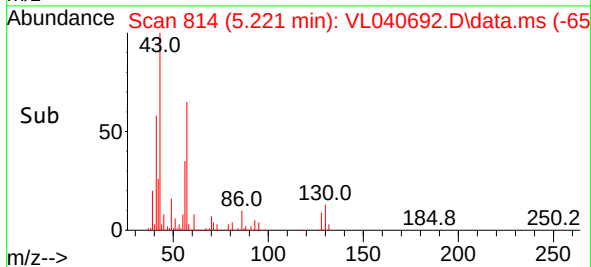
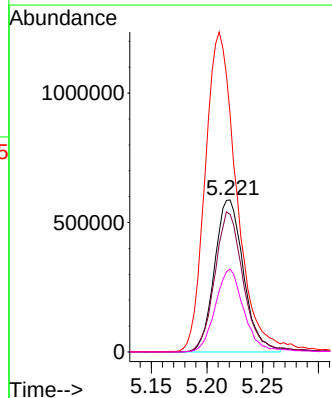
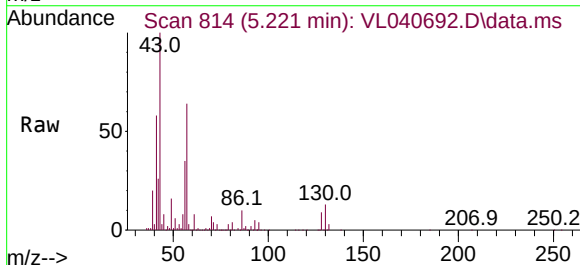
Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.2	12.4
61	10.5	8.2	12.4
70	7.5	5.9	8.9

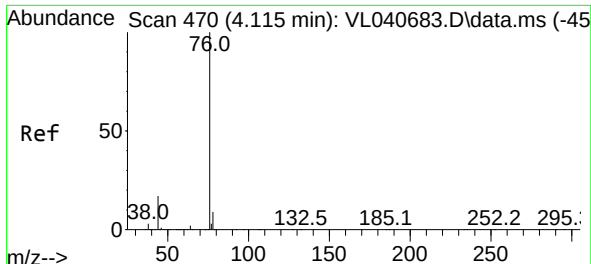


#26
Hexane
Concen: 8.644 ppbv
RT: 5.221 min Scan# 814
Delta R.T. 0.000 min
Lab File: VL040692.D
Acq: 18 Sep 2023 9:25

Tgt Ion: 57 Resp: 1061327

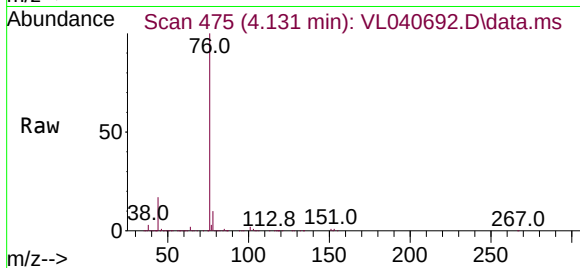
Ion	Ratio	Lower	Upper
57	100		
41	92.5	75.2	112.8
43	230.3	185.6	278.4
56	54.4	43.8	65.8





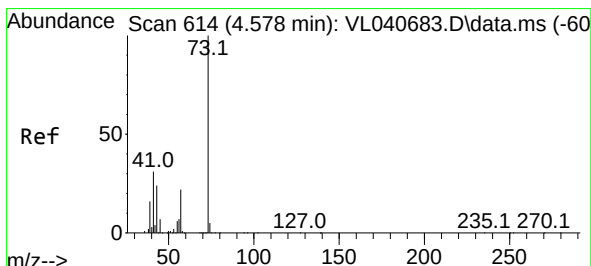
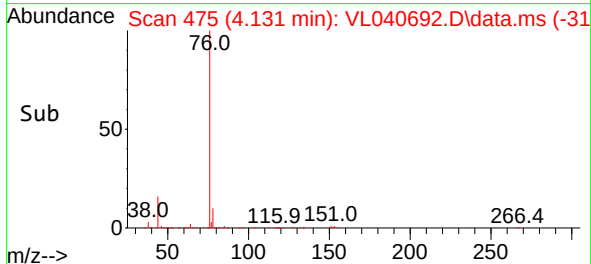
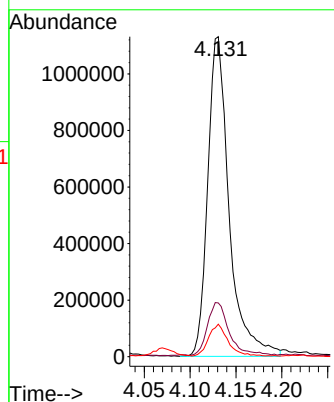
#27
Carbon Disulfide
Concen: 10.723 ppbv
RT: 4.131 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL040692.D
Acq: 18 Sep 2023 9:25

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion: 76 Resp: 1836024

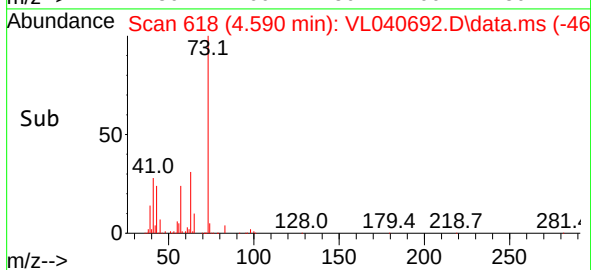
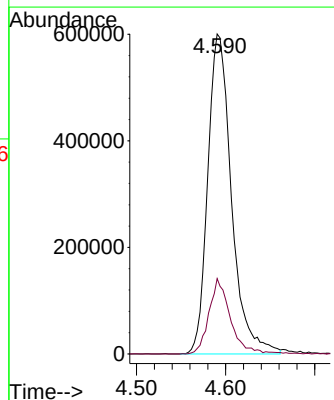
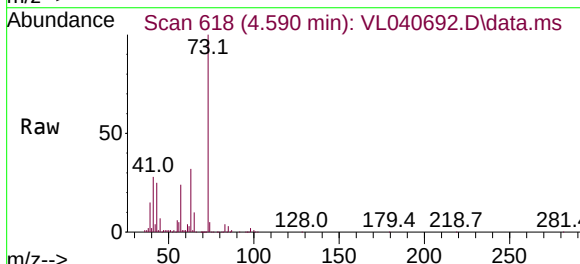
Ion	Ratio	Lower	Upper
76	100		
44	17.6	14.5	21.7
78	9.5	7.7	11.5

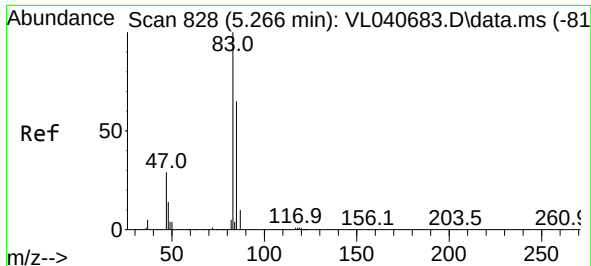


#28
Methyl tert-Butyl Ether
Concen: 10.519 ppbv
RT: 4.590 min Scan# 618
Delta R.T. 0.000 min
Lab File: VL040692.D
Acq: 18 Sep 2023 9:25

Tgt Ion: 73 Resp: 1111128

Ion	Ratio	Lower	Upper
73	100		
57	21.5	18.8	28.2

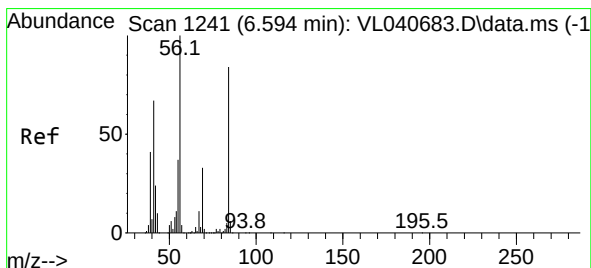
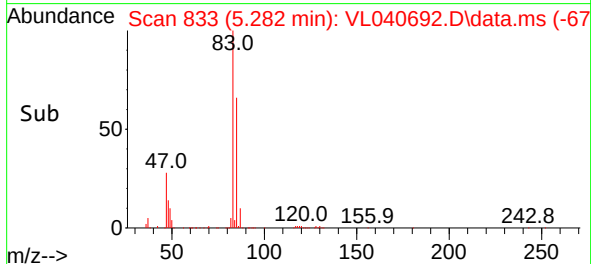
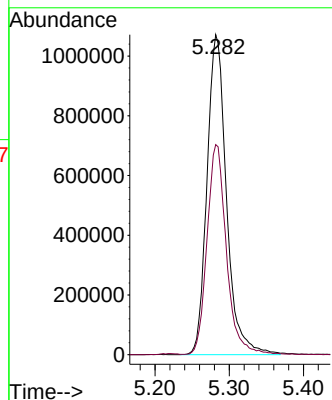
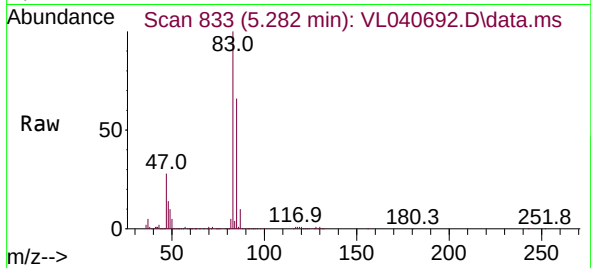




#29
Chloroform
Concen: 9.198 ppbv
RT: 5.282 min Scan# 81
Delta R.T. 0.000 min
Lab File: VL040692.D
Acq: 18 Sep 2023 9:25

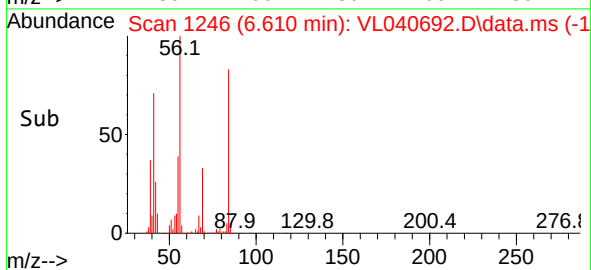
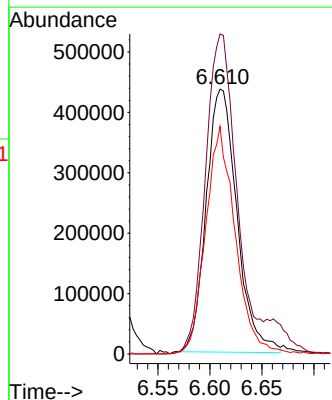
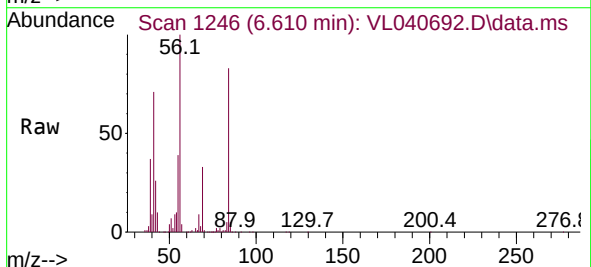
Instrument :
MSVOA_L
ClientSampleId :

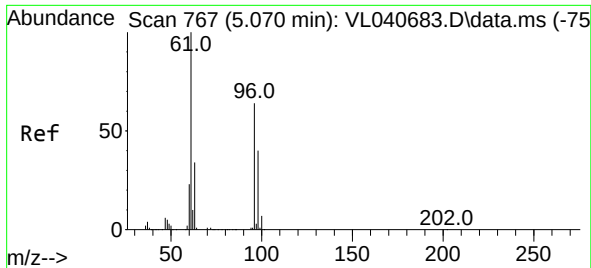
Tgt Ion: 83 Resp: 1949841
Ion Ratio Lower Upper
83 100
85 65.5 51.8 77.8



#30
Cyclohexane
Concen: 9.710 ppbv
RT: 6.610 min Scan# 1246
Delta R.T. 0.000 min
Lab File: VL040692.D
Acq: 18 Sep 2023 9:25

Tgt Ion: 84 Resp: 897790
Ion Ratio Lower Upper
84 100
56 132.9 103.2 154.8
41 83.1 65.5 98.3

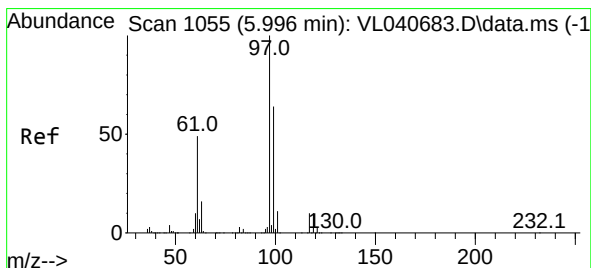
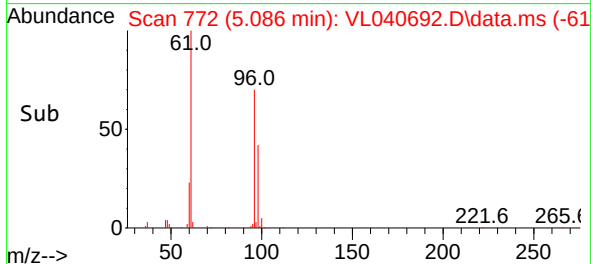
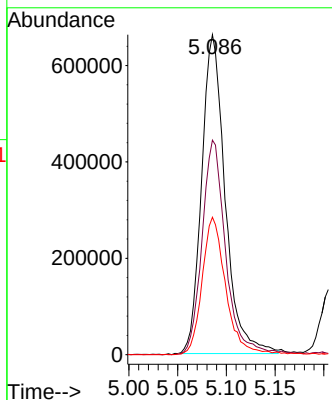
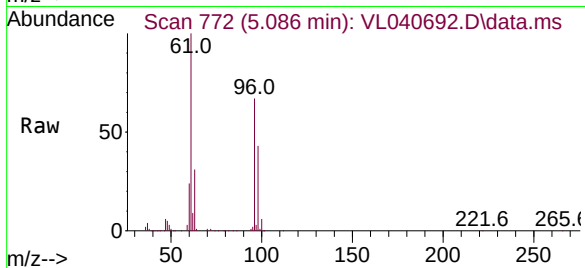




#31
 cis-1,2-Dichloroethene
 Concen: 9.748 ppbv
 RT: 5.086 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VL040692.D
 Acq: 18 Sep 2023 9:25

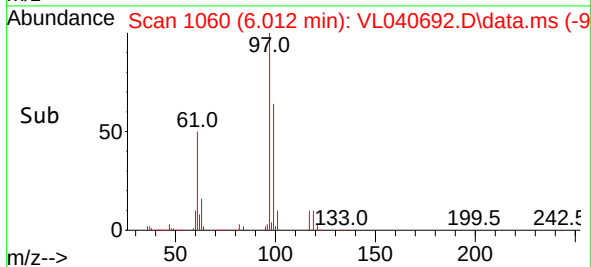
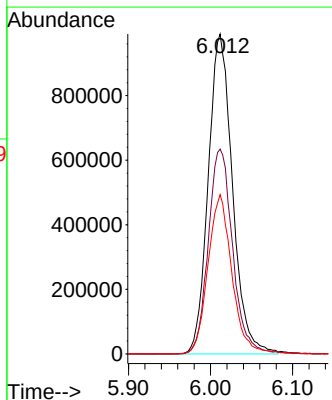
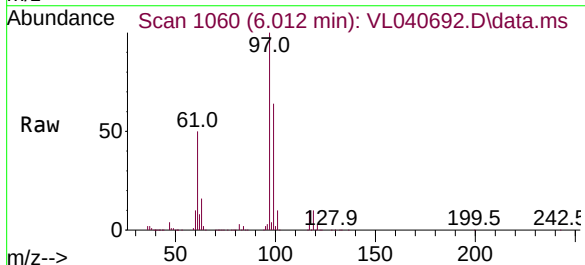
Instrument :
 MSVOA_L
 ClientSampleId :

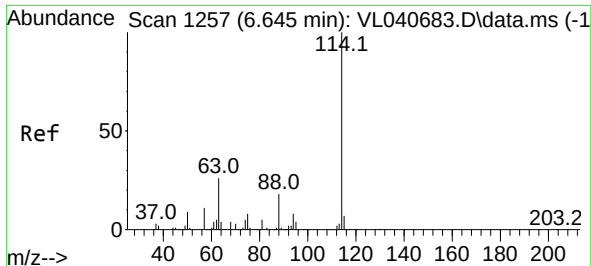
Tgt Ion: 61 Resp: 1110383
 Ion Ratio Lower Upper
 61 100
 96 67.1 51.2 76.8
 98 42.9 32.3 48.5



#32
 1,1,1-Trichloroethane
 Concen: 9.414 ppbv
 RT: 6.012 min Scan# 1060
 Delta R.T. 0.000 min
 Lab File: VL040692.D
 Acq: 18 Sep 2023 9:25

