

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122123\
 Data File : VL040923.D
 Acq On : 21 Dec 2023 9:00
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 22 00:03:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Dec 21 07:32:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.182	49	1216336	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.635	114	3070256	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.436	117	2924814	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.744	95	2144289	9.953	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.500%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.745	85	2171316	9.372	ppbv	99
3) Chlorodifluoromethane	2.690	51	1709510	9.340	ppbv	100
4) Chloromethane	2.825	50	646520	9.579	ppbv	93
5) Vinyl Chloride	2.931	62	656735	10.081	ppbv	99
6) Bromomethane	3.128	94	289792	10.027	ppbv	100
7) Chloroethane	3.205	64	222812	9.593	ppbv	98
8) Dichlorotetrafluoroethane	2.870	85	1615530	9.678	ppbv	98
9) Propene	2.710	41	586935	9.718	ppbv	99
10) Heptane	7.558	43	1486892	9.904	ppbv	100
11) Trichlorofluoromethane	3.565	101	1738873	9.600	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.063	101	1283952	9.128	ppbv	99
13) Ethanol	3.250	45	116706	7.660	ppbv	92
14) Bromoethene	3.372	108	516862	10.026	ppbv	100
15) Acetone	3.472	43	1209752	8.293	ppbv	100
16) 1,3-Butadiene	2.996	39	633047	10.078	ppbv	99
17) tert-Butyl alcohol	3.880	59	1069665	9.912	ppbv	98
18) 1,1-Dichloroethene	3.880	96	566145	9.748	ppbv	96
19) Isopropyl Alcohol	3.578	45	744867	9.785	ppbv	100
20) Methylene Chloride	3.935	84	458893	8.825	ppbv	98
21) Allyl Chloride	3.996	41	833690	9.668	ppbv	98
22) trans-1,2-Dichloroethene	4.439	96	705549	10.654	ppbv	94
23) Vinyl Acetate	4.619	43	1795175	11.155	ppbv	99
24) 1,1-Dichloroethane	4.558	63	1417490	9.847	ppbv	100
25) Ethyl Acetate	5.192	43	2544547	10.067	ppbv	100
26) Hexane	5.205	57	1084690	9.683	ppbv	99
27) Carbon Disulfide	4.121	76	1466445	9.672	ppbv	98
28) Methyl tert-Butyl Ether	4.578	73	1065689	10.252	ppbv	100
29) Chloroform	5.262	83	1825547	9.657	ppbv	99
30) Cyclohexane	6.584	84	930506	9.963	ppbv	99
31) cis-1,2-Dichloroethene	5.070	61	1153904	10.027	ppbv	97
32) 1,1,1-Trichloroethane	5.986	97	1837415	10.053	ppbv	99
34) 2-Butanone	4.777	43	1588197	9.779	ppbv	100
35) Carbon Tetrachloride	6.478	117	1953926	10.162	ppbv	97
36) Benzene	6.356	78	2326347	9.693	ppbv	98
37) 1,2-Dichloroethane	5.793	62	1421024	9.881	ppbv	100
38) Trichloroethene	7.272	130	898653	9.969	ppbv	98
39) 1,2-Dichloropropane	7.053	63	914476	9.696	ppbv	97
40) 1,4-Dioxane	7.259	88	372421	9.352	ppbv	96
41) Tetrahydrofuran	5.542	42	982964	9.948	ppbv	98
42) Bromodichloromethane	7.227	83	2062380	9.943	ppbv	97
43) Methyl Methacrylate	7.452	69	969281	10.296	ppbv	98
44) 2,2,4-Trimethylpentane	7.307	57	3815928	9.360	ppbv	100
45) t-1,3-Dichloropropene	8.684	75	797614	11.420	ppbv	100

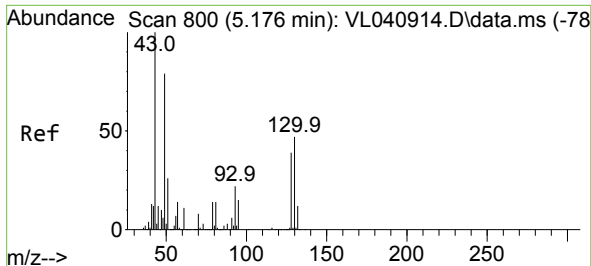
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122123\
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 QLast Update : Thu Dec 21 07:32:42 2023
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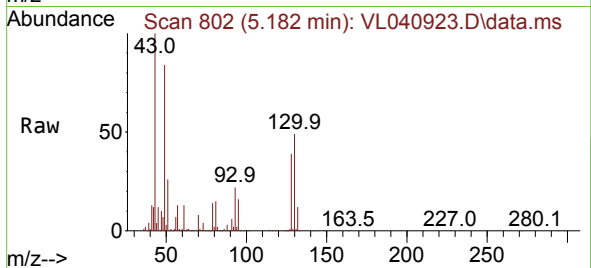
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.121	75	923295	10.677	ppbv	99
47) 1,1,2-Trichloroethane	8.873	97	973574	9.731	ppbv	97
48) Dibromochloromethane	9.680	129	1759798	10.304	ppbv	100
49) Bromoform	12.375	173	1395351	10.589	ppbv	99
50) 4-Methyl-2-Pentanone	8.156	43	2460300	10.002	ppbv	99
51) 2-Hexanone	9.523	43	1830765	10.341	ppbv	100
52) Tetrachloroethene	10.584	164	811920	10.042	ppbv	97
53) Toluene	9.192	91	2688873	10.103	ppbv	99
54) 1,2-Dibromoethane	9.979	107	1446004	10.532	ppbv	99
56) 1,1,1,2-Tetrachloroethane	11.478	131	1241097	9.704	ppbv	98
57) Chlorobenzene	11.497	112	2067448	9.599	ppbv	100
58) Ethyl Benzene	12.056	91	3633101	9.671	ppbv	99
59) m/p-Xylene	12.343	91	3466257	10.848	ppbv #	100
60) o-Xylene	13.024	91	2896824	9.621	ppbv	100
61) Styrene	12.867	104	1547153	10.810	ppbv	99
62) Isopropylbenzene	13.995	105	4249639	9.518	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.011	83	2122090	9.784	ppbv	99
64) n-propylbenzene	14.883	120	1110658	9.917	ppbv	99
65) tert-Butylbenzene	16.056	119	3722167	9.807	ppbv	99
66) Benzyl Chloride	16.291	91	325374	12.528	ppbv	99
67) sec-Butylbenzene	16.600	105	5251867	9.522	ppbv	99
69) p-Isopropyltoluene	16.960	119	4270996	9.963	ppbv	100
70) n-Butylbenzene	17.850	91	4494140	10.098	ppbv	100
71) 2-Chlorotoluene	14.767	91	3324265	9.668	ppbv	99
72) 4-Ethyltoluene	15.159	105	3333468	10.088	ppbv	100
73) 1,3,5-Trimethylbenzene	15.317	105	2878026	10.091	ppbv	97
74) 1,2,4-Trimethylbenzene	16.072	105	3167613	9.980	ppbv	97
75) 1,3-Dichlorobenzene	16.294	146	1820535	10.041	ppbv	100
76) 1,4-Dichlorobenzene	16.439	146	1771357	9.987	ppbv	100
77) 1,2-Dichlorobenzene	17.108	146	1733194	9.923	ppbv	99
78) Hexachloro-1,3-Butadiene	22.593	225	957540	8.913	ppbv	100
79) Naphthalene	21.342	128	2099421	13.727	ppbv	99
80) Naphthalene,2-methyl-	24.349	142	349595	12.506	ppbv	96
81) 1,2,4-Trichlorobenzene	21.098	180	1039681	11.841	ppbv	99

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

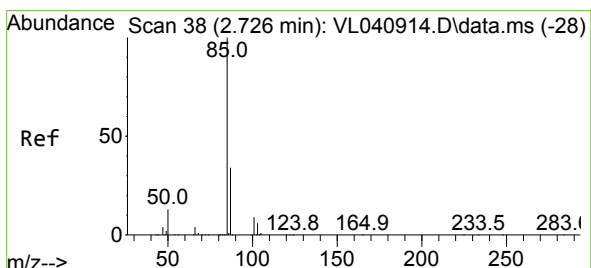
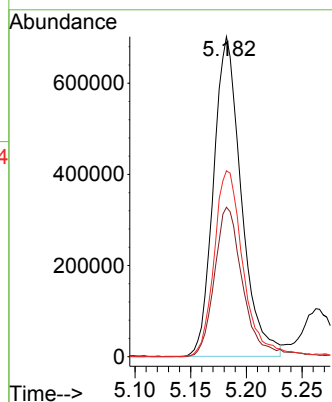
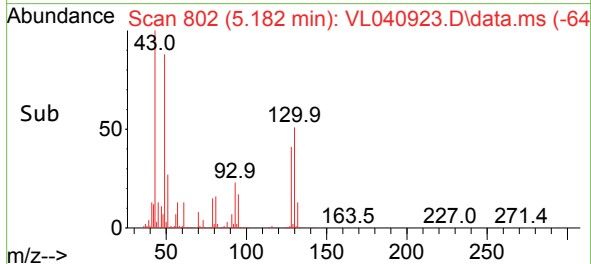


#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.182 min Scan# 80
 Delta R.T. 0.006 min
 Lab File: VL040923.D
 Acq: 21 Dec 2023 9:00

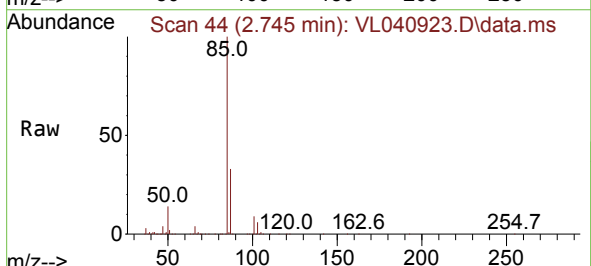
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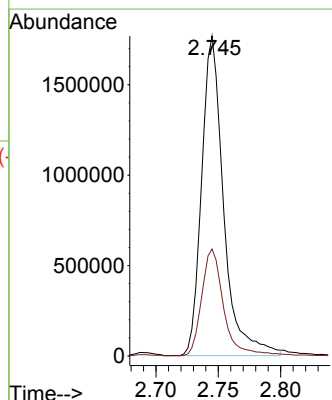
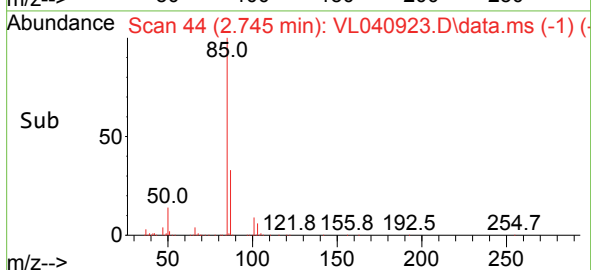
Tgt Ion: 49 Resp: 1216336
 Ion Ratio Lower Upper
 49 100
 128 49.0 23.8 71.2
 130 61.9 30.1 90.5