Tgt Ion: 97 Resp: 2040192
 Ion Ratio Lower Upper
 97 100
 99 64.5 52.4 78.6
 61 49.4 40.2 60.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.661 min Scan# 1

Delta R.T. 0.000 min

Lab File: VL040692.D

Acq: 18 Sep 2023 9:25

Instrument :

MSVOA_L

ClientSampleId :

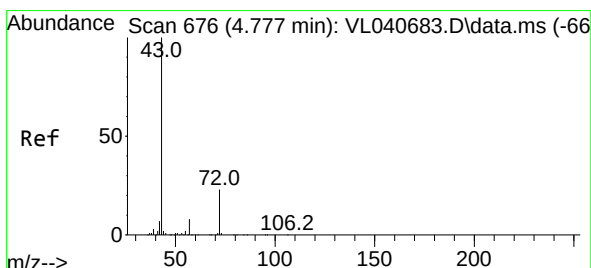
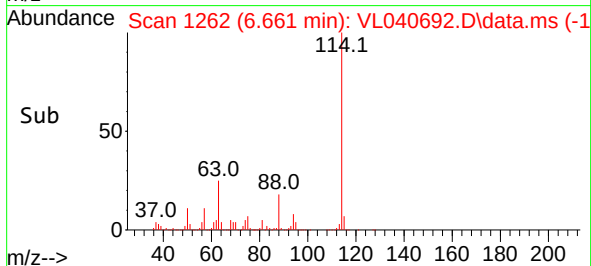
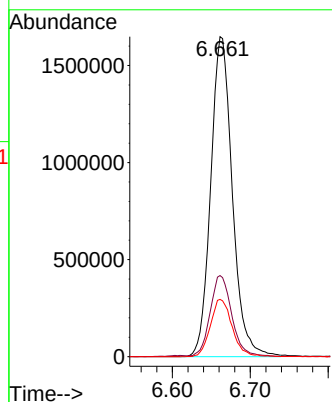
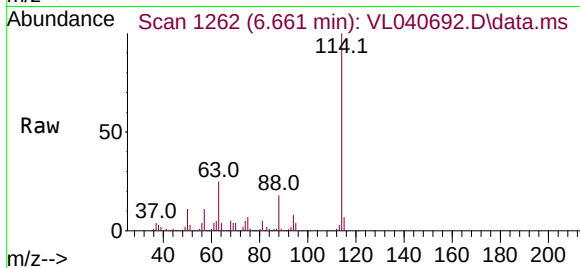
Tgt Ion:114 Resp: 3179461

Ion Ratio Lower Upper

114 100

63 25.9 21.1 31.7

88 18.1 14.5 21.7



#34

2-Butanone

Concen: 8.818 ppbv

RT: 4.790 min Scan# 680

Delta R.T. 0.000 min

Lab File: VL040692.D

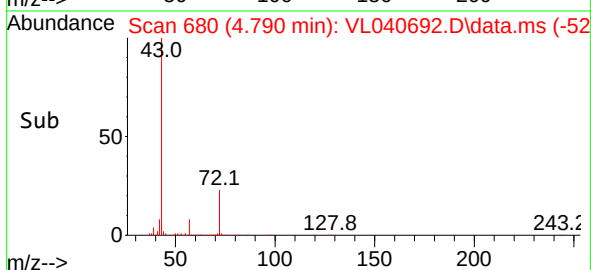
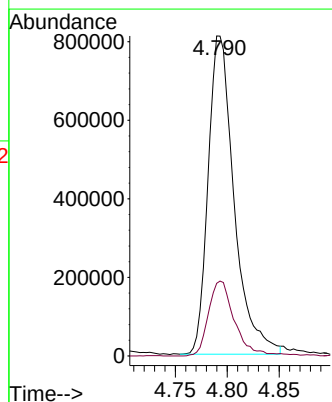
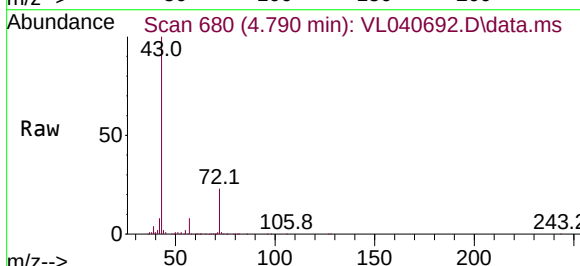
Acq: 18 Sep 2023 9:25

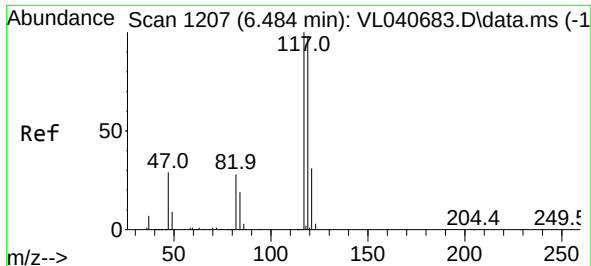
Tgt Ion: 43 Resp: 1409943

Ion Ratio Lower Upper

43 100

72 24.0 18.6 27.8

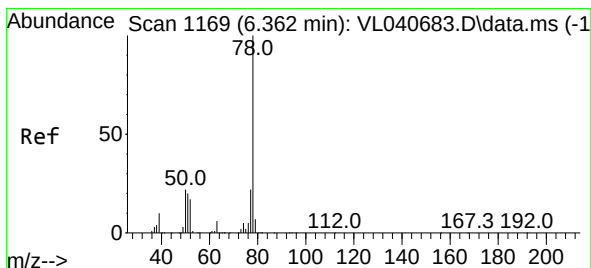
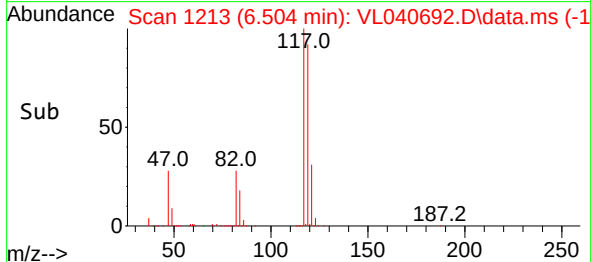
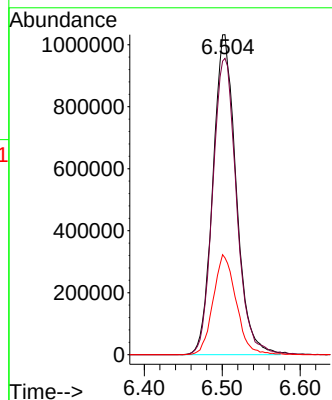
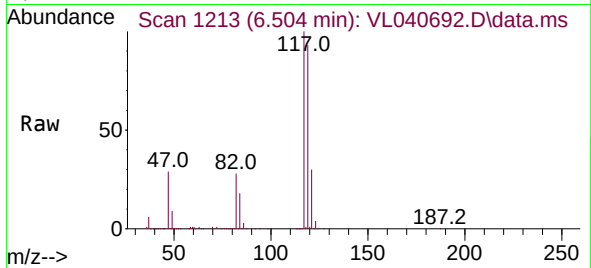




#35
Carbon Tetrachloride
Concen: 9.795 ppbv
RT: 6.504 min Scan# 1175
Delta R.T. 0.000 min
Lab File: VL040692.D
Acq: 18 Sep 2023 9:25

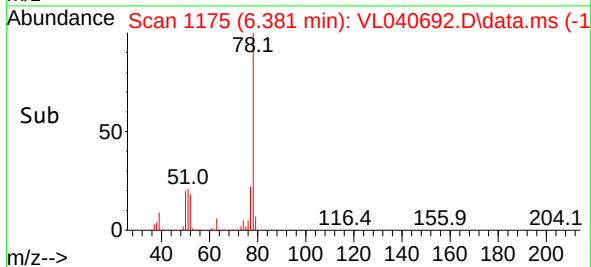
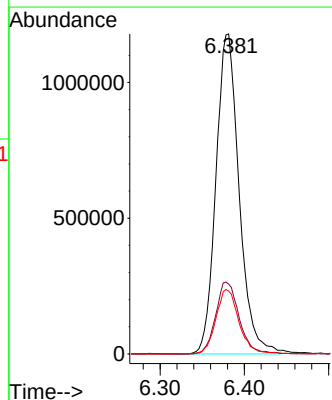
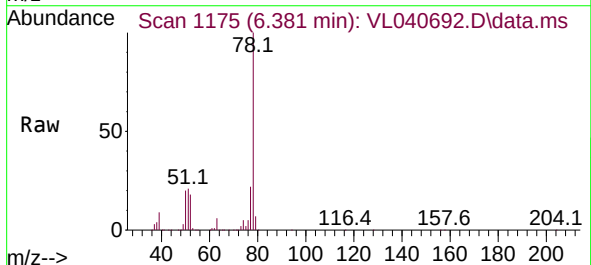
Instrument :
MSVOA_L
ClientSampleId :

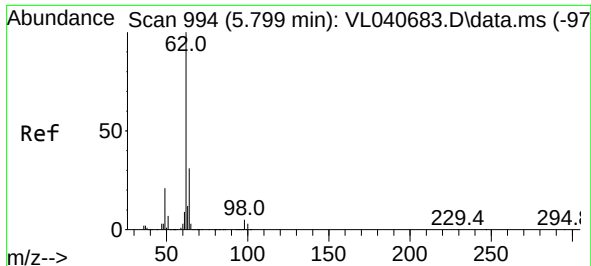
Tgt Ion:117 Resp: 2138411
Ion Ratio Lower Upper
117 100
119 92.5 78.6 117.8
121 30.3 24.7 37.1



#36
Benzene
Concen: 9.543 ppbv
RT: 6.381 min Scan# 1175
Delta R.T. 0.000 min
Lab File: VL040692.D
Acq: 18 Sep 2023 9:25

Tgt Ion: 78 Resp: 2246736
Ion Ratio Lower Upper
78 100
77 21.9 17.9 26.9
50 19.7 17.3 25.9





#37

1,2-Dichloroethane

Concen: 9.291 ppbv

RT: 5.815 min Scan# 994

Delta R.T. 0.000 min

Lab File: VL040692.D

Acq: 18 Sep 2023 9:25

Instrument :

MSVOA_L

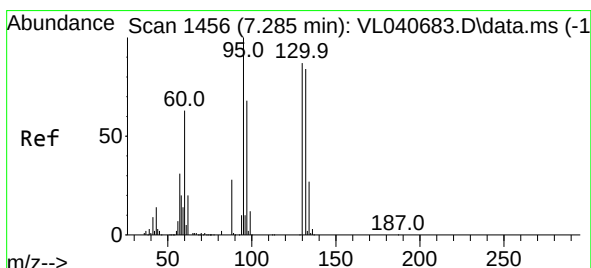
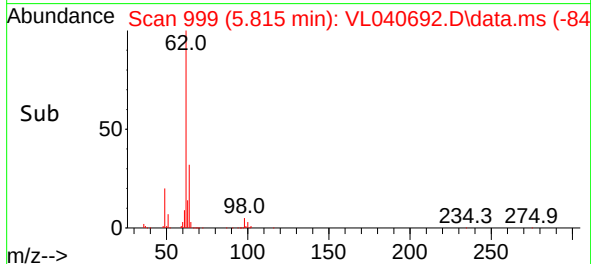
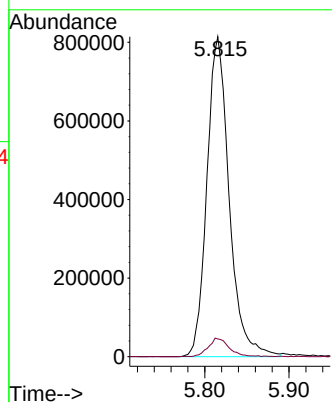
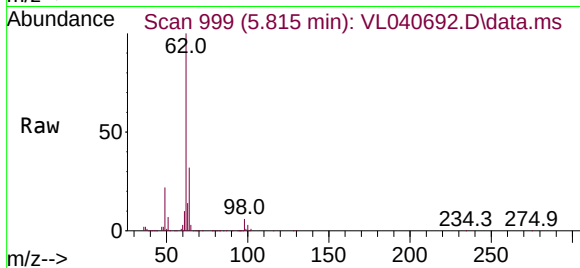
ClientSampleId :

Tgt Ion: 62 Resp: 1497137

Ion Ratio Lower Upper

62 100

98 5.6 4.2 6.4



#38

Trichloroethene

Concen: 10.505 ppbv

RT: 7.301 min Scan# 1461

Delta R.T. 0.000 min

Lab File: VL040692.D

Acq: 18 Sep 2023 9:25

Tgt Ion:130 Resp: 943184

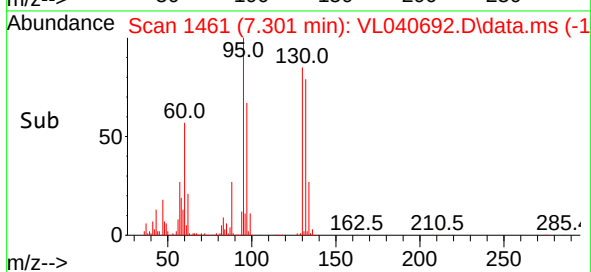
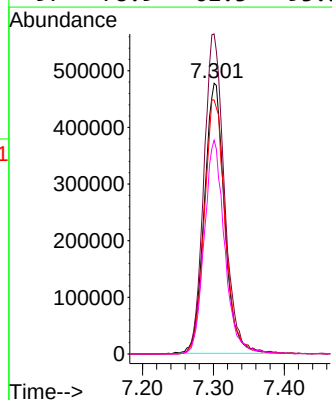
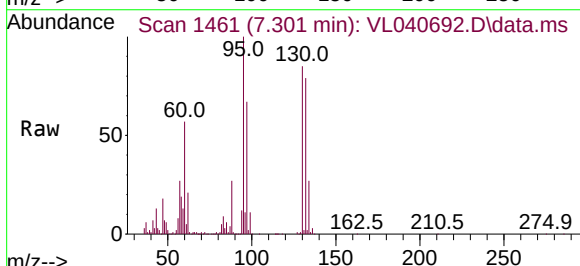
Ion Ratio Lower Upper

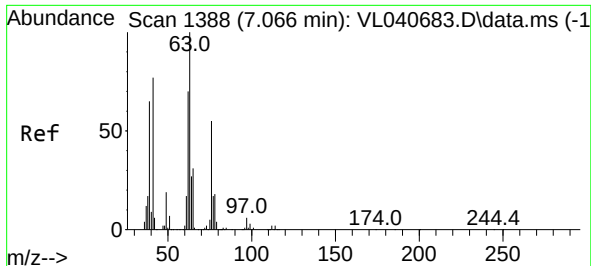
130 100

95 118.4 91.9 137.9

132 94.0 77.3 115.9

97 78.9 62.3 93.5





#39

1,2-Dichloropropane

Concen: 9.448 ppbv

RT: 7.082 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL040692.D

Acq: 18 Sep 2023 9:25

Instrument :

MSVOA_L

ClientSampleId :

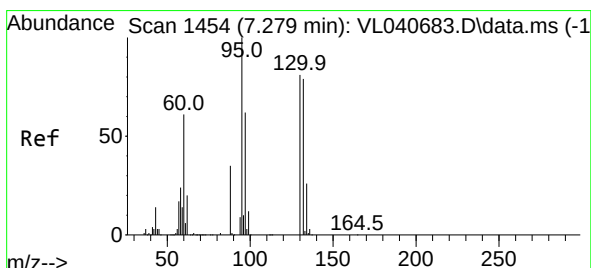
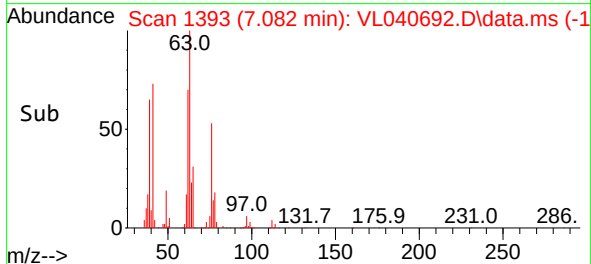
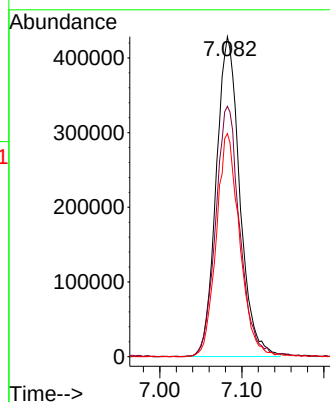
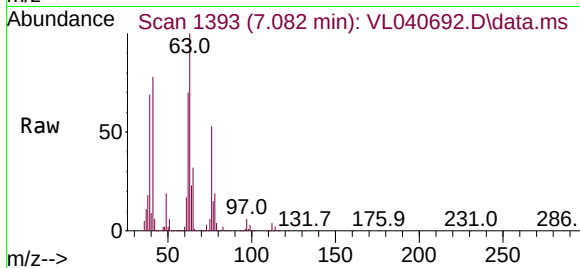
Tgt Ion: 63 Resp: 856244