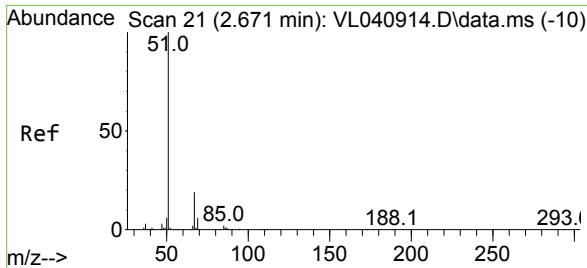


#2
 Dichlorodifluoromethane
 Concen: 9.372 ppbv
 RT: 2.745 min Scan# 44
 Delta R.T. 0.019 min
 Lab File: VL040923.D
 Acq: 21 Dec 2023 9:00



Tgt Ion: 85 Resp: 2171316
 Ion Ratio Lower Upper
 85 100
 87 33.4 27.0 40.6

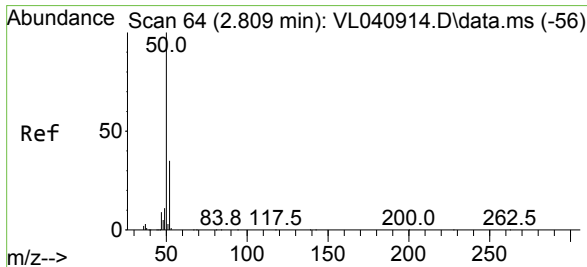
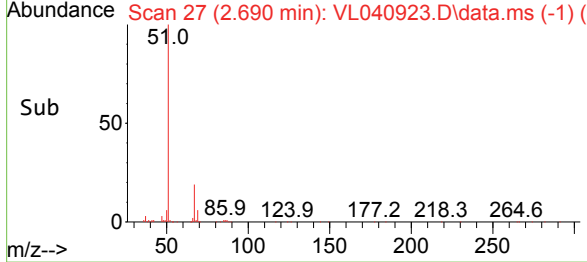
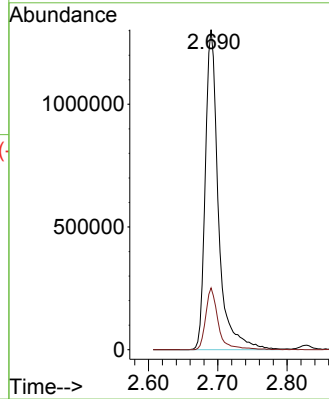
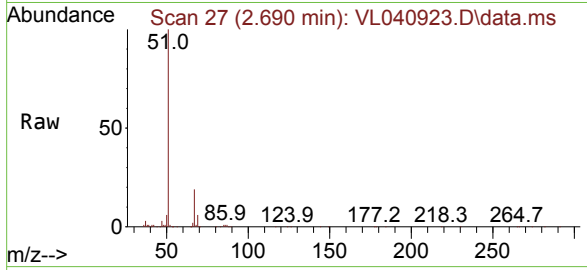




#3
Chlorodifluoromethane
Concen: 9.340 ppbv
RT: 2.690 min Scan# 21
Delta R.T. 0.019 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00

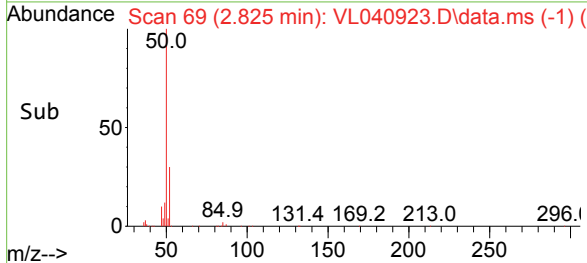
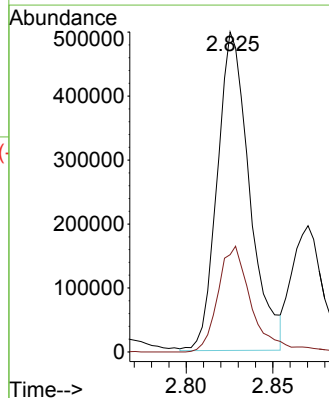
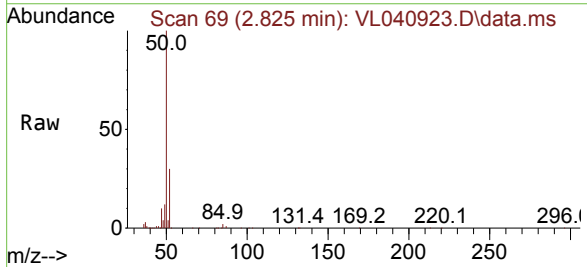
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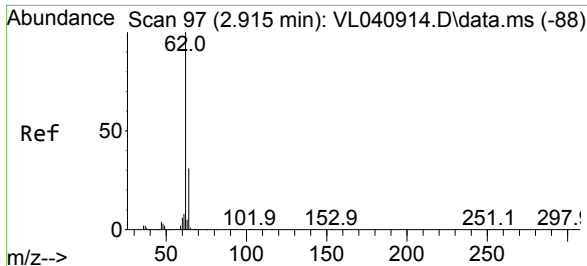
Tgt Ion: 51 Resp: 1709510
Ion Ratio Lower Upper
51 100
67 18.6 14.7 22.1



#4
Chloromethane
Concen: 9.579 ppbv
RT: 2.825 min Scan# 69
Delta R.T. 0.016 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00

Tgt Ion: 50 Resp: 646520
Ion Ratio Lower Upper
50 100
52 30.7 28.0 42.0

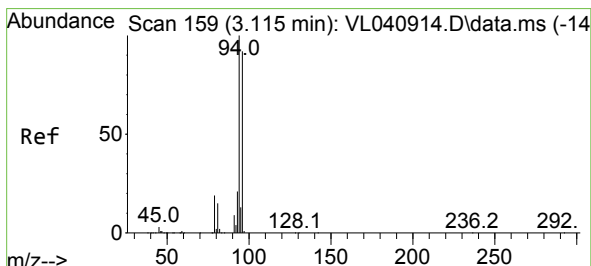
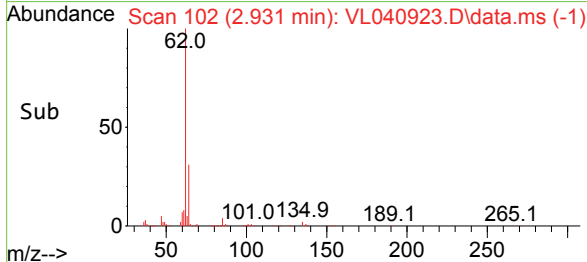
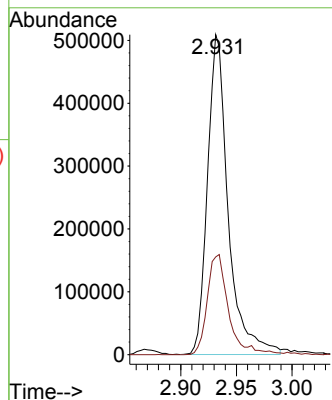
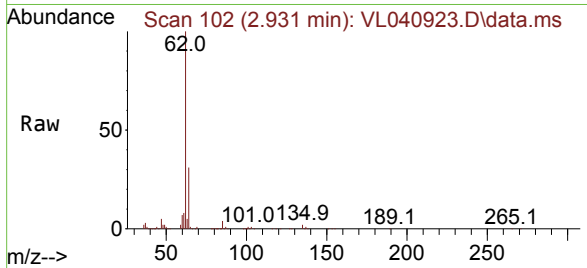




#5
 Vinyl Chloride
 Concen: 10.081 ppbv
 RT: 2.931 min Scan# 102
 Delta R.T. 0.016 min
 Lab File: VL040923.D
 Acq: 21 Dec 2023 9:00

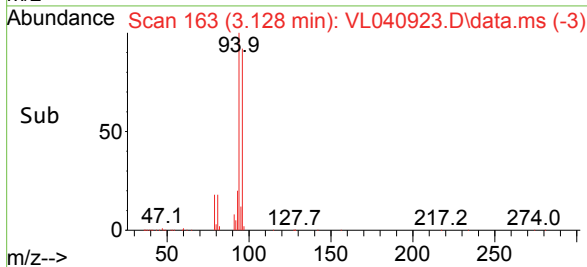
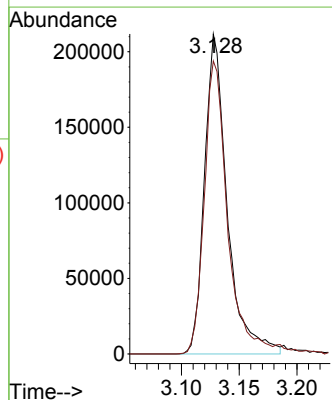
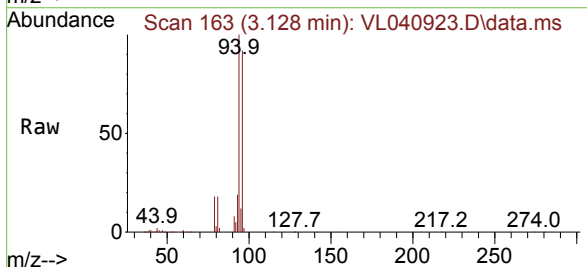
Instrument :
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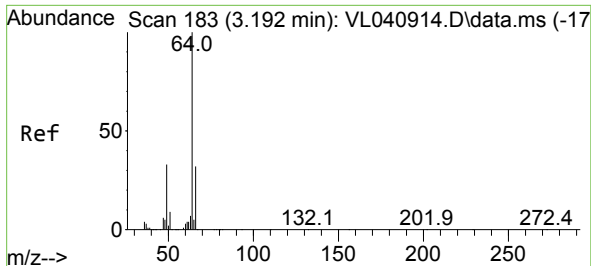
Tgt Ion: 62 Resp: 656735
 Ion Ratio Lower Upper
 62 100
 64 30.6 24.9 37.3



#6
 Bromomethane
 Concen: 10.027 ppbv
 RT: 3.128 min Scan# 163
 Delta R.T. 0.013 min
 Lab File: VL040923.D
 Acq: 21 Dec 2023 9:00

Tgt Ion: 94 Resp: 289792
 Ion Ratio Lower Upper
 94 100
 96 91.5 73.2 109.8

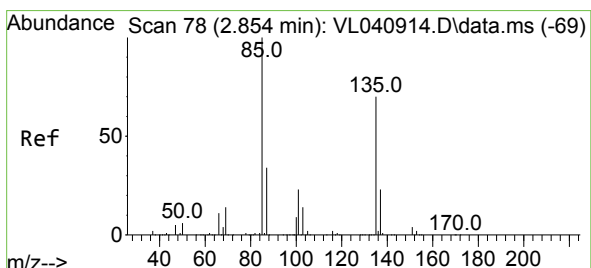
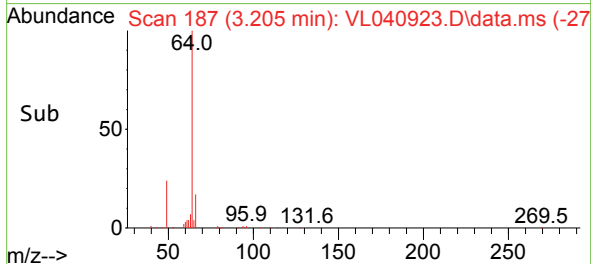
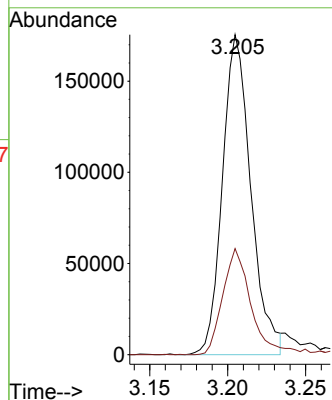
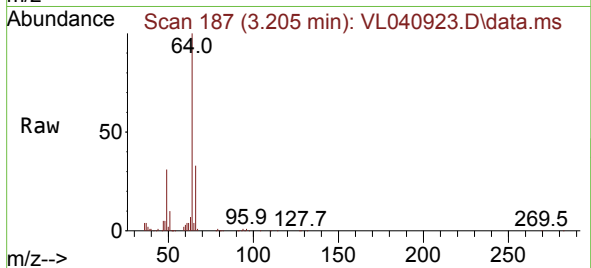




#7
Chloroethane
Concen: 9.593 ppbv
RT: 3.205 min Scan# 11
Delta R.T. 0.013 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00

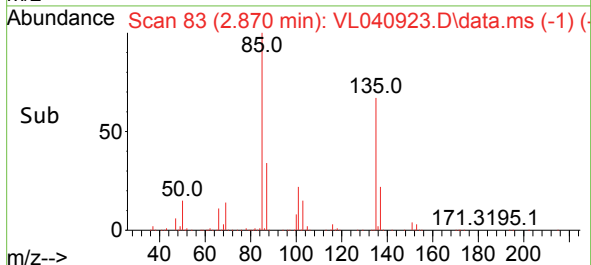
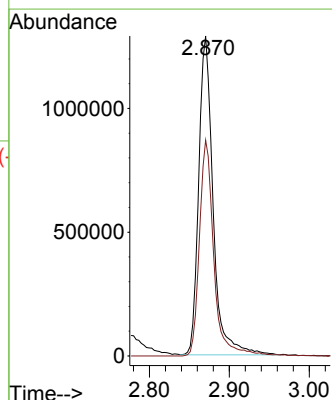
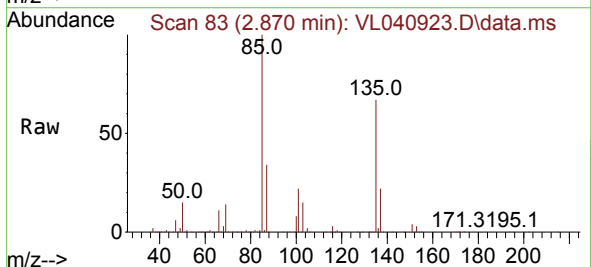
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ClientSampleId :

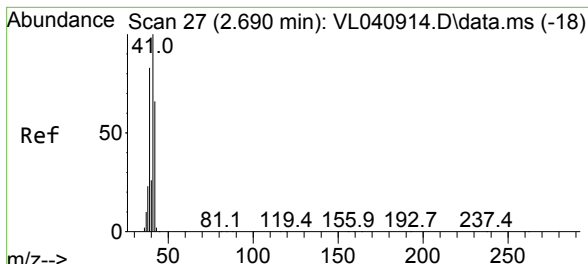
Tgt Ion: 64 Resp: 222812
Ion Ratio Lower Upper
64 100
66 33.1 25.7 38.5



#8
Dichlorotetrafluoroethane
Concen: 9.678 ppbv
RT: 2.870 min Scan# 83
Delta R.T. 0.016 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00

Tgt Ion: 85 Resp: 1615530
Ion Ratio Lower Upper
85 100
135 68.3 55.8 83.8

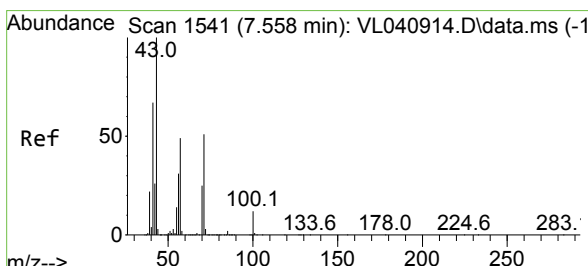
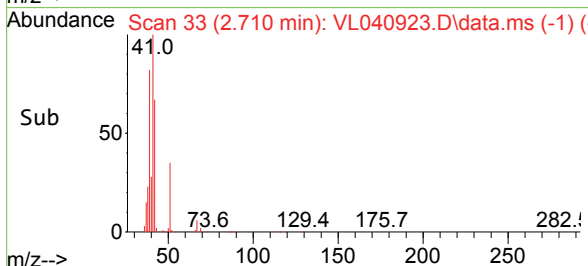
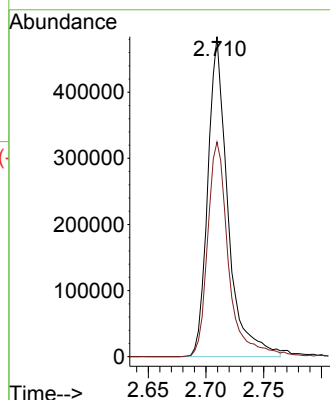
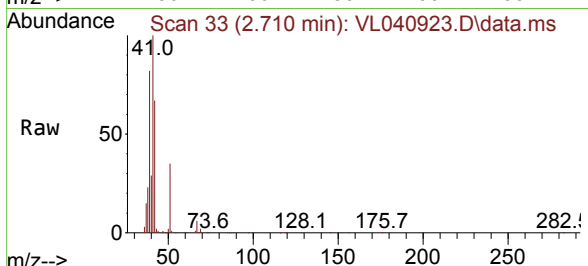




#9
 Propene
 Concen: 9.718 ppbv
 RT: 2.710 min Scan# 31
 Delta R.T. 0.019 min
 Lab File: VL040923.D
 Acq: 21 Dec 2023 9:00

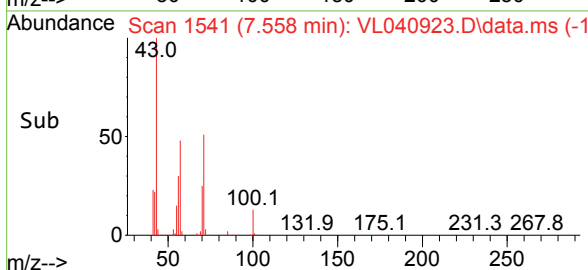
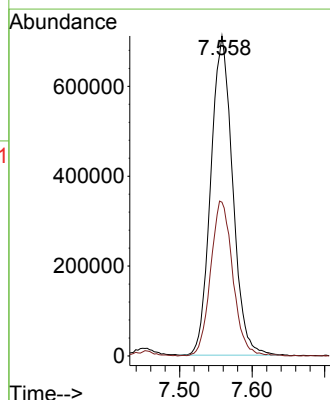
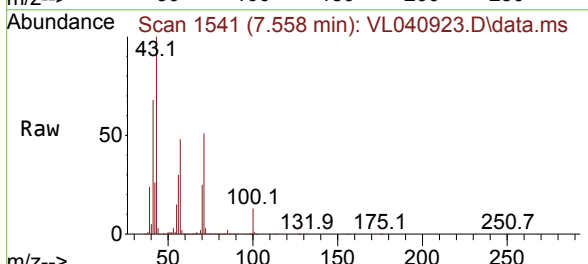
Instrument :
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 ClientSampleId :

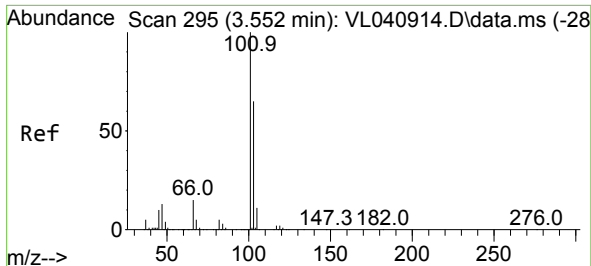
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 Ion Ratio Lower Upper
 41 100
 42 70.5 55.8 83.6



#10
 Heptane
 Concen: 9.904 ppbv
 RT: 7.558 min Scan# 1541
 Delta R.T. 0.000 min
 Lab File: VL040923.D
 Acq: 21 Dec 2023 9:00

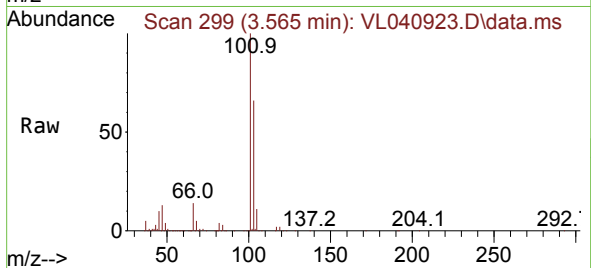
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 57 49.4 39.3 58.9



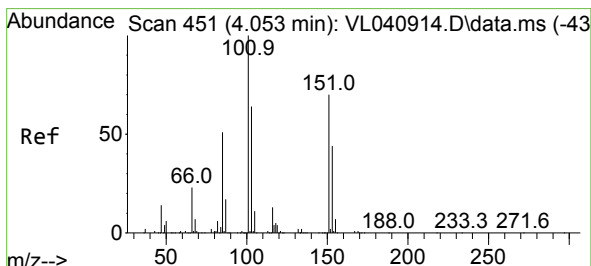
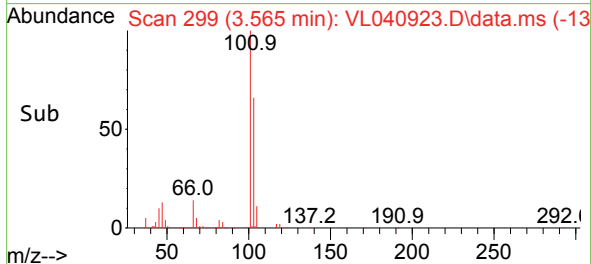
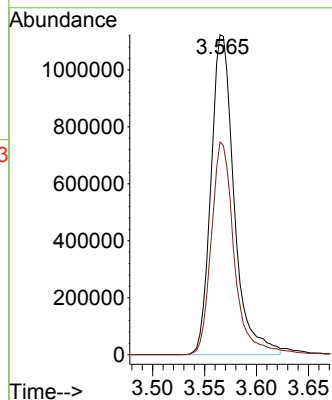


#11
 Trichlorofluoromethane
 Concen: 9.600 ppbv
 RT: 3.565 min Scan# 295
 Delta R.T. 0.013 min
 Lab File: VL040923.D
 Acq: 21 Dec 2023 9:00

Instrument :
 MSVOA_L
 ClientSampleId :