Ion Ratio Lower Upper

63 100

41 78.3 61.6 92.4

62 69.7 55.8 83.8



#40

1,4-Dioxane

Concen: 10.725 ppbv

RT: 7.295 min Scan# 1459

Delta R.T. 0.000 min

Lab File: VL040692.D

Acq: 18 Sep 2023 9:25

Tgt Ion: 88 Resp: 367441

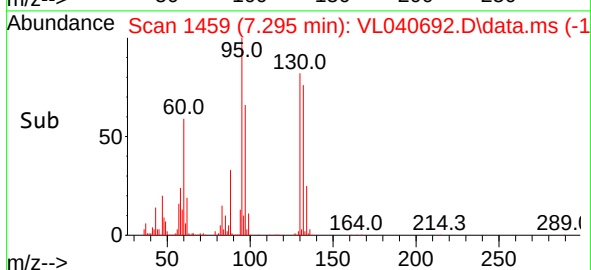
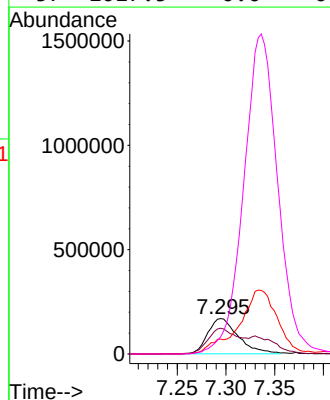
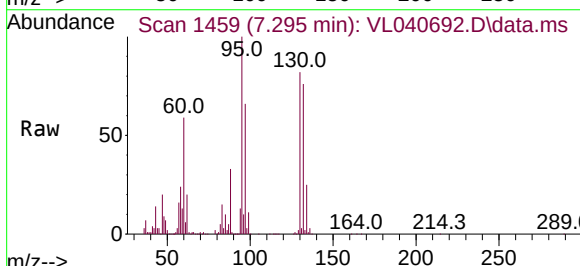
Ion Ratio Lower Upper

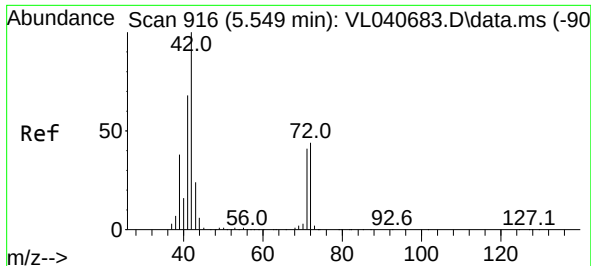
88 100

58 116.9 92.7 139.1

43 230.8 0.0 0.0#

57 1017.5 0.0 0.0#

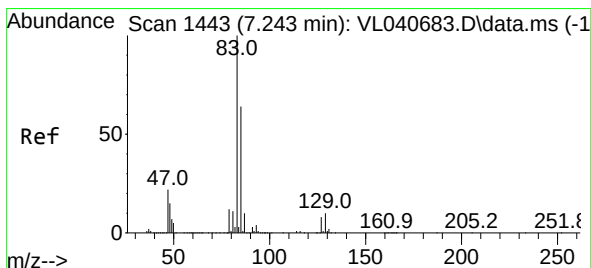
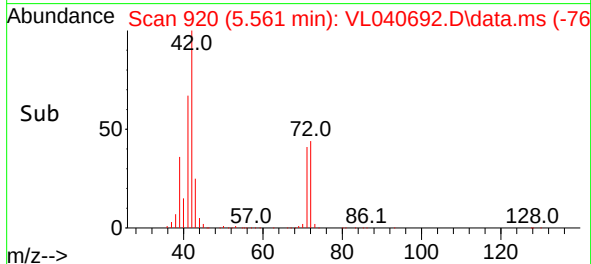
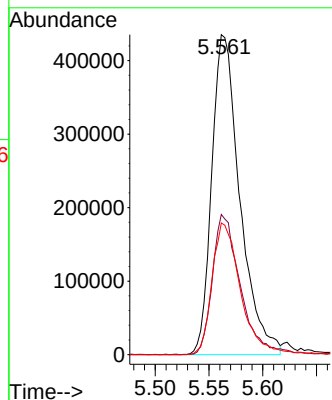
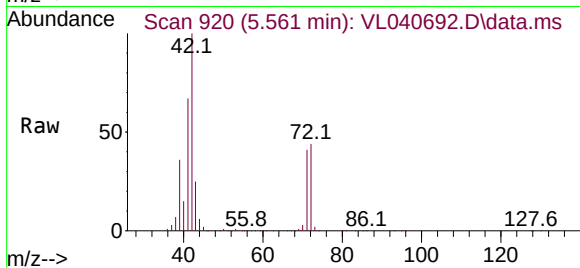




#41
Tetrahydrofuran
Concen: 9.649 ppbv
RT: 5.561 min Scan# 916
Delta R.T. 0.000 min
Lab File: VL040692.D
Acq: 18 Sep 2023 9:25

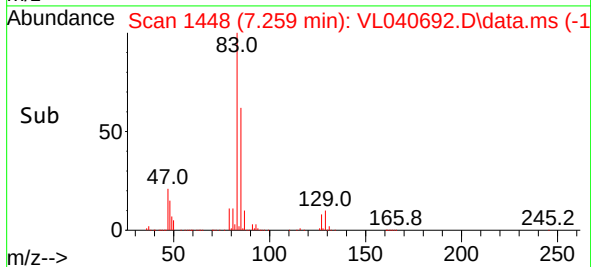
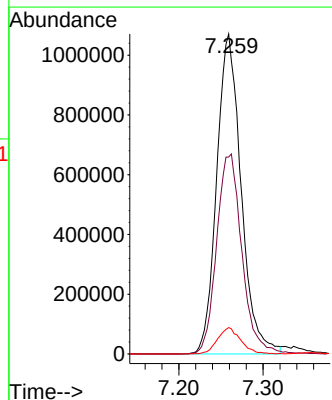
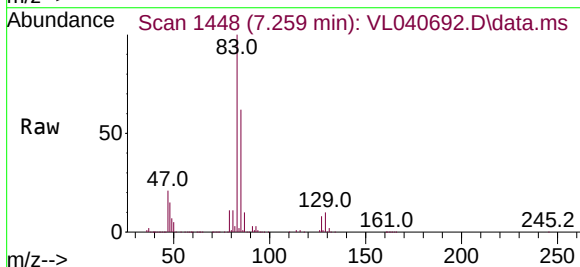
Instrument :
MSVOA_L
ClientSampleId :

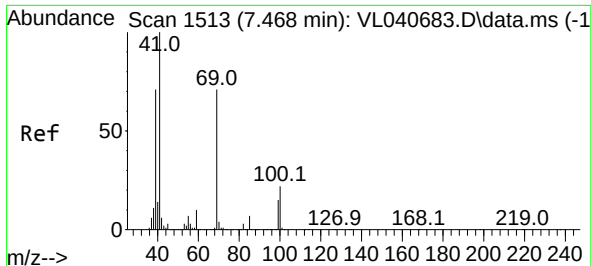
Tgt Ion: 42 Resp: 791152
Ion Ratio Lower Upper
42 100
72 44.0 34.9 52.3
71 42.3 33.8 50.8



#42
Bromodichloromethane
Concen: 9.793 ppbv
RT: 7.259 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VL040692.D
Acq: 18 Sep 2023 9:25

Tgt Ion: 83 Resp: 2153178
Ion Ratio Lower Upper
83 100
85 61.5 51.2 76.8
127 8.2 6.2 9.4

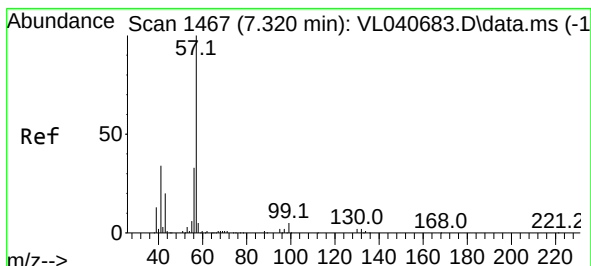
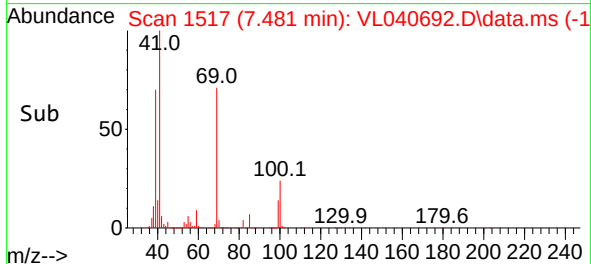
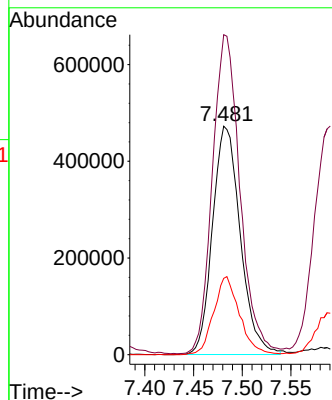
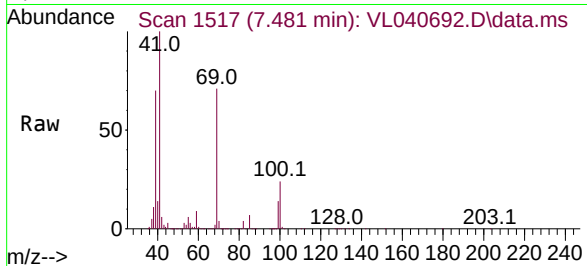




#43
Methyl Methacrylate
Concen: 10.688 ppbv
RT: 7.481 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL040692.D
Acq: 18 Sep 2023 9:25

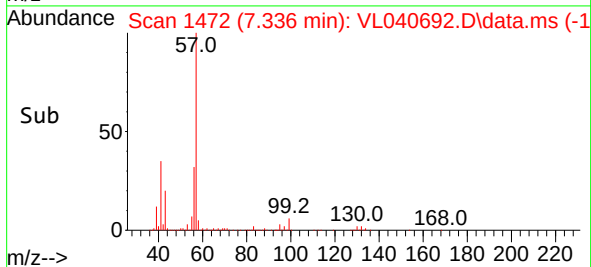
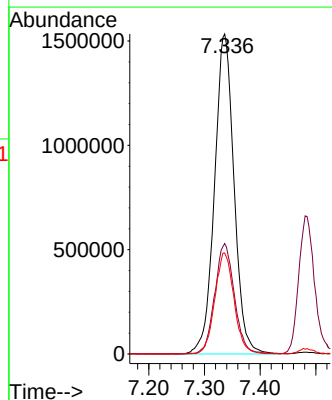
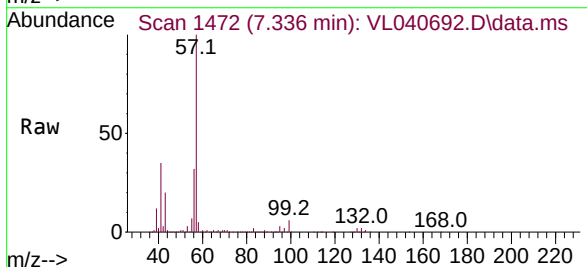
Instrument :
MSVOA_L
ClientSampleId :

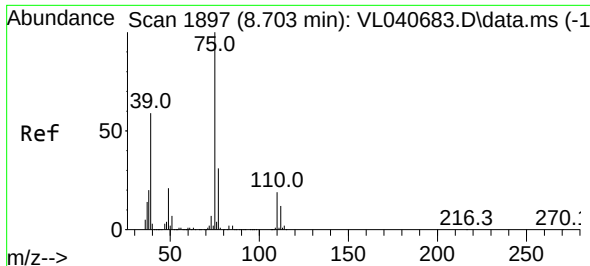
Tgt Ion: 69 Resp: 935311
Ion Ratio Lower Upper
69 100
41 139.9 113.8 170.8
100 31.9 25.4 38.0



#44
2,2,4-Trimethylpentane
Concen: 9.970 ppbv
RT: 7.336 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VL040692.D
Acq: 18 Sep 2023 9:25

Tgt Ion: 57 Resp: 3737430
Ion Ratio Lower Upper
57 100
41 34.7 28.5 42.7
56 31.1 25.4 38.2

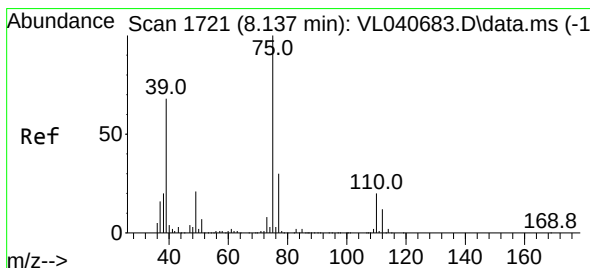
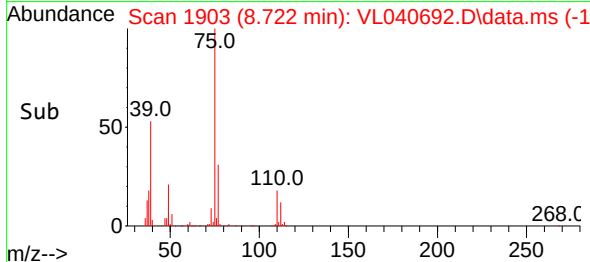
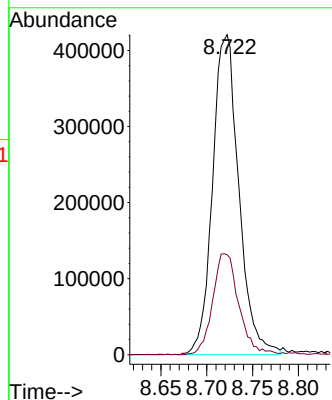
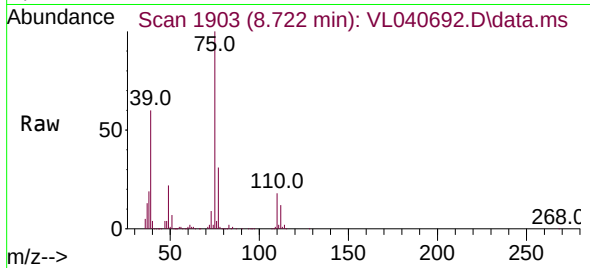




#45
t-1,3-Dichloropropene
Concen: 12.346 ppbv
RT: 8.722 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VL040692.D
Acq: 18 Sep 2023 9:25

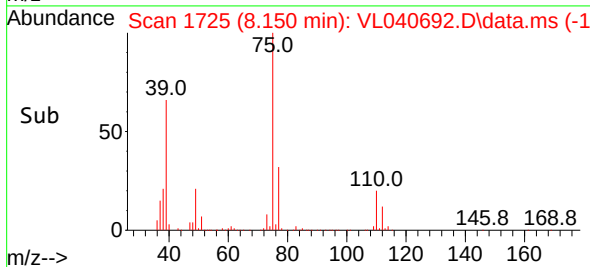
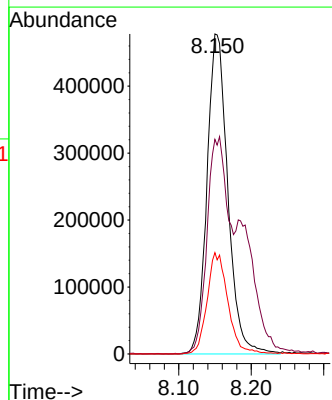
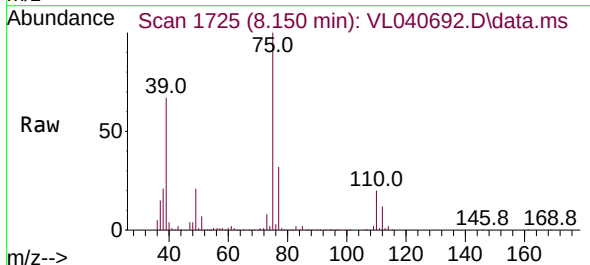
Instrument :
MSVOA_L
ClientSampleId :

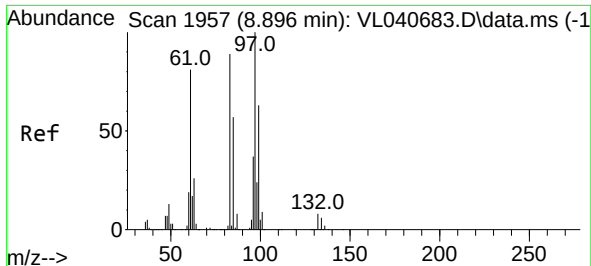
Tgt Ion: 75 Resp: 837818
Ion Ratio Lower Upper
75 100
77 31.2 24.5 36.7