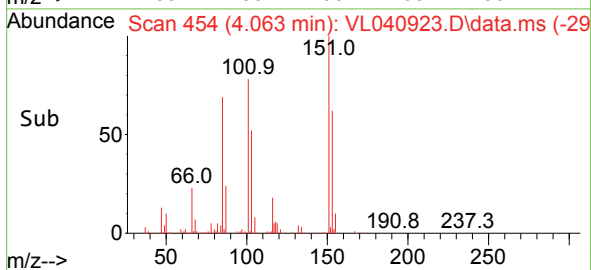
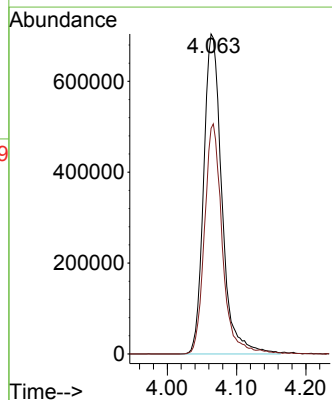
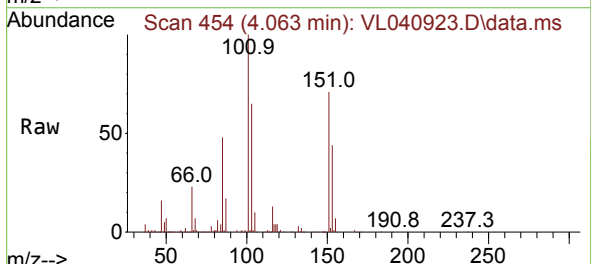


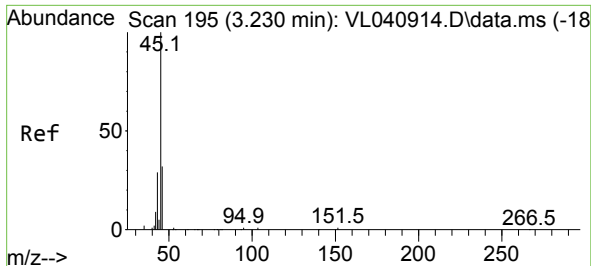
Tgt Ion:101 Resp: 1738873
 Ion Ratio Lower Upper
 101 100
 103 66.5 51.9 77.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.128 ppbv
 RT: 4.063 min Scan# 454
 Delta R.T. 0.010 min
 Lab File: VL040923.D
 Acq: 21 Dec 2023 9:00

Tgt Ion:101 Resp: 1283952
 Ion Ratio Lower Upper
 101 100
 151 70.4 55.8 83.8

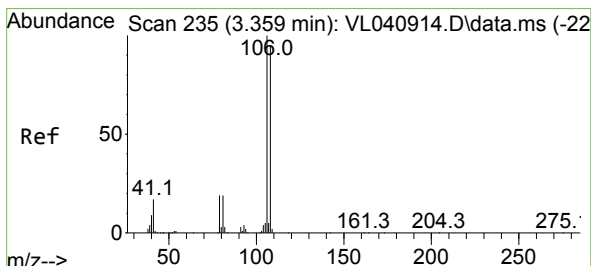
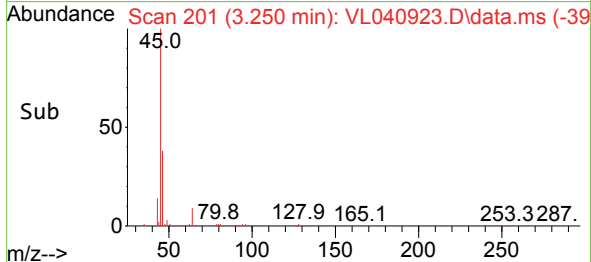
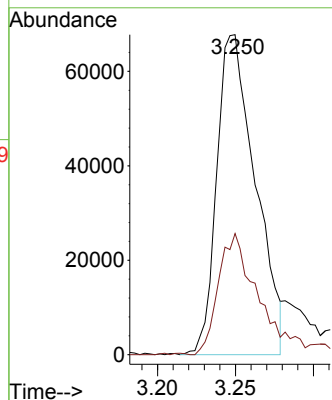
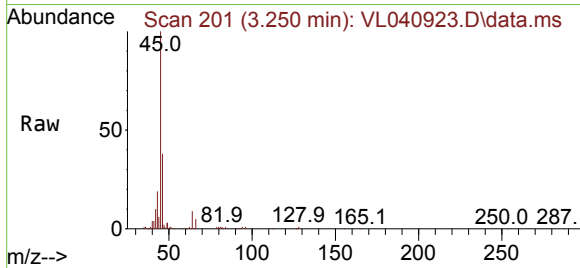




#13
Ethanol
Concen: 7.660 ppbv
RT: 3.250 min Scan# 201
Delta R.T. 0.019 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00

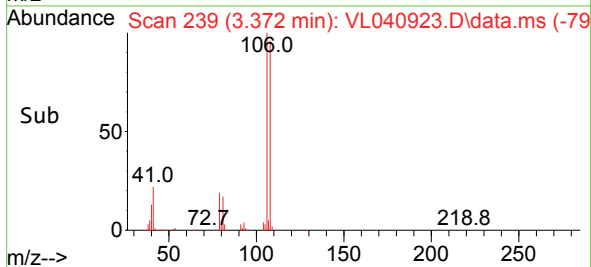
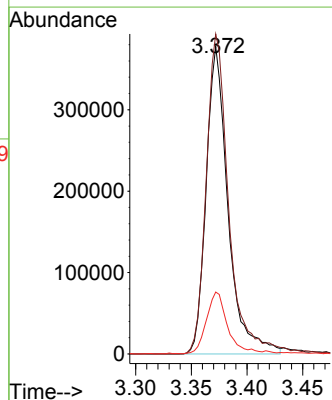
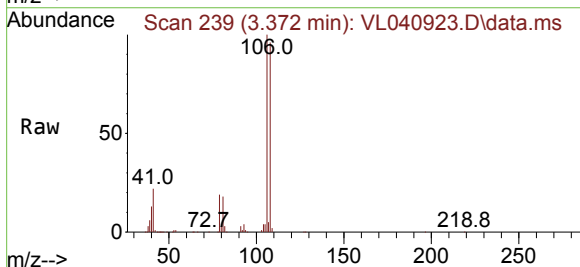
Instrument :
MSVOA_L
ClientSampleId :

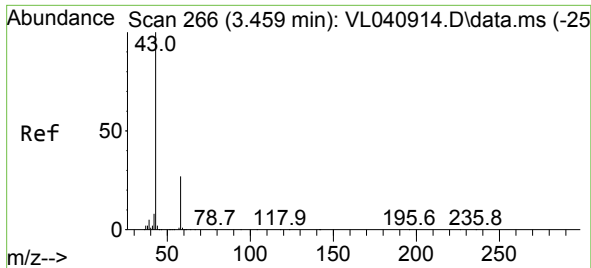
Tgt Ion: 45 Resp: 116706
Ion Ratio Lower Upper
45 100
46 42.1 15.0 60.0



#14
Bromoethene
Concen: 10.026 ppbv
RT: 3.372 min Scan# 239
Delta R.T. 0.013 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00

Tgt Ion: 108 Resp: 516862
Ion Ratio Lower Upper
108 100
106 108.9 87.5 131.3
79 20.8 16.6 24.8

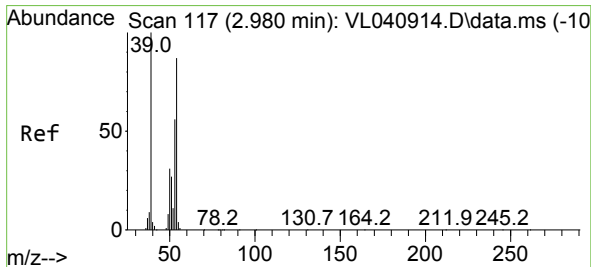
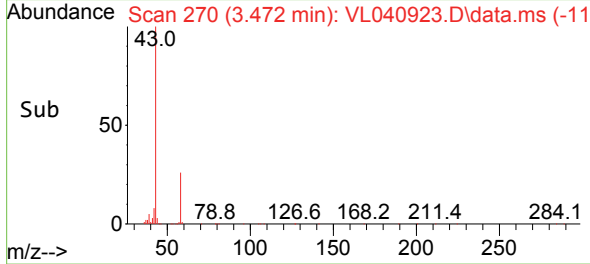
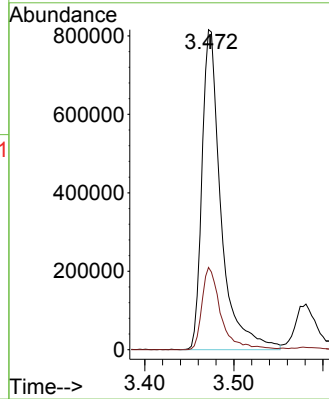
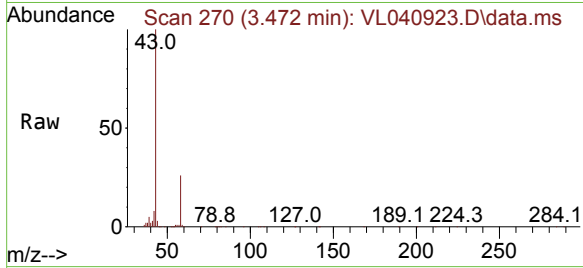




#15
Acetone
Concen: 8.293 ppbv
RT: 3.472 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00

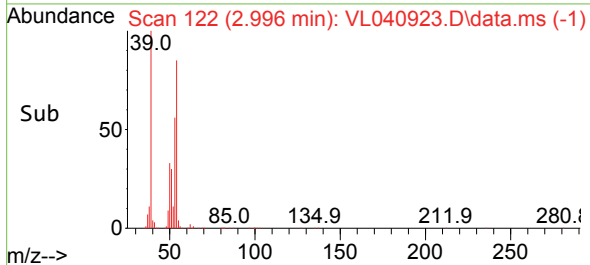
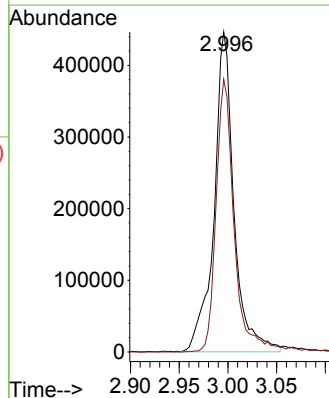
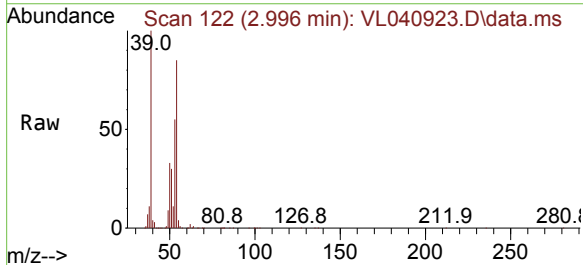
Instrument :
MSVOA_L
ClientSampleId :

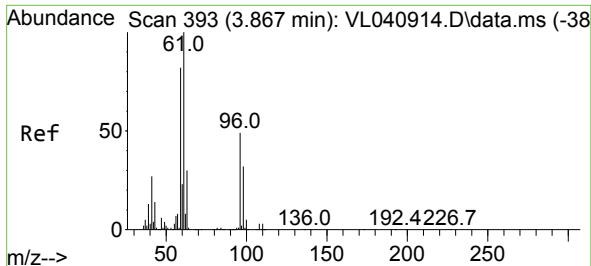
Tgt Ion: 43 Resp: 1209752
Ion Ratio Lower Upper
43 100
58 25.8 20.6 30.8



#16
1,3-Butadiene
Concen: 10.078 ppbv
RT: 2.996 min Scan# 122
Delta R.T. 0.016 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00

Tgt Ion: 39 Resp: 633047
Ion Ratio Lower Upper
39 100
54 78.6 63.8 95.6





#17

tert-Butyl alcohol

Concen: 9.912 ppbv

RT: 3.880 min Scan# 397

Delta R.T. 0.013 min

Lab File: VL040923.D

Acq: 21 Dec 2023 9:00

Instrument :

MSVOA_L

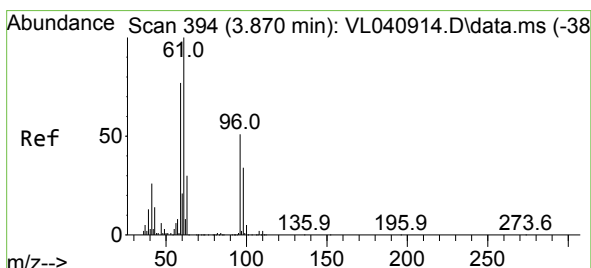
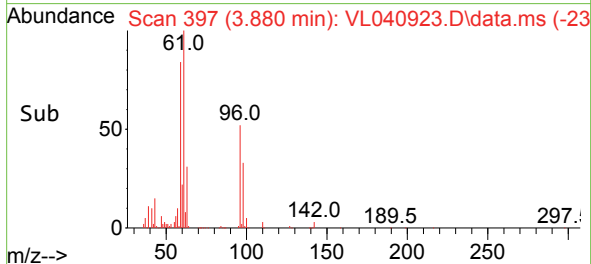
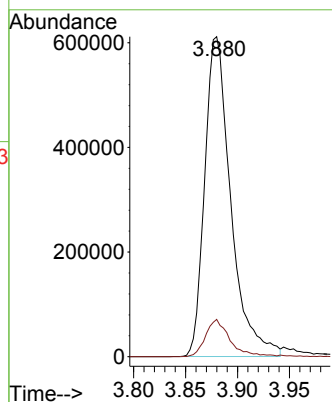
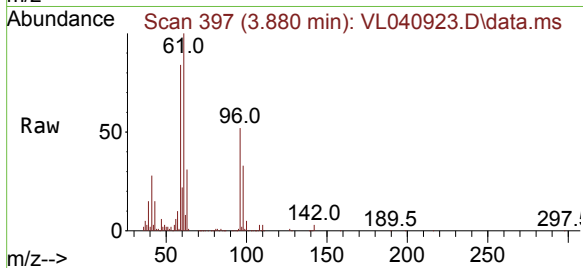
ClientSampleId :

Tgt Ion: 59 Resp: 1069665

Ion Ratio Lower Upper

59 100

57 11.2 8.3 12.5



#18

1,1-Dichloroethene

Concen: 9.748 ppbv

RT: 3.880 min Scan# 397

Delta R.T. 0.010 min

Lab File: VL040923.D

Acq: 21 Dec 2023 9:00

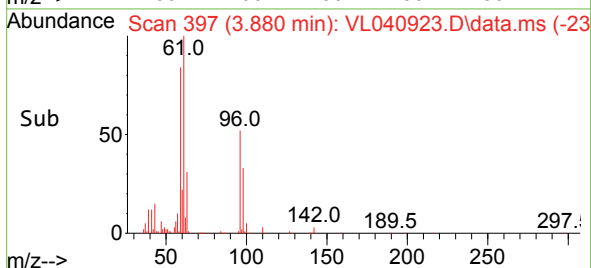
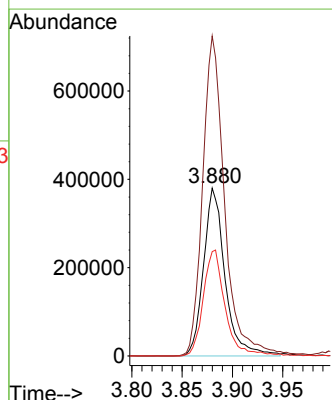
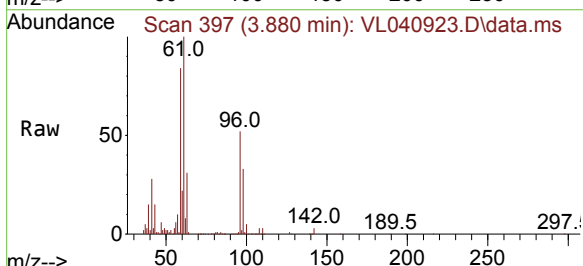
Tgt Ion: 96 Resp: 566145

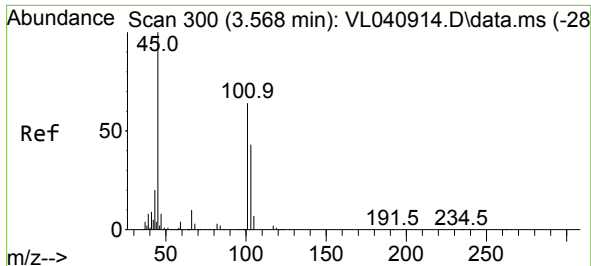
Ion Ratio Lower Upper

96 100

61 190.2 156.6 235.0

98 62.1 52.5 78.7

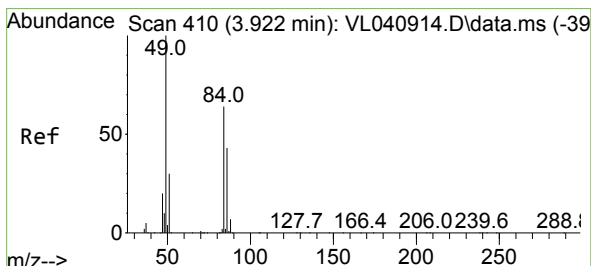
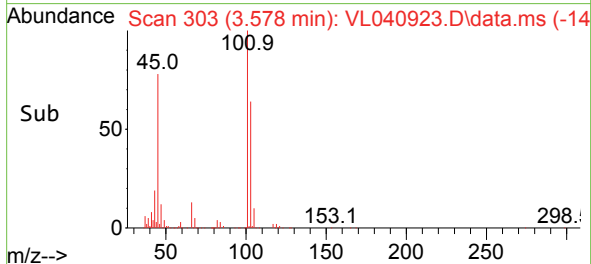
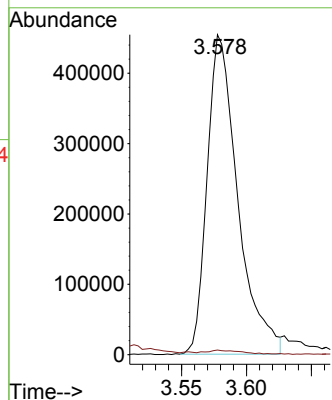
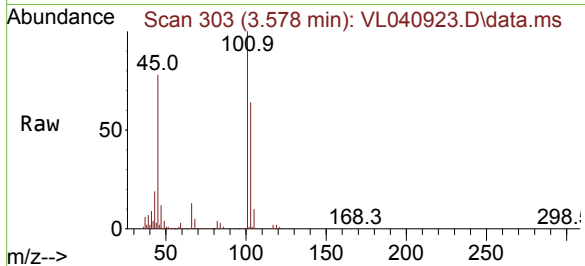




#19
Isopropyl Alcohol
Concen: 9.785 ppbv
RT: 3.578 min Scan# 300
Delta R.T. 0.010 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00

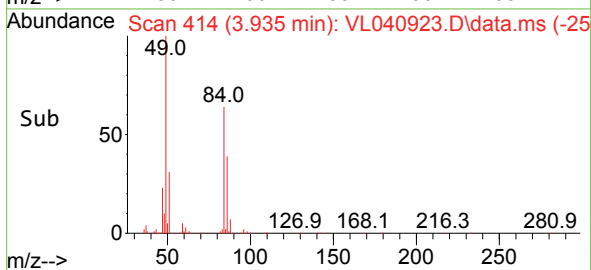
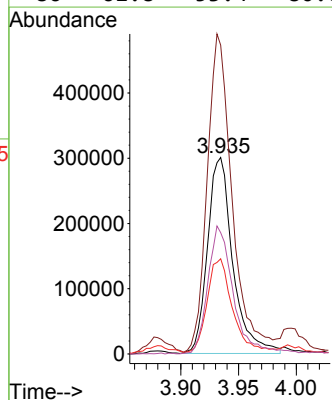
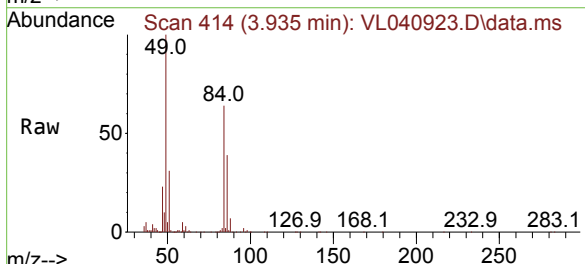
Instrument :
MSVOA_L
ClientSampleId :

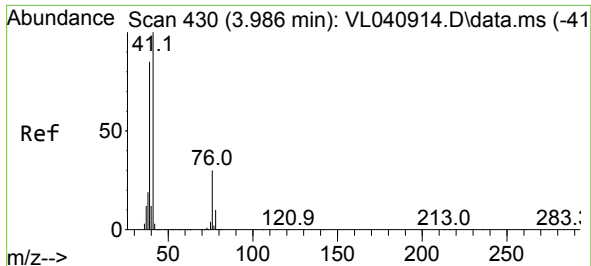
Tgt Ion: 45 Resp: 744867
Ion Ratio Lower Upper
45 100
58 1.9 1.5 2.3



#20
Methylene Chloride
Concen: 8.825 ppbv
RT: 3.935 min Scan# 414
Delta R.T. 0.013 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00

Tgt Ion: 84 Resp: 458893
Ion Ratio Lower Upper
84 100
49 155.8 124.6 187.0
51 47.2 37.2 55.8
86 61.8 53.4 80.0

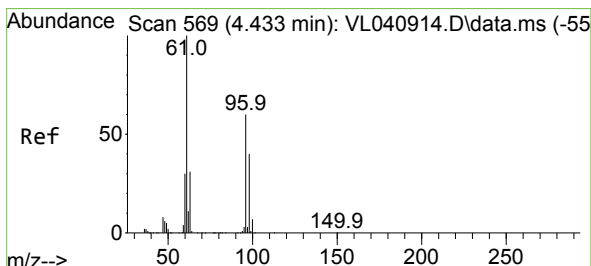
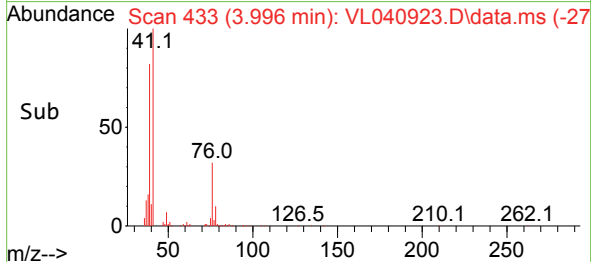
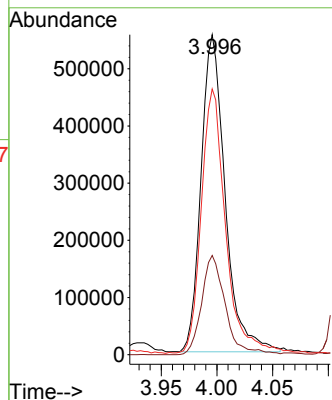
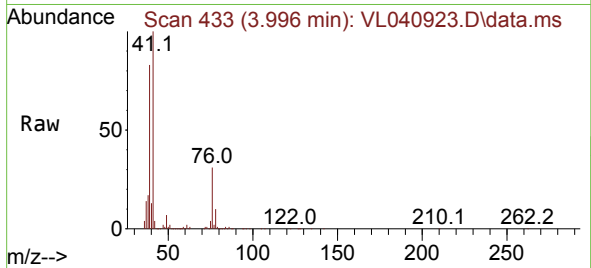