#46
cis-1,3-Dichloropropene
Concen: 11.478 ppbv
RT: 8.150 min Scan# 1725
Delta R.T. 0.000 min
Lab File: VL040692.D
Acq: 18 Sep 2023 9:25

Tgt Ion: 75 Resp: 953015
Ion Ratio Lower Upper
75 100
39 67.0 54.0 81.0
77 31.6 23.6 35.4

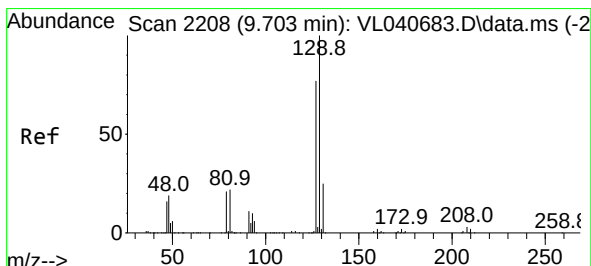
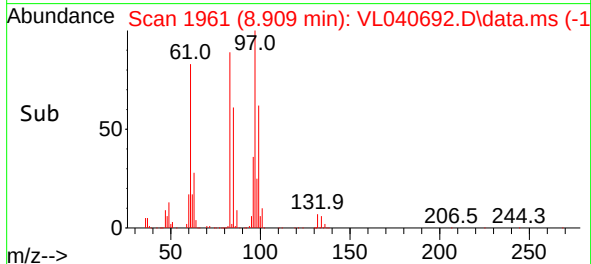
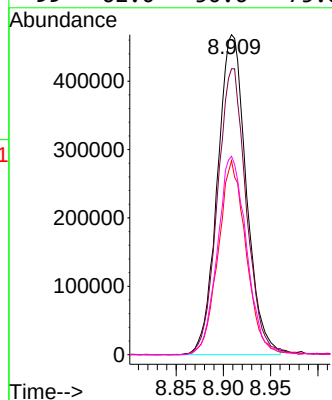
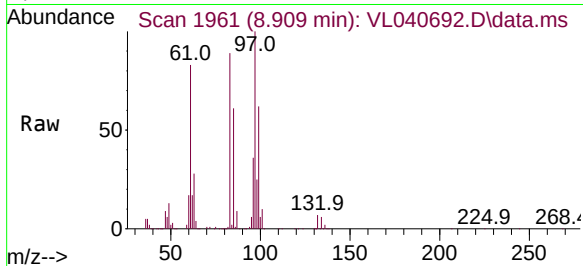




#47
1,1,2-Trichloroethane
Concen: 9.545 ppbv
RT: 8.909 min Scan# 1957
Delta R.T. 0.000 min
Lab File: VL040692.D
Acq: 18 Sep 2023 9:25

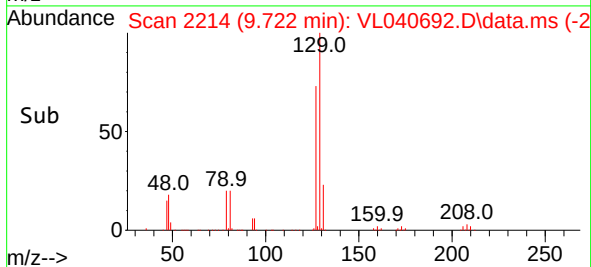
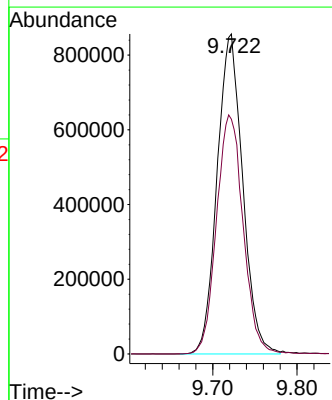
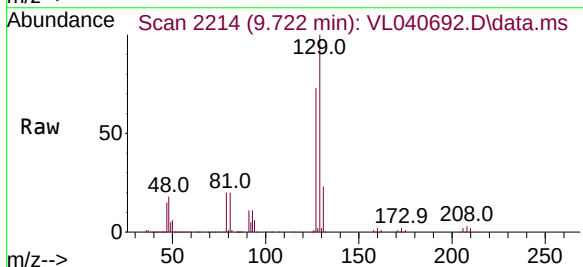
Instrument :
MSVOA_L
ClientSampleId :

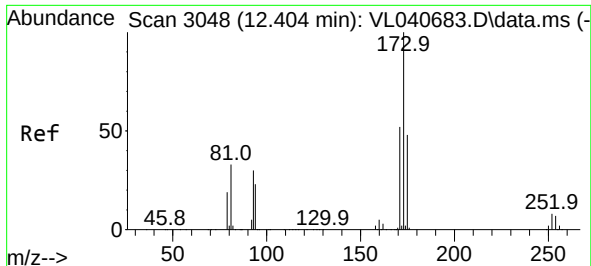
Tgt Ion: 97	Resp: 992722
Ion Ratio	Lower Upper
97 100	
83 89.3	70.8 106.2
85 60.6	45.7 68.5
99 62.0	50.6 75.8



#48
Dibromochloromethane
Concen: 10.503 ppbv
RT: 9.722 min Scan# 2214
Delta R.T. 0.000 min
Lab File: VL040692.D
Acq: 18 Sep 2023 9:25

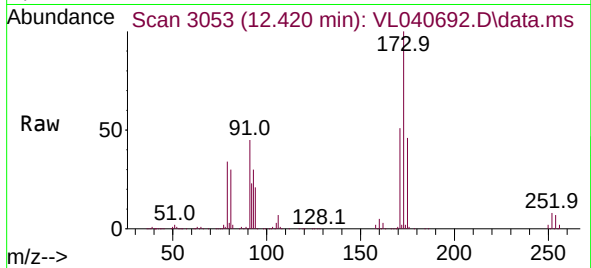
Tgt Ion:129	Resp: 1802040		
Ion	Ratio	Lower	Upper
129	100		
127	78.1	39.4	118.2



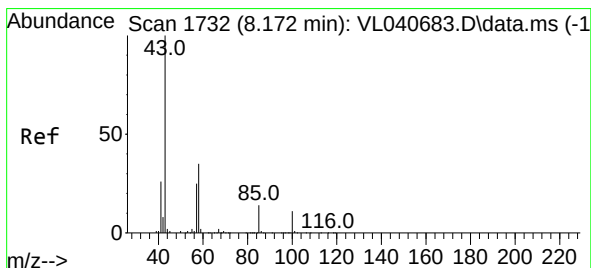
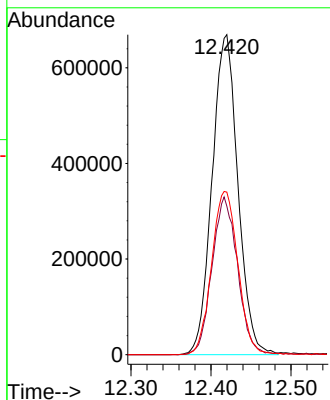
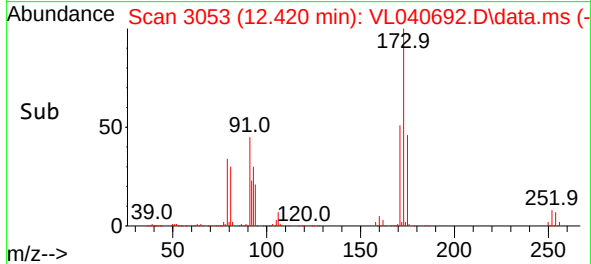


#49
Bromoform
Concen: 10.636 ppbv
RT: 12.420 min Scan# 3048
Delta R.T. 0.000 min
Lab File: VL040692.D
Acq: 18 Sep 2023 9:25

Instrument :
MSVOA_L
ClientSampleId :

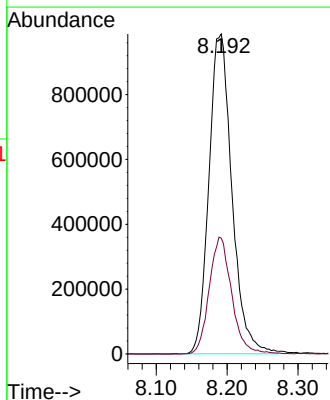
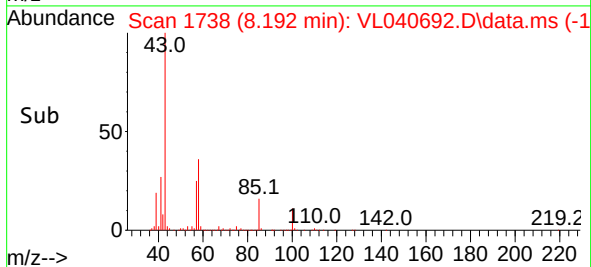
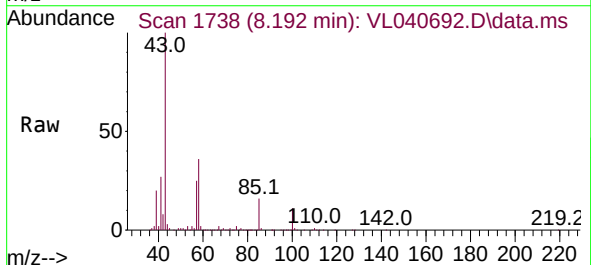


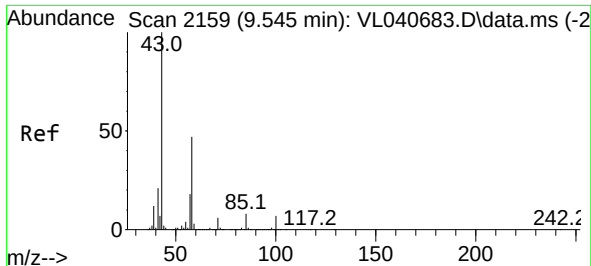
Tgt Ion:173 Resp: 1498634
Ion Ratio Lower Upper
173 100
175 49.1 38.8 58.2
171 52.3 42.2 63.2



#50
4-Methyl-2-Pentanone
Concen: 10.294 ppbv
RT: 8.192 min Scan# 1738
Delta R.T. 0.000 min
Lab File: VL040692.D
Acq: 18 Sep 2023 9:25

Tgt Ion: 43 Resp: 2224144
Ion Ratio Lower Upper
43 100
58 35.7 28.2 42.4

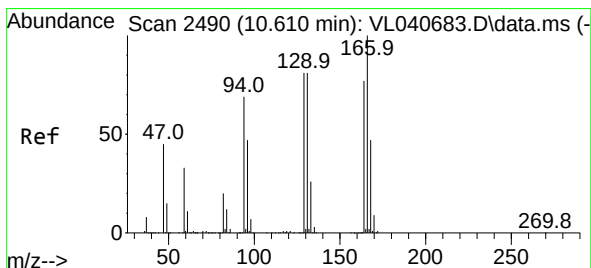
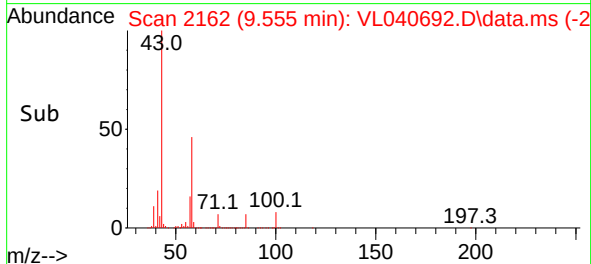
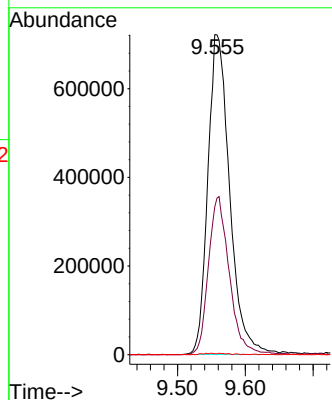
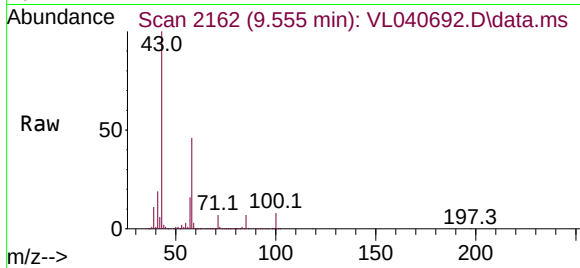




#51
2-Hexanone
Concen: 10.816 ppbv
RT: 9.555 min Scan# 2159
Delta R.T. 0.000 min
Lab File: VL040692.D
Acq: 18 Sep 2023 9:25

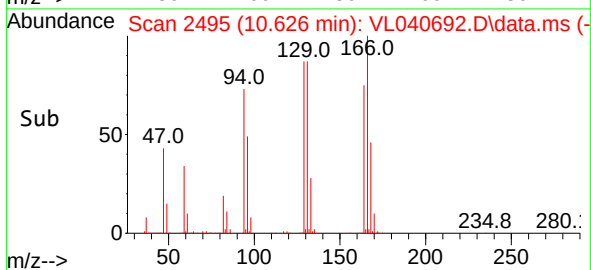
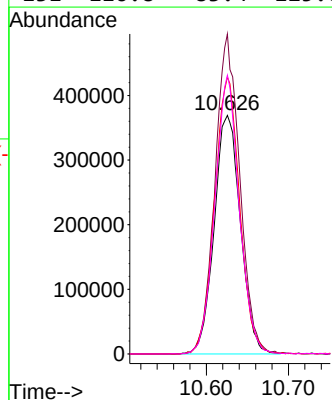
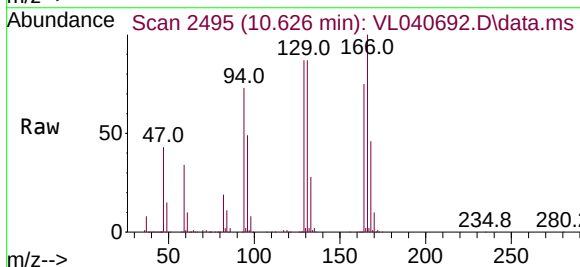
Instrument :
MSVOA_L
ClientSampleId :

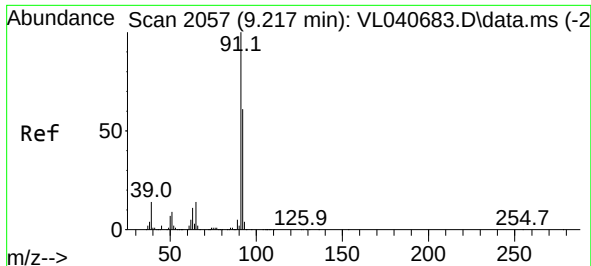
Tgt Ion: 43 Resp: 1613068
Ion Ratio Lower Upper
43 100
58 47.5 37.6 56.4
98 0.5 0.6 1.0#



#52
Tetrachloroethene
Concen: 10.693 ppbv
RT: 10.626 min Scan# 2495
Delta R.T. 0.000 min
Lab File: VL040692.D
Acq: 18 Sep 2023 9:25

Tgt Ion: 164 Resp: 821214
Ion Ratio Lower Upper
164 100
166 134.0 103.4 155.2
129 116.1 83.5 125.3
131 116.8 83.4 125.0

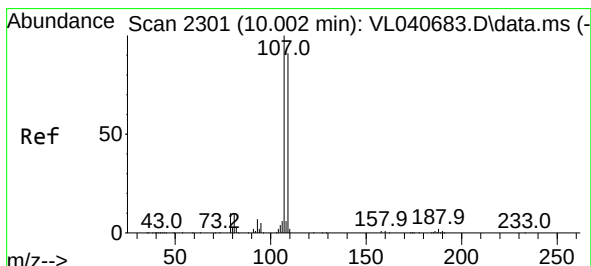
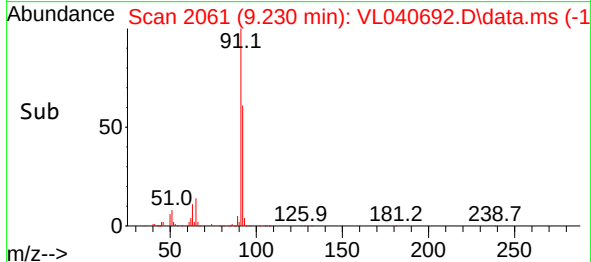
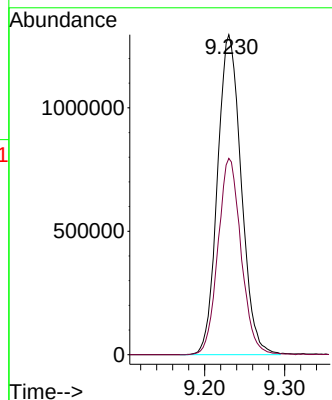
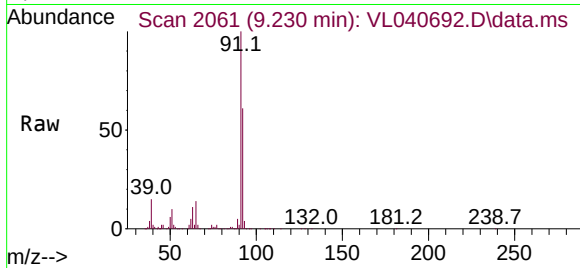




#53
Toluene
Concen: 10.727 ppbv
RT: 9.230 min Scan# 2057
Delta R.T. 0.000 min
Lab File: VL040692.D
Acq: 18 Sep 2023 9:25

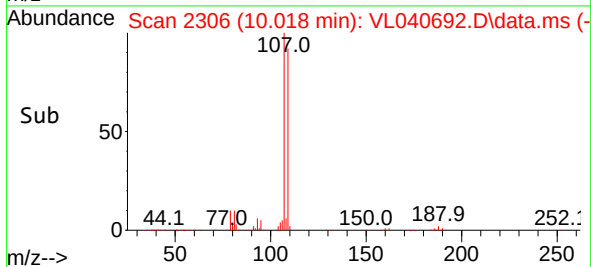
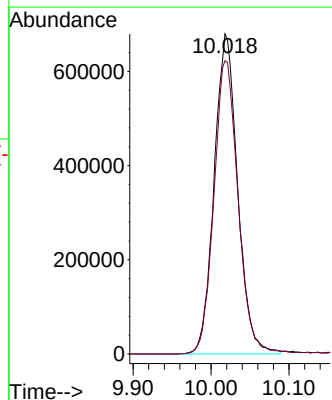
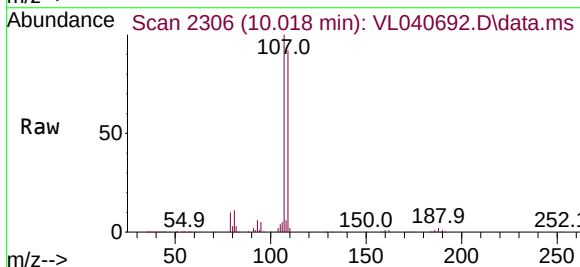
Instrument :
MSVOA_L
ClientSampleId :

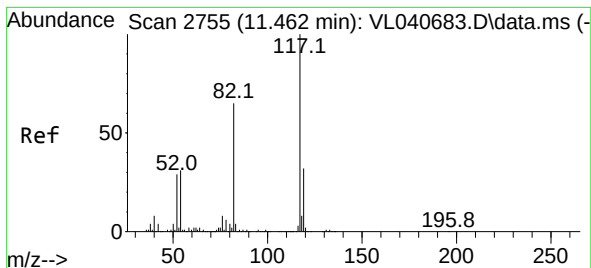
Tgt Ion: 91 Resp: 2666358
Ion Ratio Lower Upper
91 100
92 60.0 48.5 72.7



#54
1,2-Dibromoethane
Concen: 10.726 ppbv
RT: 10.018 min Scan# 2306
Delta R.T. 0.000 min
Lab File: VL040692.D
Acq: 18 Sep 2023 9:25

Tgt Ion: 107 Resp: 1423839
Ion Ratio Lower Upper
107 100
109 91.7 72.4 108.6

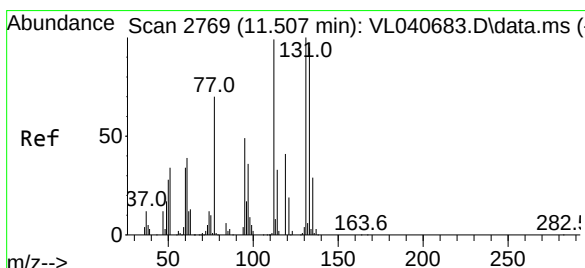
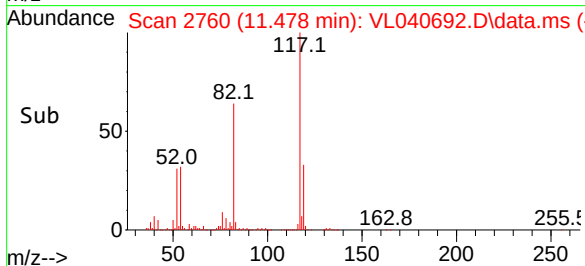
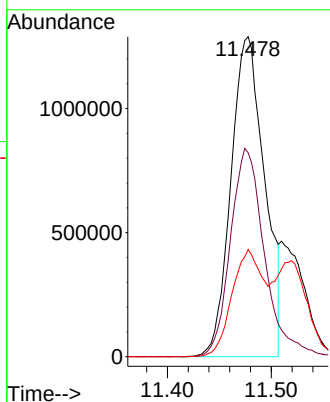
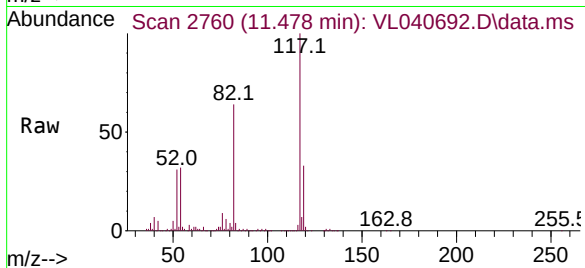




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.478 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL040692.D
Acq: 18 Sep 2023 9:25

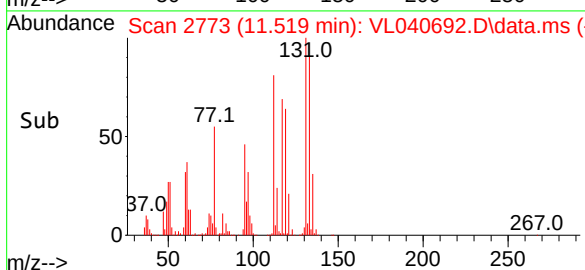
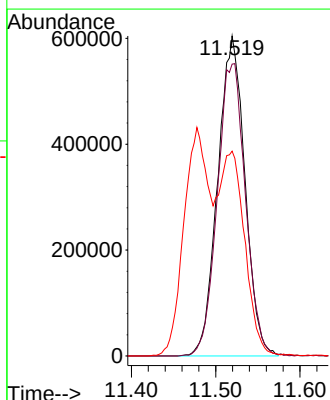
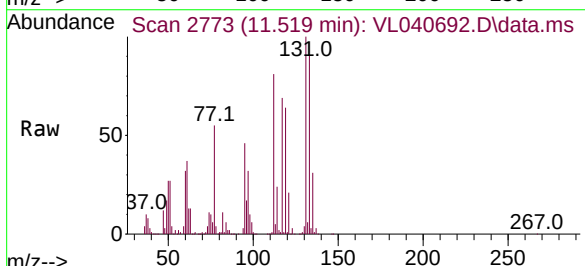
Instrument :
MSVOA_L
ClientSampleId :

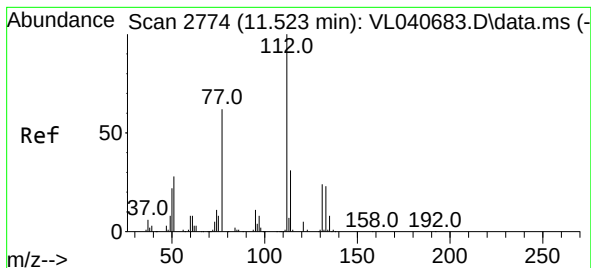
Tgt Ion:117 Resp: 2901222
Ion Ratio Lower Upper
117 100
82 66.4 51.4 77.0
119 31.1 24.7 37.1



#56
1,1,1,2-Tetrachloroethane
Concen: 9.771 ppbv
RT: 11.519 min Scan# 2773
Delta R.T. 0.000 min
Lab File: VL040692.D
Acq: 18 Sep 2023 9:25

Tgt Ion:131 Resp: 1351312
Ion Ratio Lower Upper
131 100
133 94.8 76.2 114.2
119 58.5 45.5 68.3





#57

Chlorobenzene

Concen: 9.703 ppbv

RT: 11.536 min Scan# 21

Delta R.T. 0.000 min

Lab File: VL040692.D

Acq: 18 Sep 2023 9:25

Instrument :

MSVOA_L

ClientSampleId :

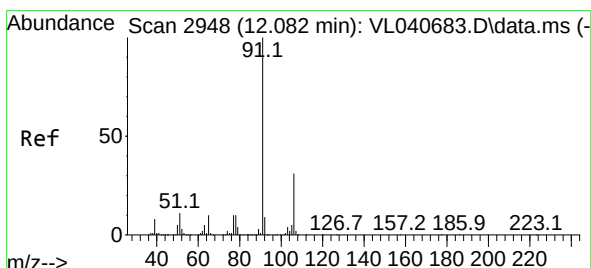
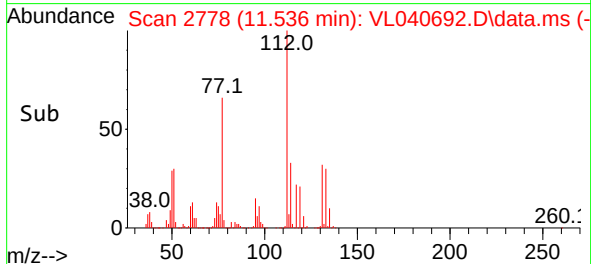
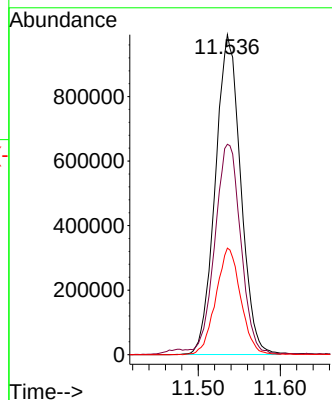
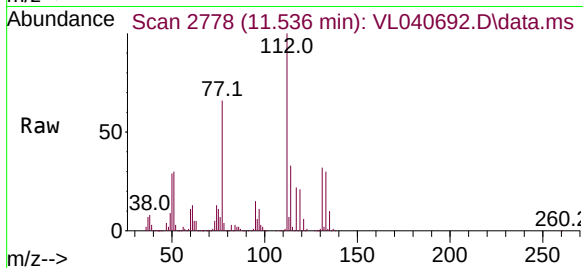
Tgt Ion:112 Resp: 2131799

Ion Ratio Lower Upper

112 100

77 65.5 50.8 76.2

114 33.2 28.2 34.4



#58

Ethyl Benzene

Concen: 11.034 ppbv

RT: 12.101 min Scan# 2954

Delta R.T. 0.000 min

Lab File: VL040692.D

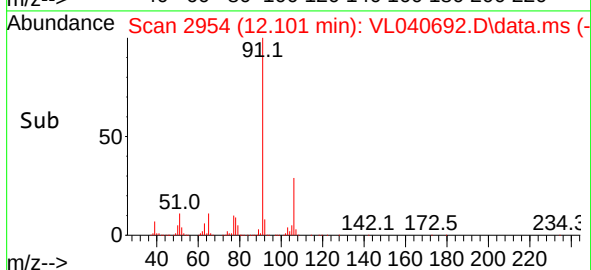
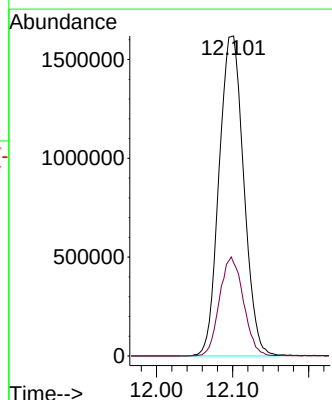
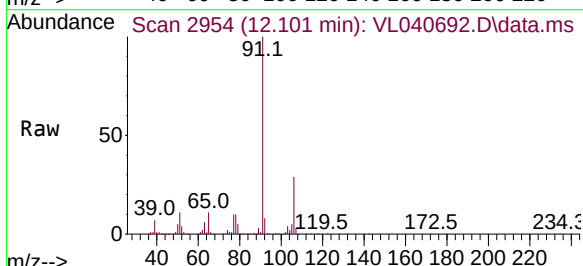
Acq: 18 Sep 2023 9:25

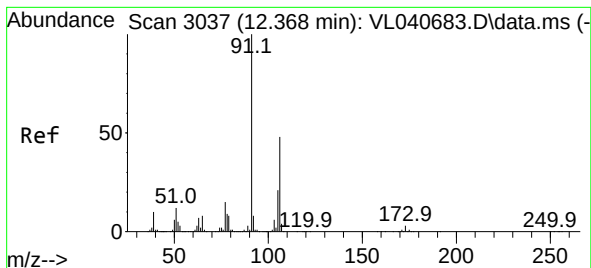
Tgt Ion: 91 Resp: 3649788

Ion Ratio Lower Upper

91 100

106 29.1 24.7 37.1

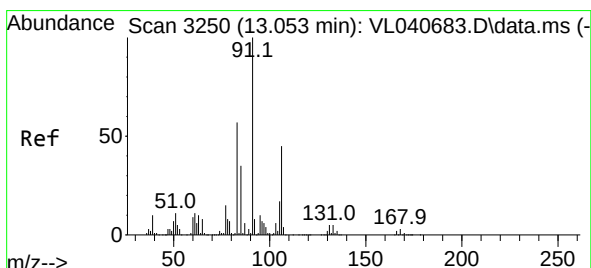
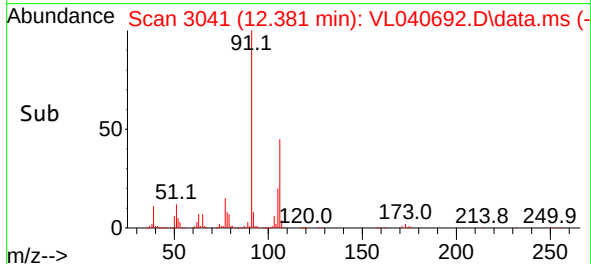
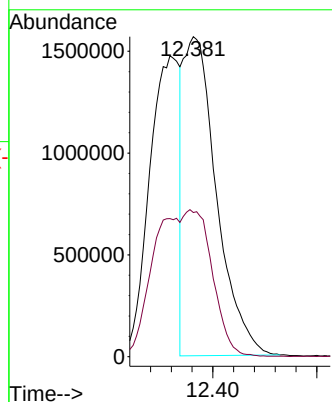
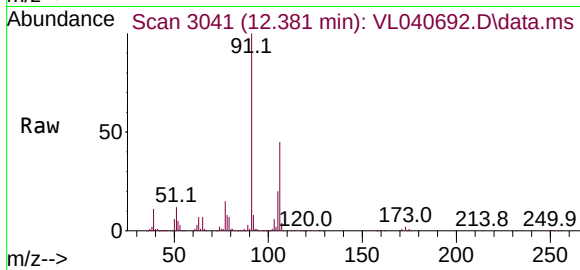




#59
m/p-Xylene
Concen: 11.150 ppbv
RT: 12.381 min Scan# 3037
Delta R.T. 0.000 min
Lab File: VL040692.D
Acq: 18 Sep 2023 9:25

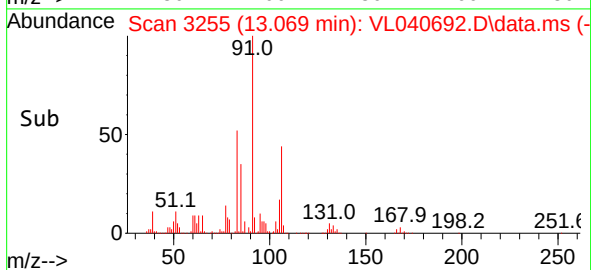
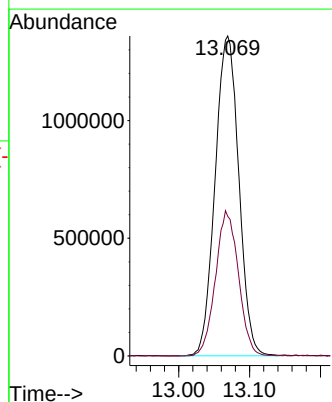
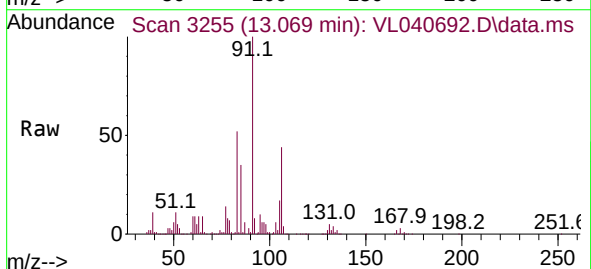
Instrument :
MSVOA_L
ClientSampleId :