#21
 Allyl Chloride
 Concen: 9.668 ppbv
 RT: 3.996 min Scan# 41
 Delta R.T. 0.010 min
 Lab File: VL040923.D
 Acq: 21 Dec 2023 9:00

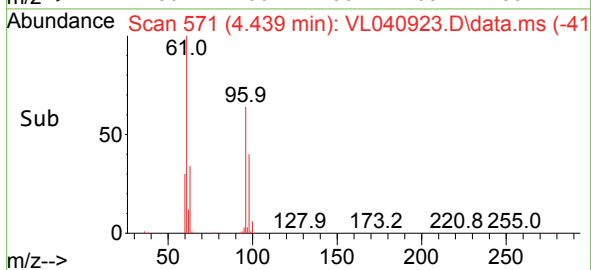
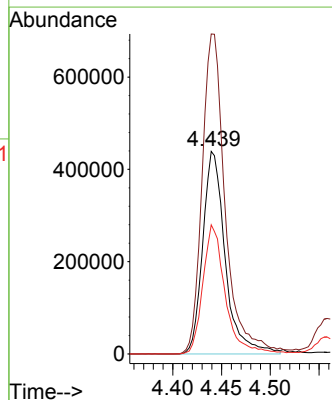
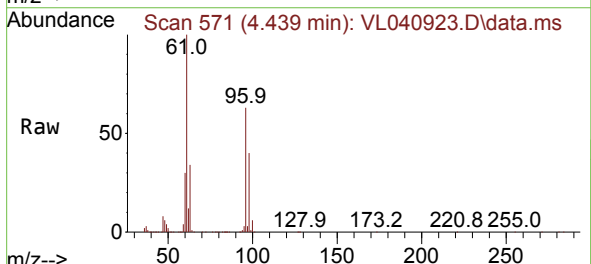
Instrument :
 MSVOA_L
 ClientSampleId :

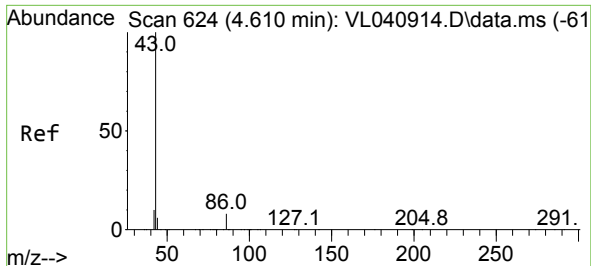
Tgt Ion: 41 Resp: 833690
 Ion Ratio Lower Upper
 41 100
 76 31.2 23.9 35.9
 39 84.9 66.5 99.7



#22
 trans-1,2-Dichloroethene
 Concen: 10.654 ppbv
 RT: 4.439 min Scan# 571
 Delta R.T. 0.006 min
 Lab File: VL040923.D
 Acq: 21 Dec 2023 9:00

Tgt Ion: 96 Resp: 705549
 Ion Ratio Lower Upper
 96 100
 61 157.8 133.0 199.6
 98 63.6 53.7 80.5



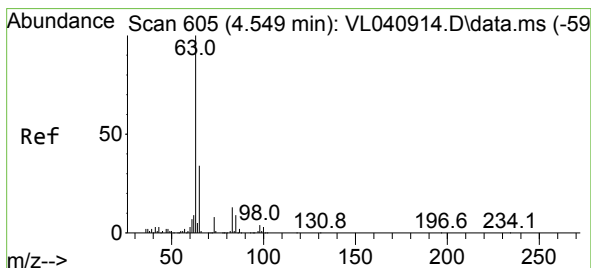
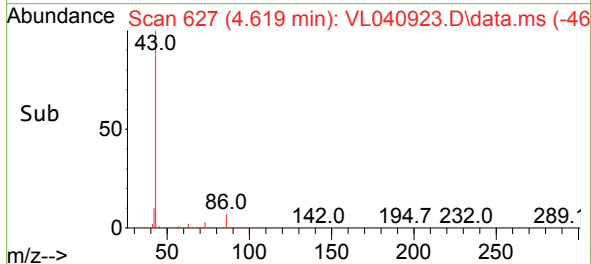
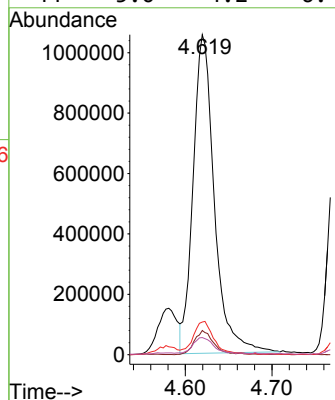
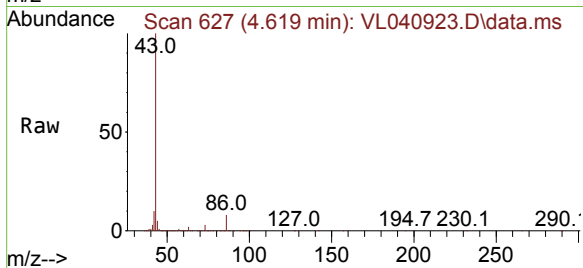


#23
 Vinyl Acetate
 Concen: 11.155 ppbv
 RT: 4.619 min Scan# 61
 Delta R.T. 0.010 min
 Lab File: VL040923.D
 Acq: 21 Dec 2023 9:00

Instrument :
 MSVOA_L
 ClientSampleId :

Tgt Ion: 43 Resp: 1795175

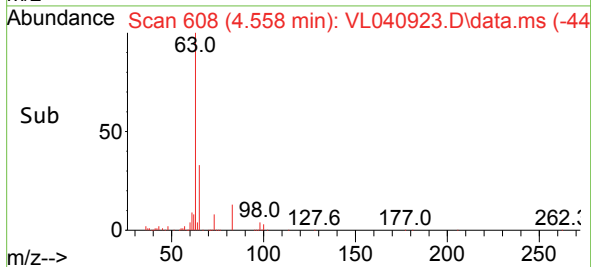
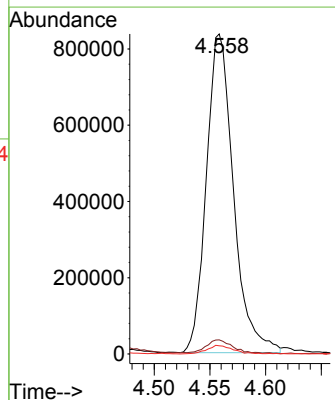
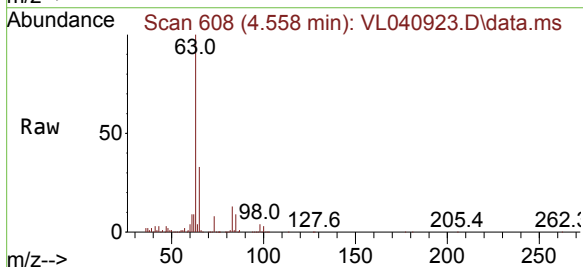
Ion	Ratio	Lower	Upper
43	100		
86	7.5	5.5	8.3
42	10.1	8.4	12.6
44	5.0	4.2	6.4

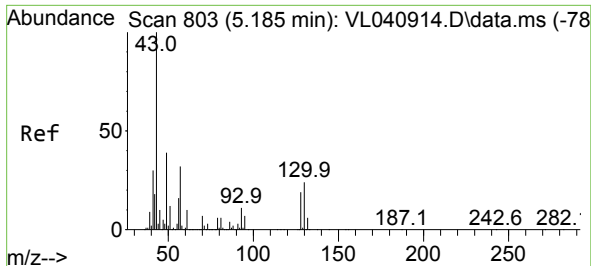


#24
 1,1-Dichloroethane
 Concen: 9.847 ppbv
 RT: 4.558 min Scan# 608
 Delta R.T. 0.010 min
 Lab File: VL040923.D
 Acq: 21 Dec 2023 9:00

Tgt Ion: 63 Resp: 1417490

Ion	Ratio	Lower	Upper
63	100		
98	4.3	2.1	6.5
100	2.6	1.4	4.2



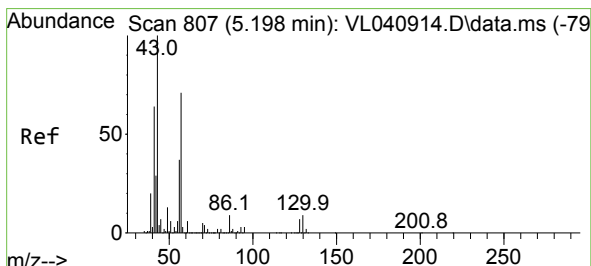
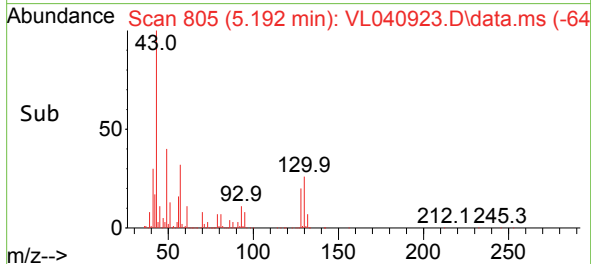
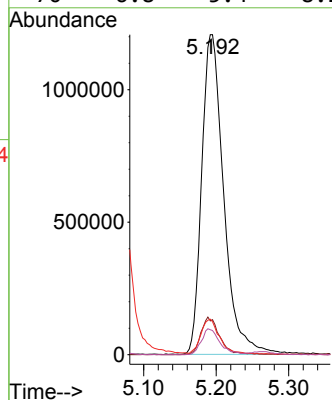
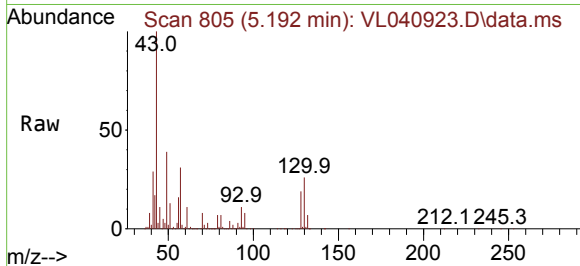


#25
Ethyl Acetate
Concen: 10.067 ppbv
RT: 5.192 min Scan# 804
Delta R.T. 0.006 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 2544547