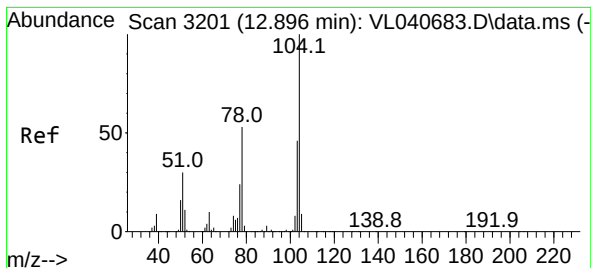
Tgt Ion: 91 Resp: 3463016
Ion Ratio Lower Upper
91 100
106 81.1 34.8 52.2#



#60
o-Xylene
Concen: 10.643 ppbv
RT: 13.069 min Scan# 3255
Delta R.T. 0.000 min
Lab File: VL040692.D
Acq: 18 Sep 2023 9:25

Tgt Ion: 91 Resp: 3152564
Ion Ratio Lower Upper
91 100
106 44.0 22.3 66.9





#61

Styrene

Concen: 12.077 ppbv

RT: 12.905 min Scan# 31

Delta R.T. 0.000 min

Lab File: VL040692.D

Acq: 18 Sep 2023 9:25

Instrument :

MSVOA_L

ClientSampleId :

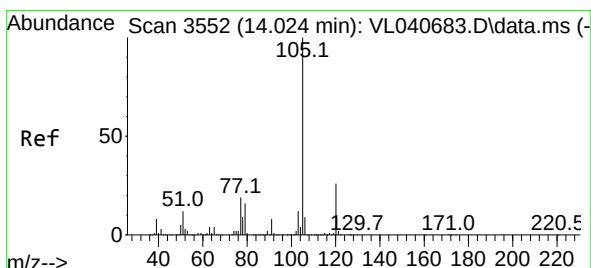
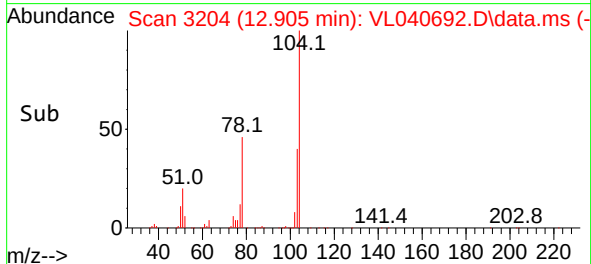
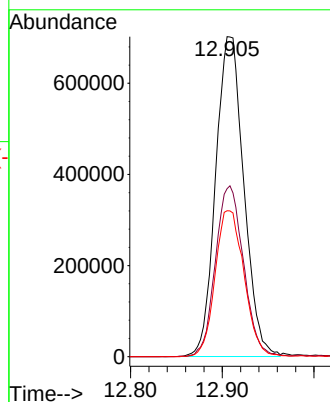
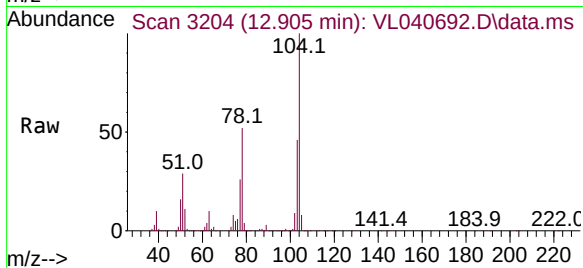
Tgt Ion:104 Resp: 1499265

Ion Ratio Lower Upper

104 100

78 53.6 43.4 65.0

103 47.1 37.2 55.8



#62

Isopropylbenzene

Concen: 10.109 ppbv

RT: 14.037 min Scan# 3556

Delta R.T. 0.000 min

Lab File: VL040692.D

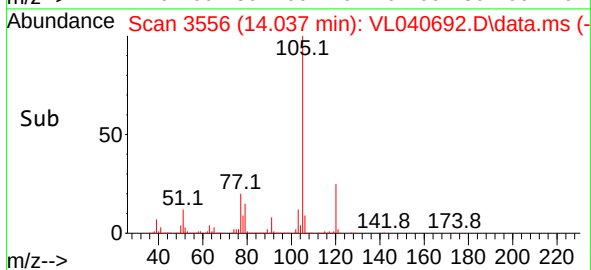
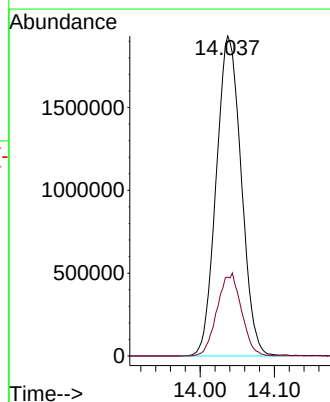
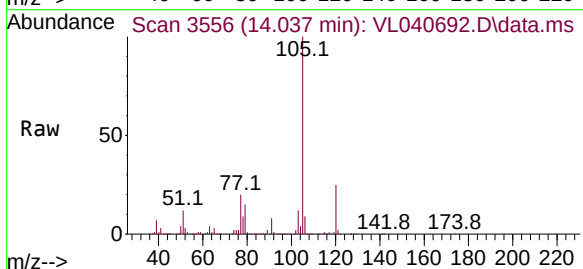
Acq: 18 Sep 2023 9:25

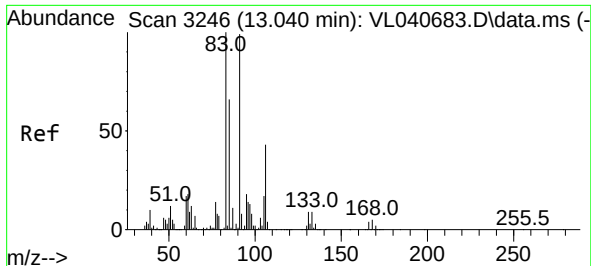
Tgt Ion:105 Resp: 4520850

Ion Ratio Lower Upper

105 100

120 25.2 20.2 30.4

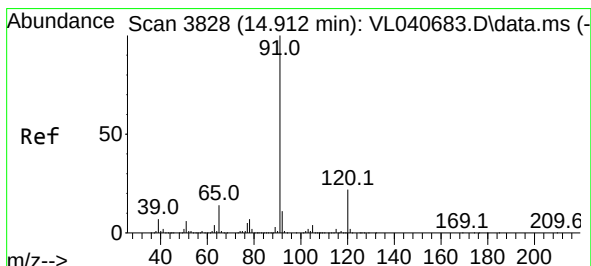
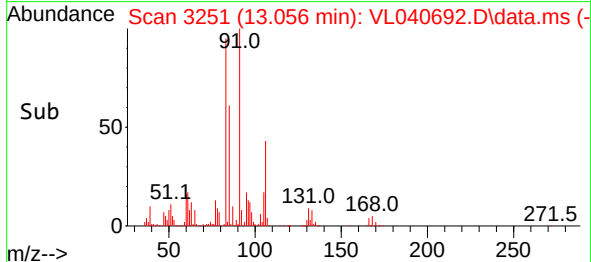
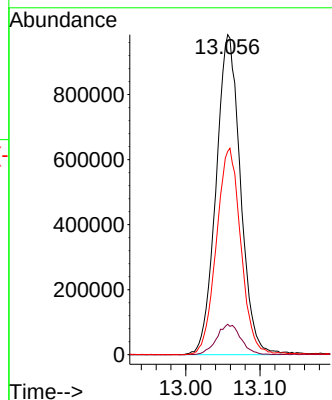
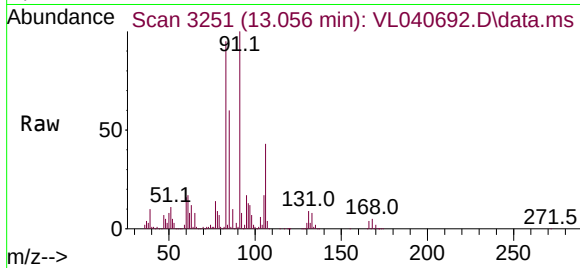




#63
1,1,2,2-Tetrachloroethane
Concen: 9.678 ppbv
RT: 13.056 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL040692.D
Acq: 18 Sep 2023 9:25

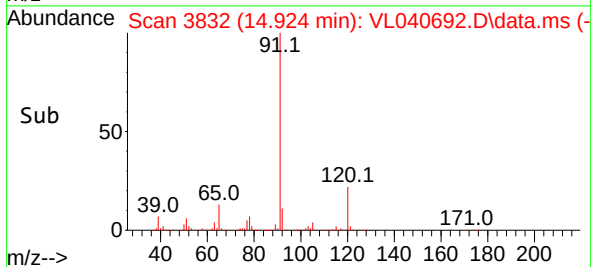
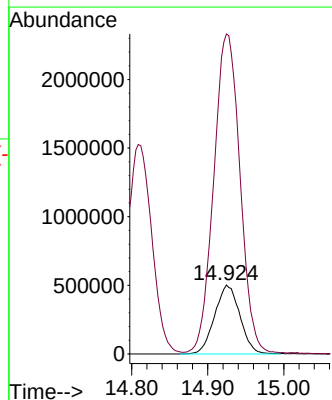
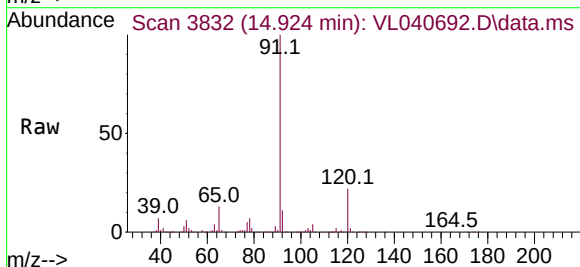
Instrument :
MSVOA_L
ClientSampleId :

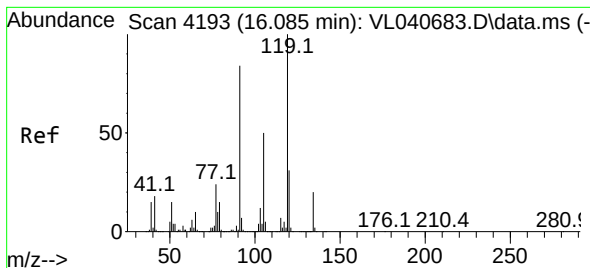
Tgt Ion: 83 Resp: 2246731
Ion Ratio Lower Upper
83 100
131 9.5 4.7 14.1
85 65.5 33.1 99.3



#64
n-propylbenzene
Concen: 10.342 ppbv
RT: 14.924 min Scan# 3832
Delta R.T. 0.000 min
Lab File: VL040692.D
Acq: 18 Sep 2023 9:25

Tgt Ion:120 Resp: 1156484
Ion Ratio Lower Upper
120 100
91 487.2 386.9 580.3

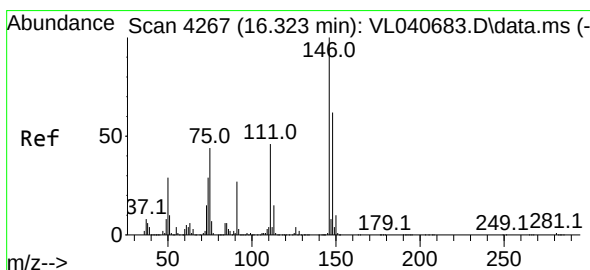
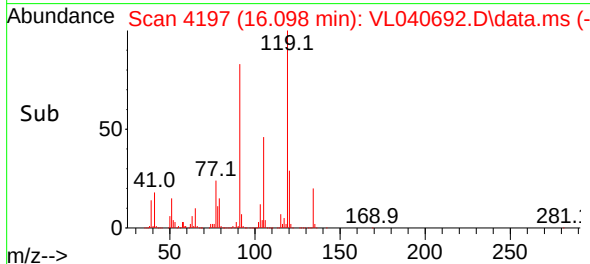
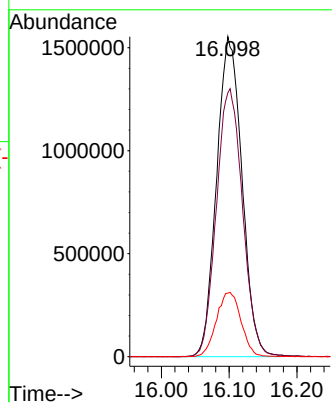
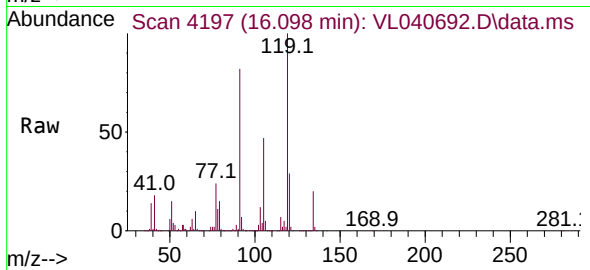




#65
tert-Butylbenzene
Concen: 10.054 ppbv
RT: 16.098 min Scan# 4197
Delta R.T. 0.000 min
Lab File: VL040692.D
Acq: 18 Sep 2023 9:25

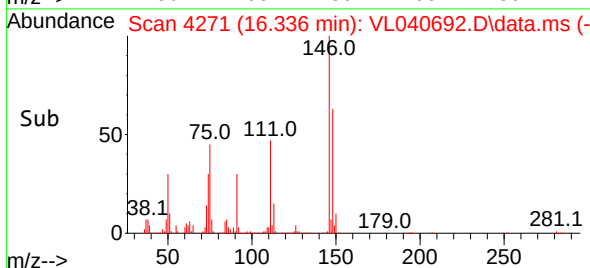
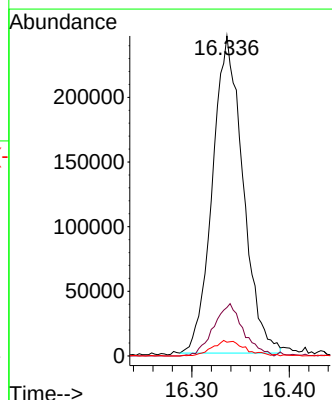
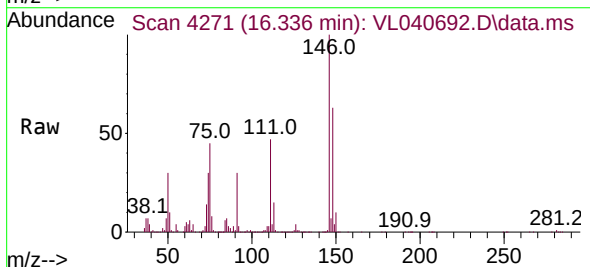
Instrument :
MSVOA_L
ClientSampleId :

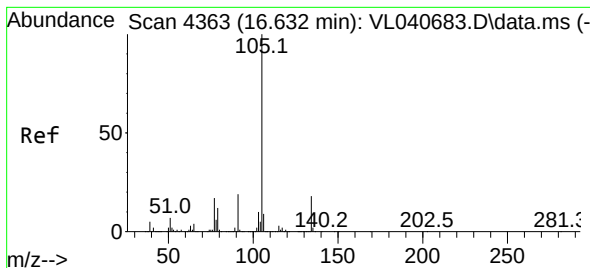
Tgt Ion:119 Resp: 4035591
Ion Ratio Lower Upper
119 100
91 86.6 69.8 104.8
134 19.6 15.4 23.2



#66
Benzyl Chloride
Concen: 11.393 ppbv
RT: 16.336 min Scan# 4271
Delta R.T. 0.000 min
Lab File: VL040692.D
Acq: 18 Sep 2023 9:25

Tgt Ion: 91 Resp: 533717
Ion Ratio Lower Upper
91 100
126 16.4 13.6 20.4
128 5.3 4.4 6.6





#67

sec-Butylbenzene

Concen: 9.898 ppbv

RT: 16.645 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL040692.D

Acq: 18 Sep 2023 9:25

Instrument :

MSVOA_L

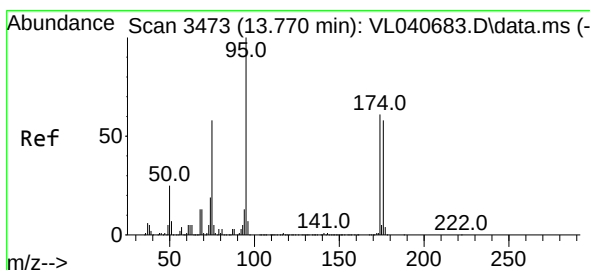
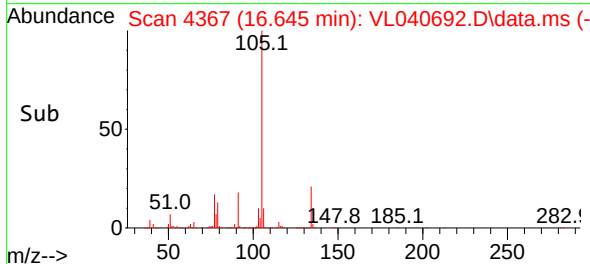
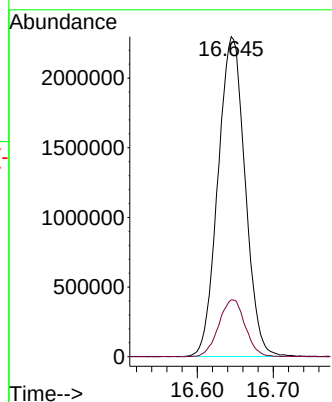
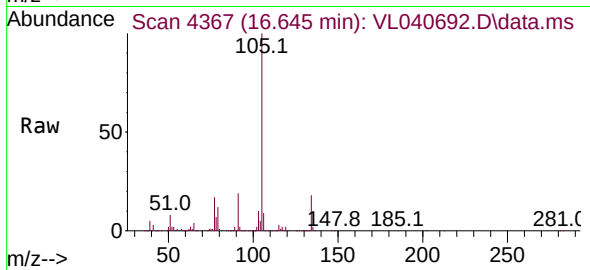
ClientSampleId :

Tgt Ion:105 Resp: 5687552

Ion Ratio Lower Upper

105 100

134 17.5 14.1 21.1



#68

1-Bromo-4-Fluorobenzene

Concen: 10.360 ppbv

RT: 13.786 min Scan# 3478

Delta R.T. 0.000 min

Lab File: VL040692.D

Acq: 18 Sep 2023 9:25

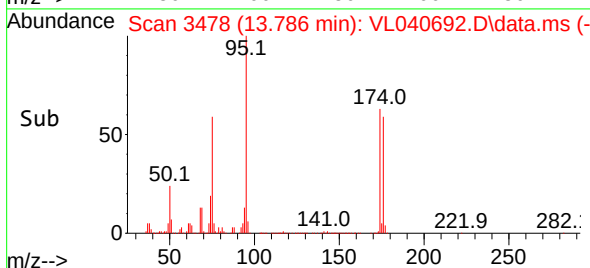
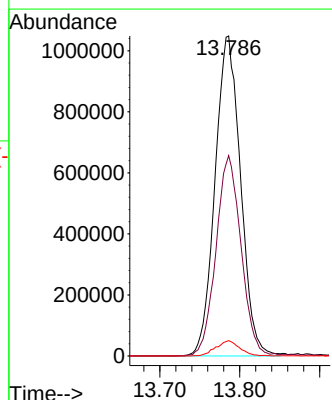
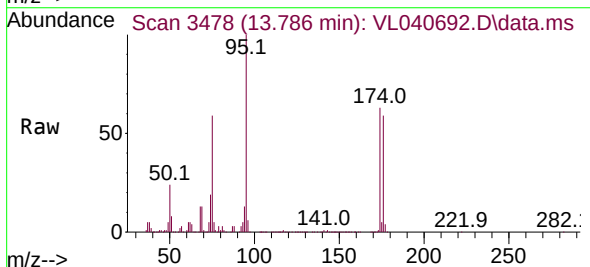
Tgt Ion: 95 Resp: 2322120

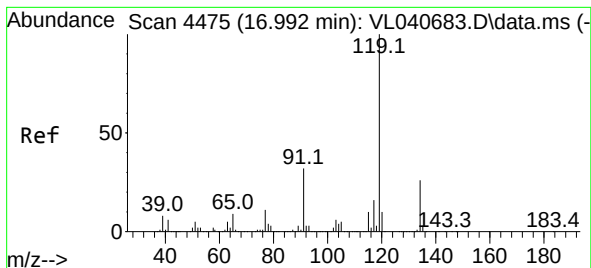
Ion Ratio Lower Upper

95 100

174 61.6 48.9 73.3

175 4.5 3.5 5.3





#69

p-Isopropyltoluene

Concen: 10.050 ppbv

RT: 17.002 min Scan# 4475

Delta R.T. 0.000 min

Lab File: VL040692.D

Acq: 18 Sep 2023 9:25

Instrument :

MSVOA_L

ClientSampleId :

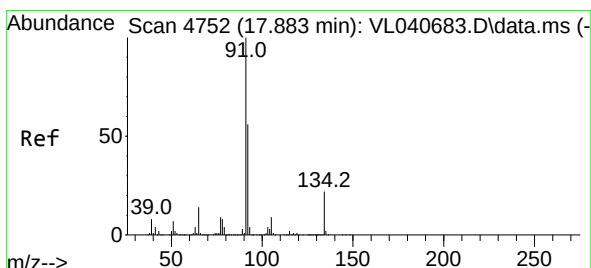
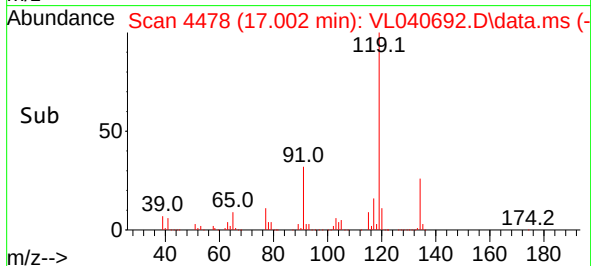
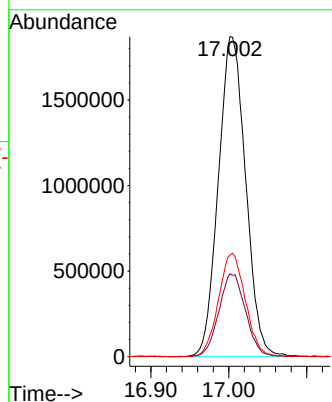
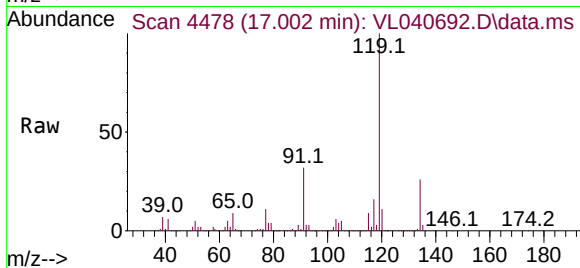
Tgt Ion:119 Resp: 4538770

Ion Ratio Lower Upper

119 100

134 25.5 20.2 30.2

91 32.0 25.0 37.6



#70

n-Butylbenzene

Concen: 10.011 ppbv

RT: 17.895 min Scan# 4756

Delta R.T. 0.000 min

Lab File: VL040692.D

Acq: 18 Sep 2023 9:25

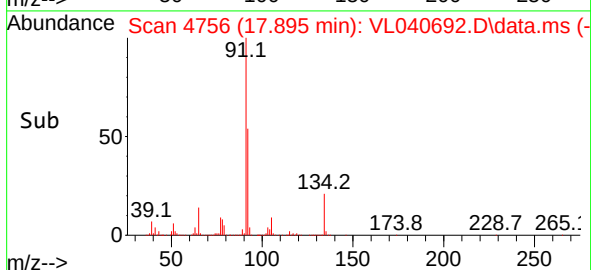
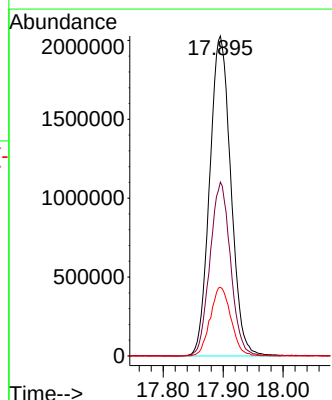
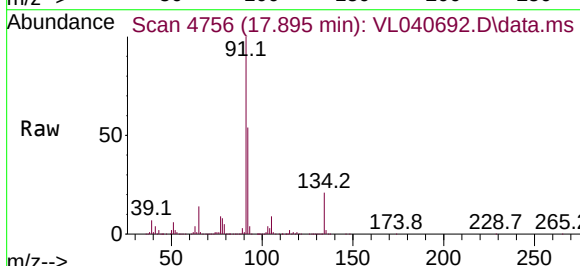
Tgt Ion: 91 Resp: 4976289

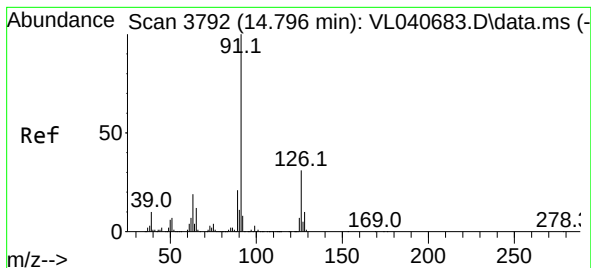
Ion Ratio Lower Upper

91 100

92 52.9 42.7 64.1

134 21.1 17.0 25.4

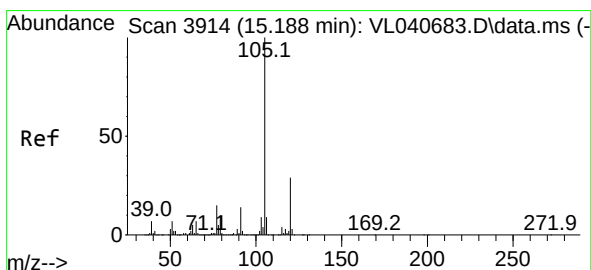
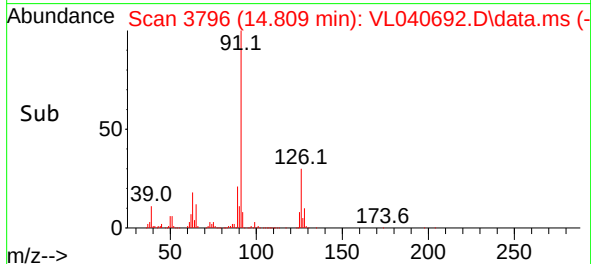
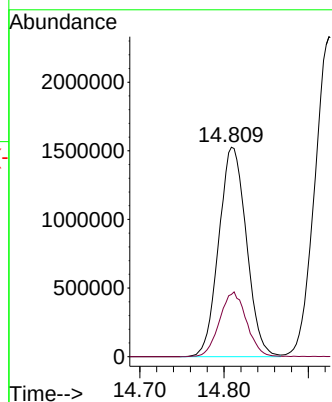
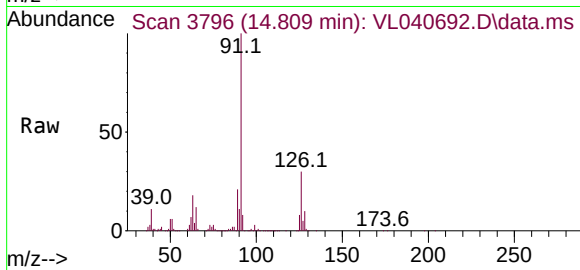




#71
2-Chlorotoluene
Concen: 10.497 ppbv
RT: 14.809 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL040692.D
Acq: 18 Sep 2023 9:25

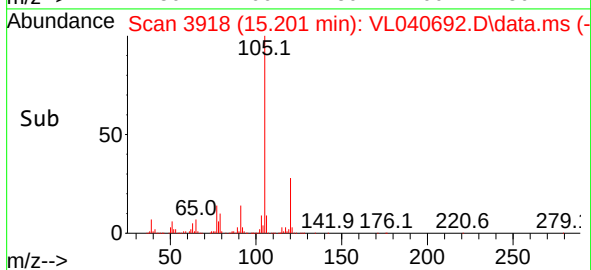
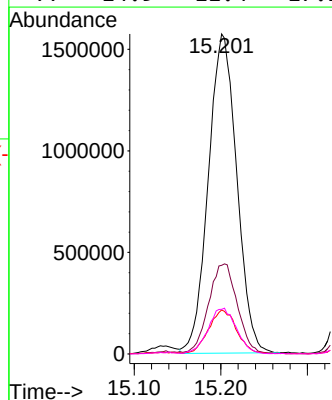
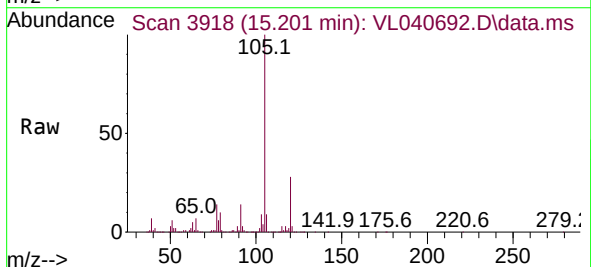
Instrument :
MSVOA_L
ClientSampleId :

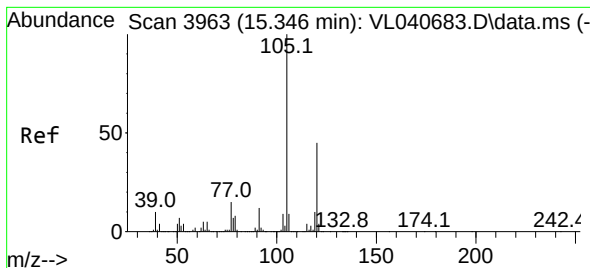
Tgt Ion: 91 Resp: 3473399
Ion Ratio Lower Upper
91 100
126 30.2 12.0 47.8



#72
4-Ethyltoluene
Concen: 10.790 ppbv
RT: 15.201 min Scan# 3918
Delta R.T. 0.000 min
Lab File: VL040692.D
Acq: 18 Sep 2023 9:25

Tgt Ion: 105 Resp: 3584002
Ion Ratio Lower Upper
105 100
120 28.7 23.9 35.9
91 13.7 11.0 16.4
77 14.9 11.4 17.2





#73

1,3,5-Trimethylbenzene

Concen: 10.375 ppbv

RT: 15.362 min Scan# 3963

Delta R.T. 0.000 min

Lab File: VL040692.D

Acq: 18 Sep 2023 9:25

Instrument :

MSVOA_L

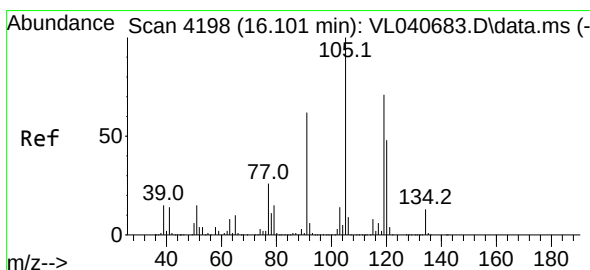
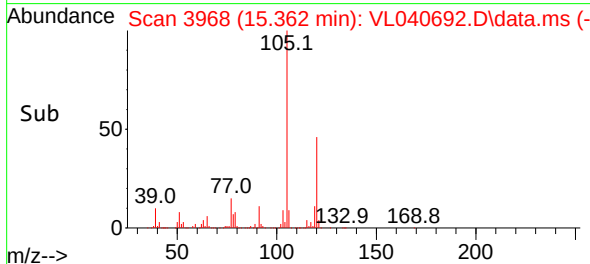
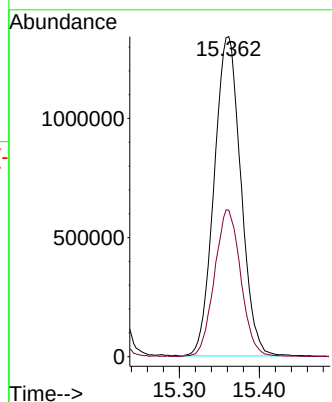
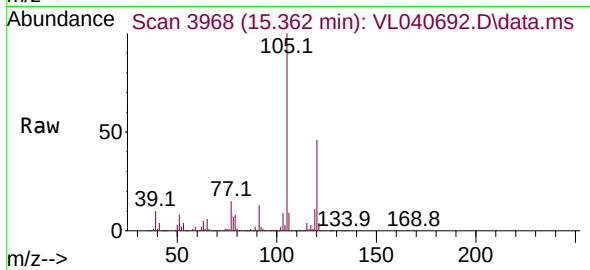
ClientSampleId :

Tgt Ion:105 Resp: 3103061

Ion Ratio Lower Upper

105 100

120 45.8 36.1 54.1



#74

1,2,4-Trimethylbenzene

Concen: 9.776 ppbv

RT: 16.117 min Scan# 4203

Delta R.T. 0.000 min

Lab File: VL040692.D

Acq: 18 Sep 2023 9:25

Tgt Ion:105 Resp: 3564598

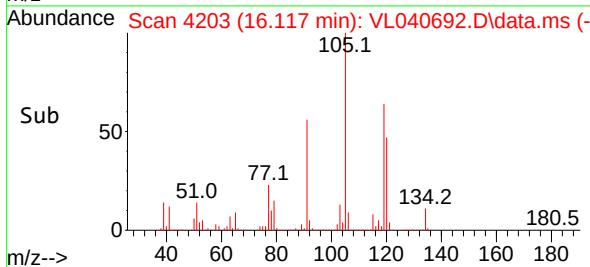
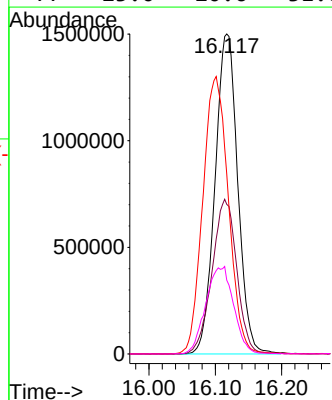
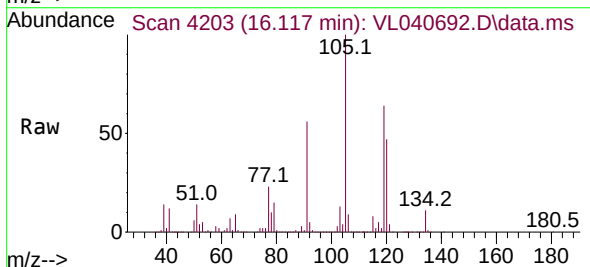
Ion Ratio Lower Upper