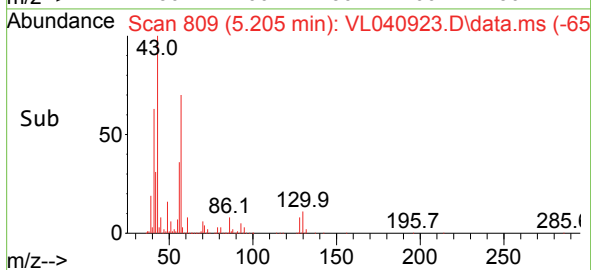
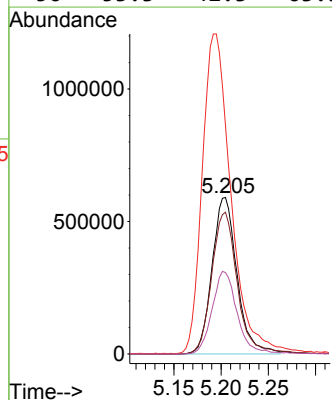
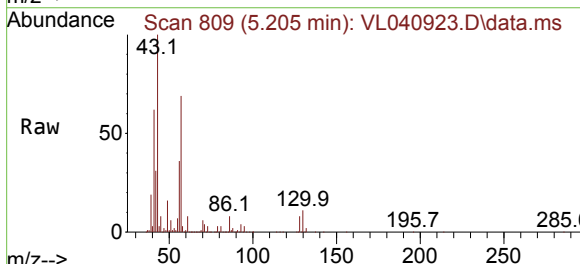
Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.2	12.2
61	9.7	7.6	11.4
70	6.8	5.4	8.2

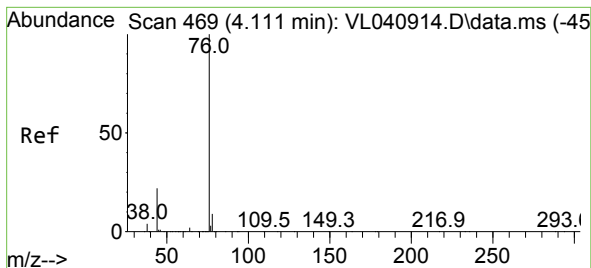


#26
Hexane
Concen: 9.683 ppbv
RT: 5.205 min Scan# 809
Delta R.T. 0.006 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00

Tgt Ion: 57 Resp: 1084690

Ion	Ratio	Lower	Upper
57	100		
41	93.3	75.2	112.8
43	237.4	188.0	282.0
56	53.3	42.3	63.5





#27

Carbon Disulfide

Concen: 9.672 ppbv

RT: 4.121 min Scan# 41

Delta R.T. 0.010 min

Lab File: VL040923.D

Acq: 21 Dec 2023 9:00

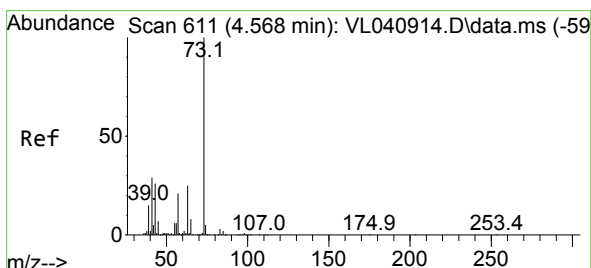
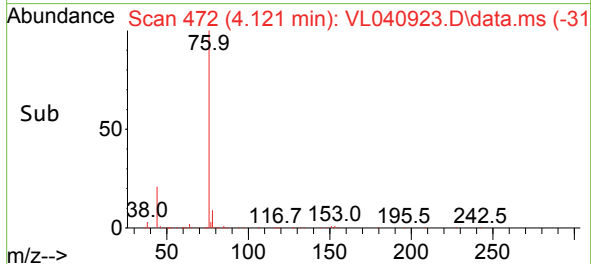
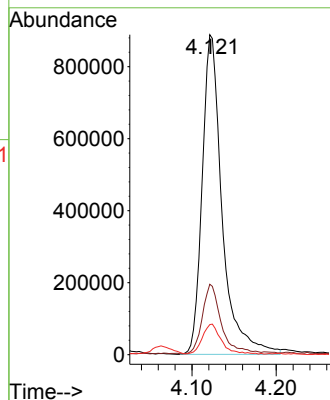
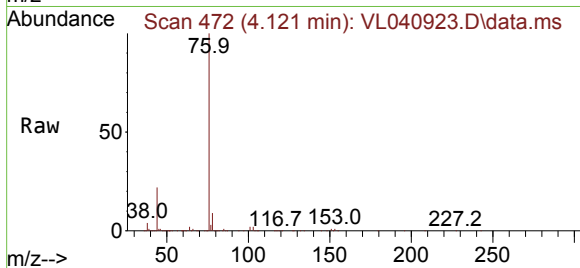
Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 76 Resp: 1466445

Ion	Ratio	Lower	Upper
76	100		
44	21.6	18.4	27.6
78	9.4	7.9	11.9



#28

Methyl tert-Butyl Ether

Concen: 10.252 ppbv

RT: 4.578 min Scan# 614

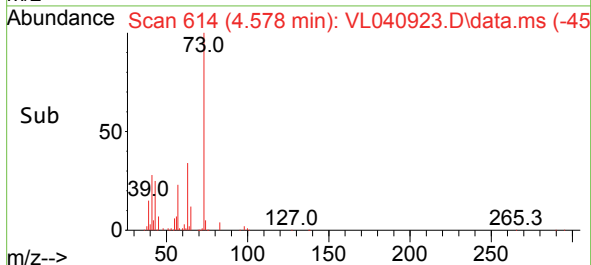
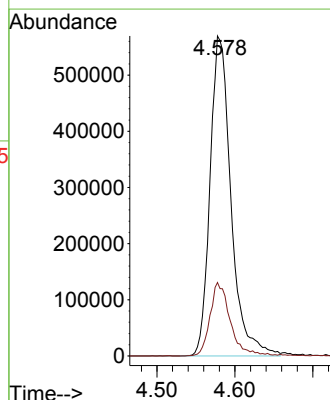
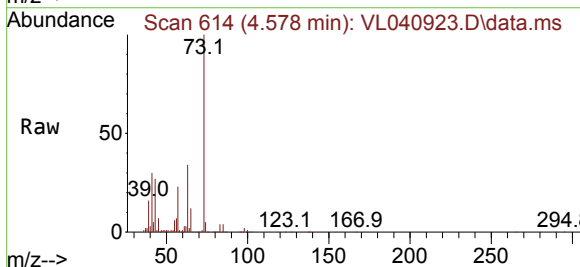
Delta R.T. 0.010 min

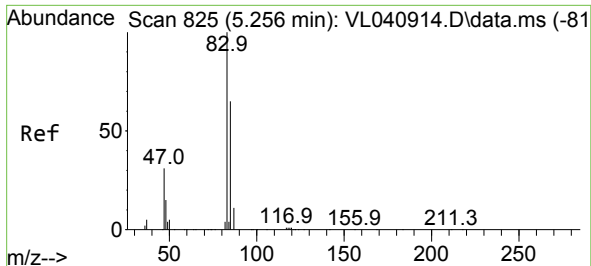
Lab File: VL040923.D

Acq: 21 Dec 2023 9:00

Tgt Ion: 73 Resp: 1065689

Ion	Ratio	Lower	Upper
73	100		
57	22.4	18.0	27.0





#29

Chloroform

Concen: 9.657 ppbv

RT: 5.262 min Scan# 81

Delta R.T. 0.006 min

Lab File: VL040923.D

Acq: 21 Dec 2023 9:00

Instrument :

MSVOA_L

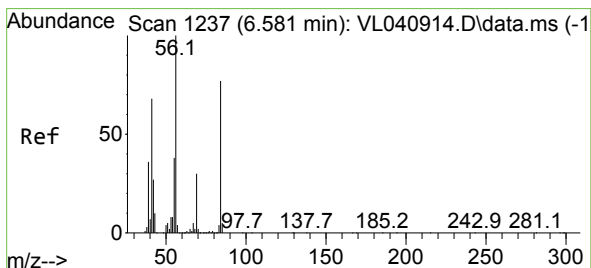
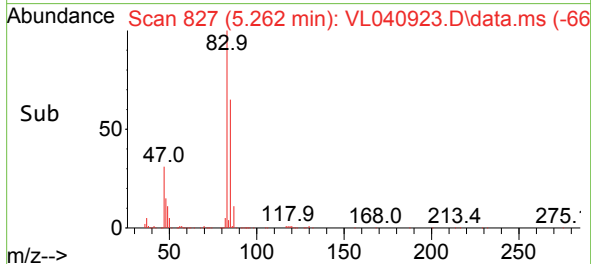
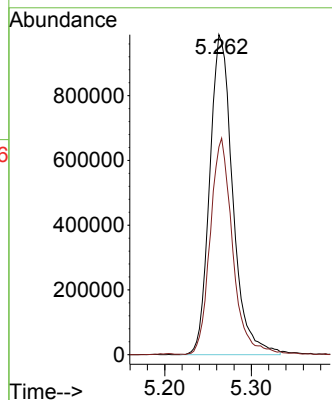
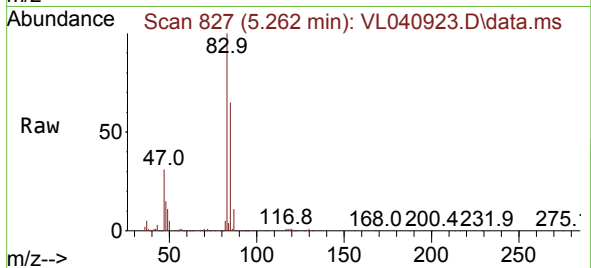
ClientSampleId :

Tgt Ion: 83 Resp: 1825547

Ion Ratio Lower Upper

83 100

85 64.7 52.3 78.5



#30

Cyclohexane

Concen: 9.963 ppbv

RT: 6.584 min Scan# 1238

Delta R.T. 0.003 min

Lab File: VL040923.D

Acq: 21 Dec 2023 9:00

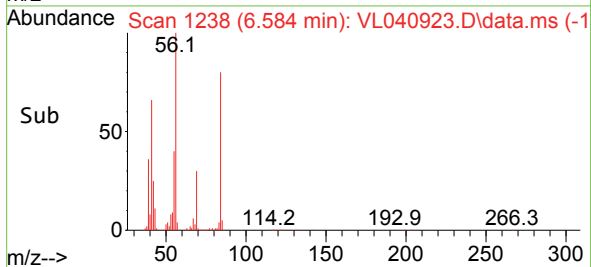
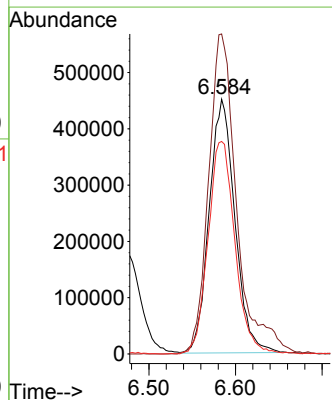
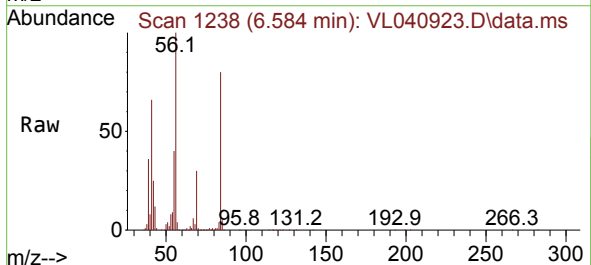
Tgt Ion: 84 Resp: 930506