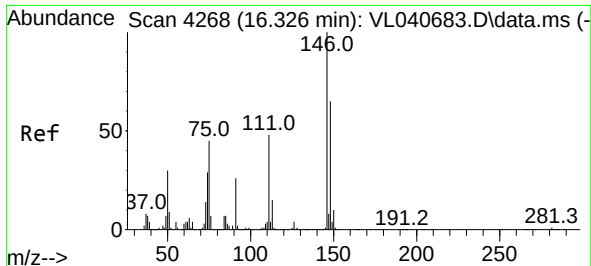
105 100

120 46.7 38.6 57.8

91 55.9 50.0 75.0

77 23.0 20.6 31.0

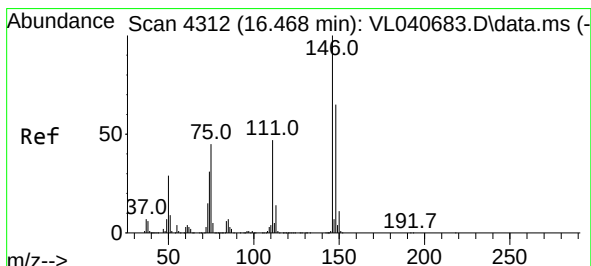
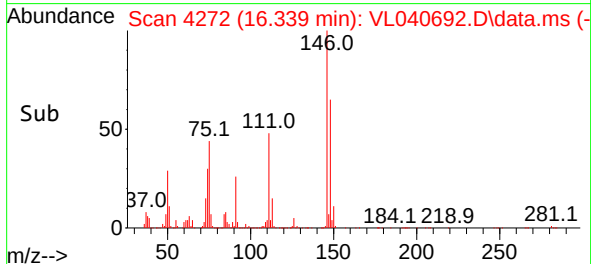
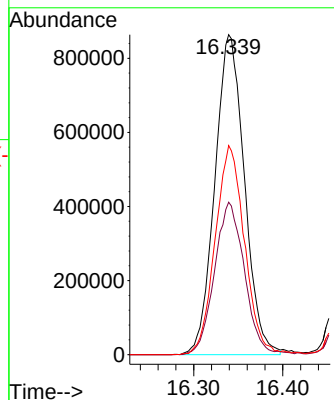
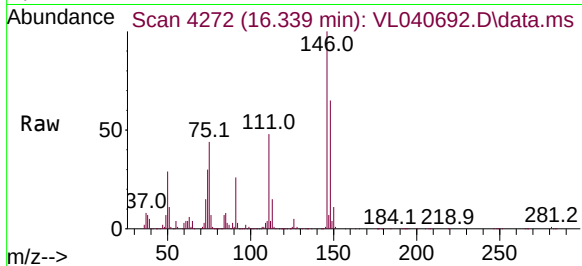




#75
1,3-Dichlorobenzene
Concen: 9.589 ppbv
RT: 16.339 min Scan# 4316
Delta R.T. 0.000 min
Lab File: VL040692.D
Acq: 18 Sep 2023 9:25

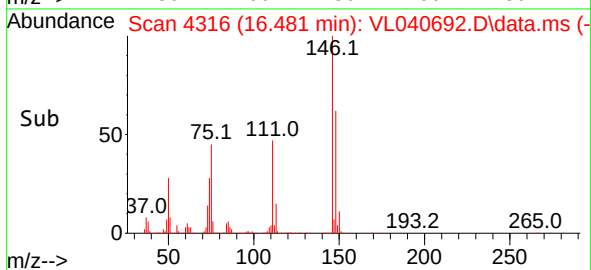
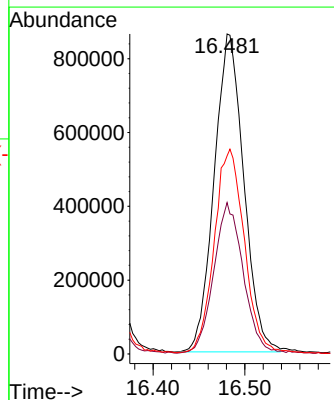
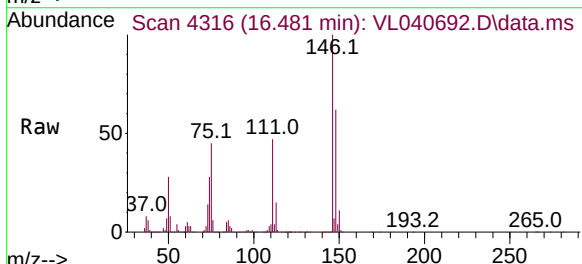
Instrument :
MSVOA_L
ClientSampleId :

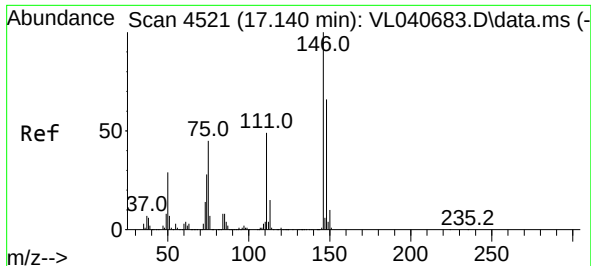
Tgt Ion:146 Resp: 1992039
Ion Ratio Lower Upper
146 100
111 48.4 23.9 71.7
148 65.2 31.8 95.4



#76
1,4-Dichlorobenzene
Concen: 9.452 ppbv
RT: 16.481 min Scan# 4316
Delta R.T. 0.000 min
Lab File: VL040692.D
Acq: 18 Sep 2023 9:25

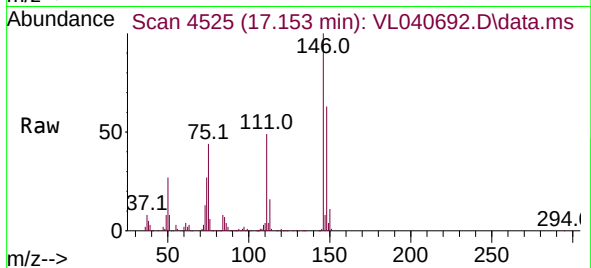
Tgt Ion:146 Resp: 1932022
Ion Ratio Lower Upper
146 100
111 47.9 23.8 71.2
148 66.4 32.6 97.7



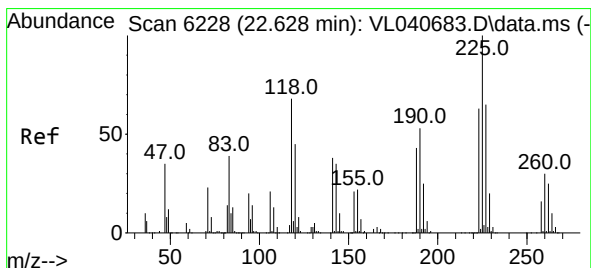
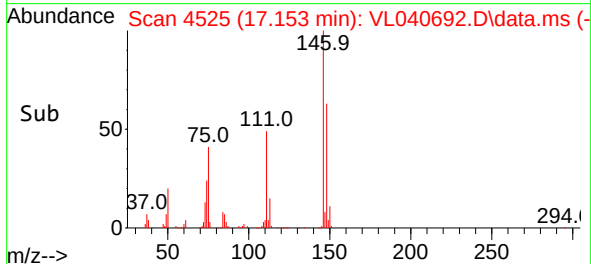
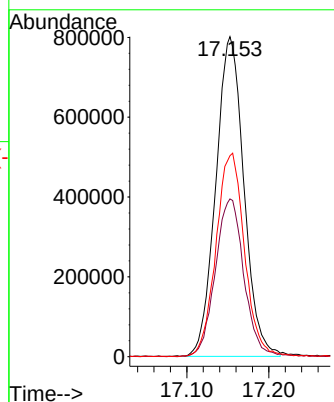


#77
1,2-Dichlorobenzene
Concen: 9.217 ppbv
RT: 17.153 min Scan# 411
Delta R.T. 0.000 min
Lab File: VL040692.D
Acq: 18 Sep 2023 9:25

Instrument :
MSVOA_L
ClientSampleId :

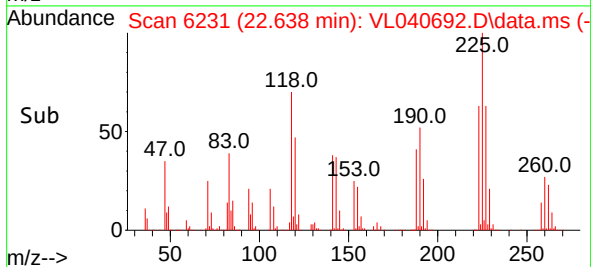
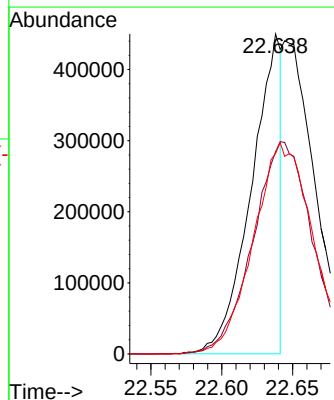
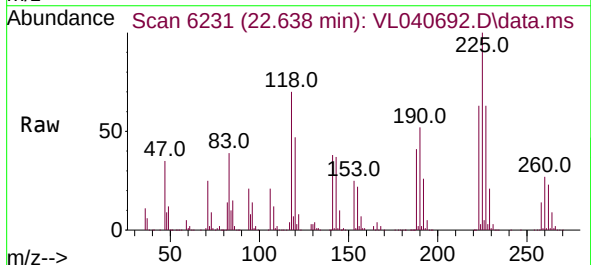


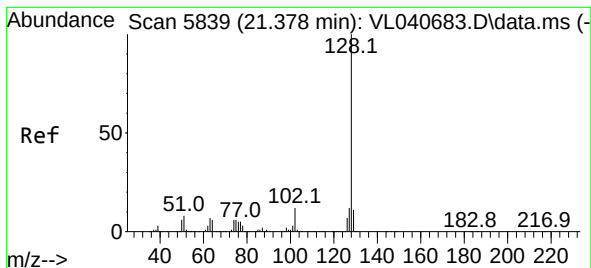
Tgt Ion:146 Resp: 1907183
Ion Ratio Lower Upper
146 100
111 50.5 25.0 75.0
148 64.4 32.4 97.0



#78
Hexachloro-1,3-Butadiene
Concen: 4.179 ppbv
RT: 22.638 min Scan# 6231
Delta R.T. 0.000 min
Lab File: VL040692.D
Acq: 18 Sep 2023 9:25

Tgt Ion:225 Resp: 654206
Ion Ratio Lower Upper
225 100
223 0.0 51.2 76.8#
227 0.0 50.7 76.1#





#79

Naphthalene

Concen: 11.810 ppbv

RT: 21.394 min Scan# 5844

Delta R.T. 0.000 min

Lab File: VL040692.D

Acq: 18 Sep 2023 9:25

Instrument :

MSVOA_L

ClientSampleId :

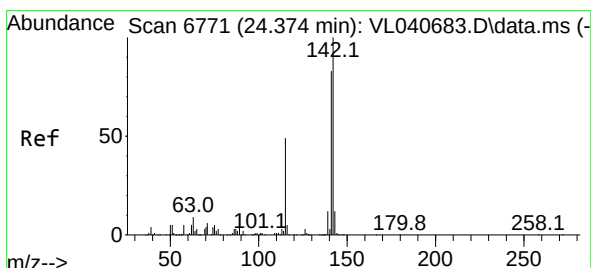
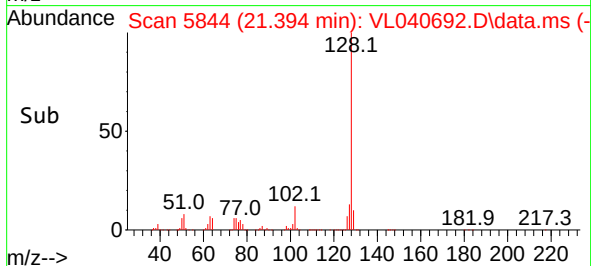
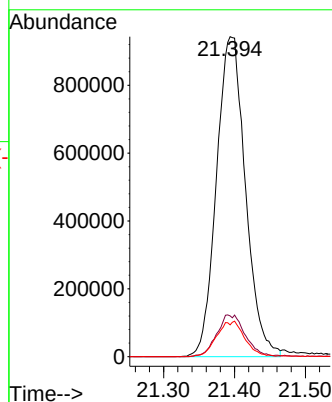
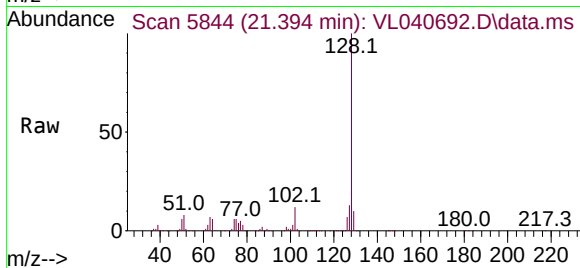
Tgt Ion:128 Resp: 2679554

Ion Ratio Lower Upper

128 100

127 12.8 9.8 14.6

129 9.9 8.4 12.6



#80

Naphthalene,2-methyl-

Concen: 11.838 ppbv

RT: 24.381 min Scan# 6773

Delta R.T. 0.000 min

Lab File: VL040692.D

Acq: 18 Sep 2023 9:25

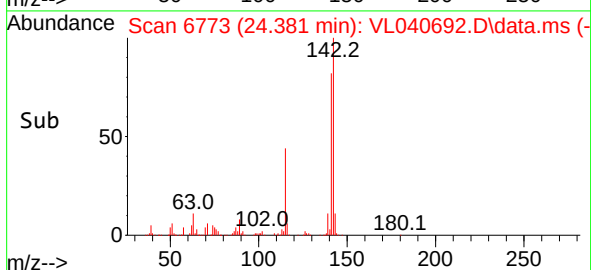
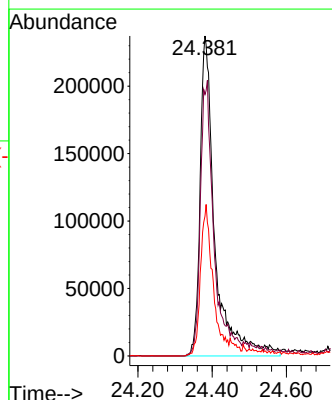
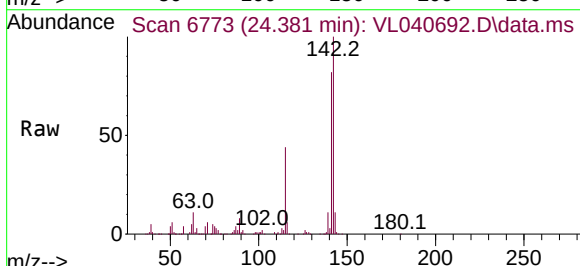
Tgt Ion:142 Resp: 657865

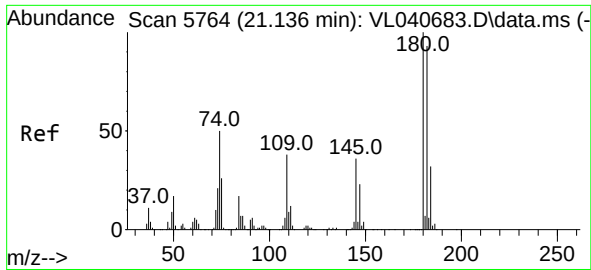
Ion Ratio Lower Upper

142 100

141 81.8 67.0 100.6

115 42.0 37.4 56.2





#81

1,2,4-Trichlorobenzene

Concen: 9.711 ppbv

RT: 21.149 min Scan# 51

Delta R.T. 0.000 min

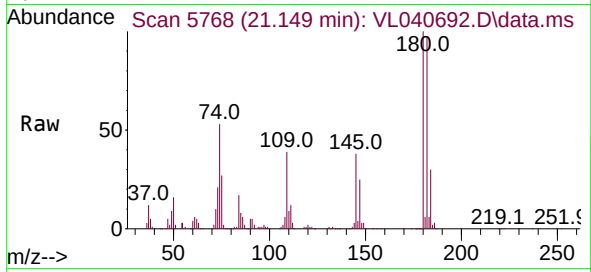
Lab File: VL040692.D

Acq: 18 Sep 2023 9:25

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:180 Resp: 1439237

Ion Ratio Lower Upper

180 100

182 96.6 77.9 116.9

184 31.0 24.4 36.6