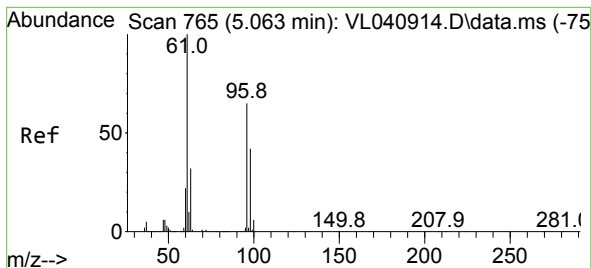
Ion Ratio Lower Upper

84 100

56 138.3 111.4 167.2

41 88.0 70.0 105.0





#31

cis-1,2-Dichloroethene

Concen: 10.027 ppbv

RT: 5.070 min Scan# 765

Delta R.T. 0.006 min

Lab File: VL040923.D

Acq: 21 Dec 2023 9:00

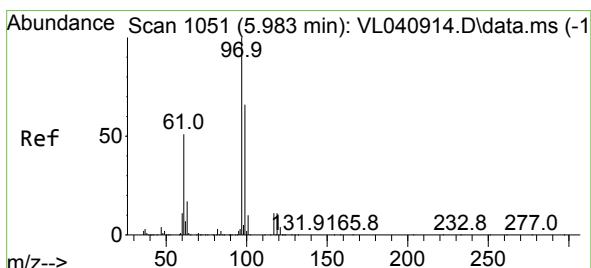
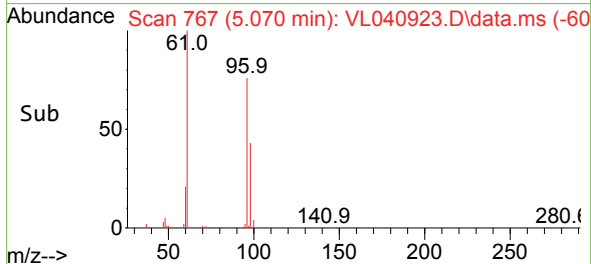
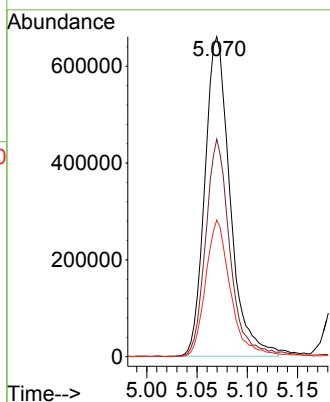
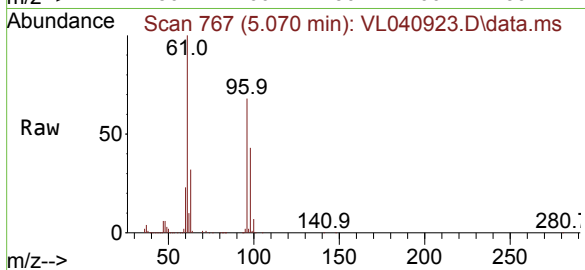
Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 61 Resp: 1153904

Ion	Ratio	Lower	Upper
61	100		
96	67.8	51.7	77.5
98	42.7	33.2	49.8



#32

1,1,1-Trichloroethane

Concen: 10.053 ppbv

RT: 5.986 min Scan# 1052

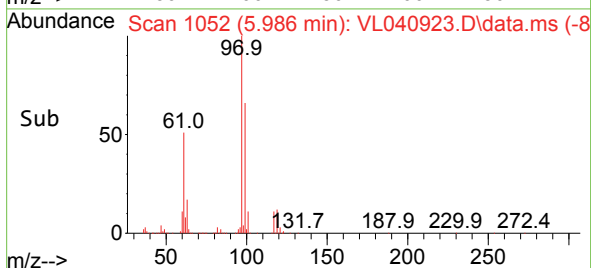
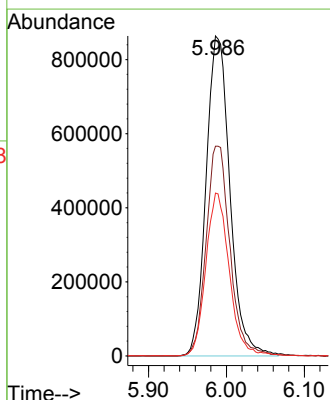
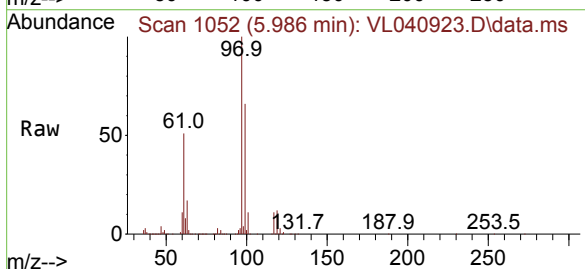
Delta R.T. 0.003 min

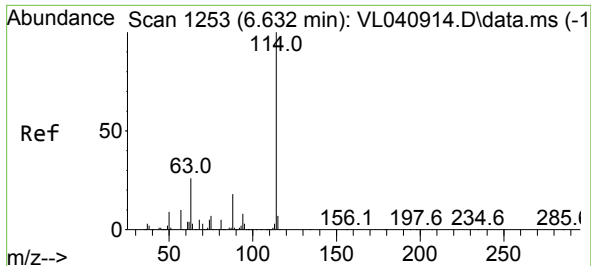
Lab File: VL040923.D

Acq: 21 Dec 2023 9:00

Tgt Ion: 97 Resp: 1837415

Ion	Ratio	Lower	Upper
97	100		
99	65.7	51.8	77.6
61	50.4	41.0	61.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.635 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL040923.D

Acq: 21 Dec 2023 9:00

Instrument :

MSVOA_L

ClientSampleId :

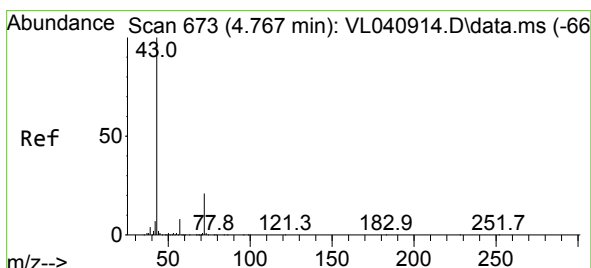
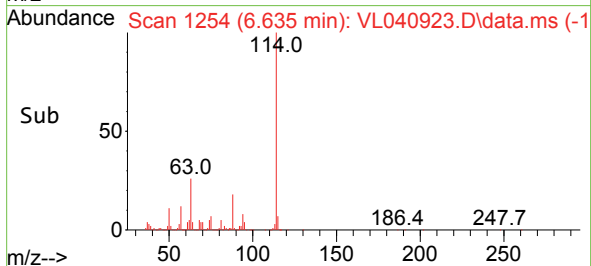
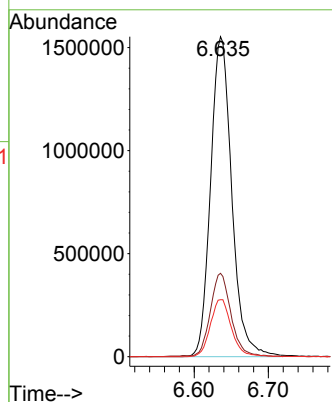
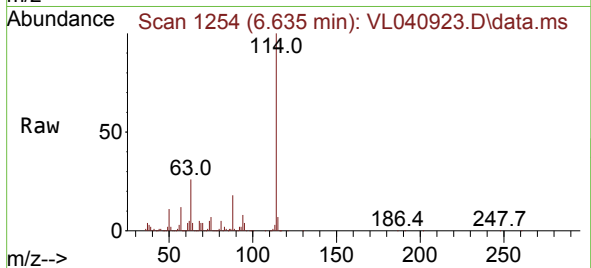
Tgt Ion:114 Resp: 3070256

Ion Ratio Lower Upper

114 100

63 26.0 21.0 31.6

88 17.8 14.3 21.5



#34

2-Butanone

Concen: 9.779 ppbv

RT: 4.777 min Scan# 676

Delta R.T. 0.010 min

Lab File: VL040923.D

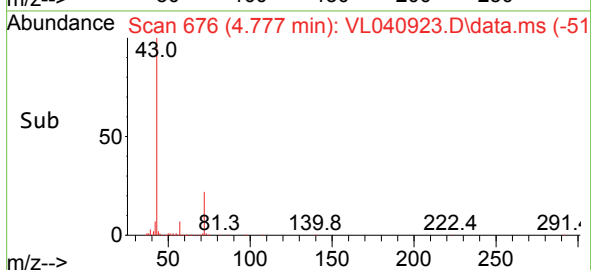
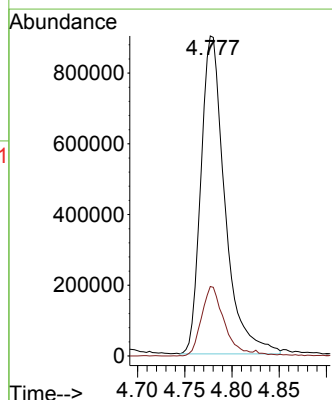
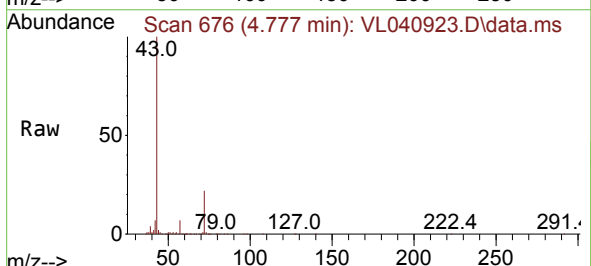
Acq: 21 Dec 2023 9:00

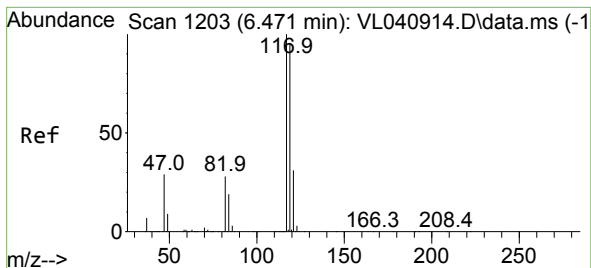
Tgt Ion: 43 Resp: 1588197

Ion Ratio Lower Upper

43 100

72 21.6 17.2 25.8





#35

Carbon Tetrachloride

Concen: 10.162 ppbv

RT: 6.478 min Scan# 1167

Delta R.T. 0.006 min

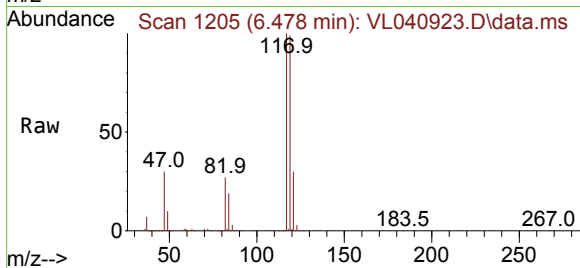
Lab File: VL040923.D

Acq: 21 Dec 2023 9:00

Instrument :

MSVOA_L

ClientSampleId :



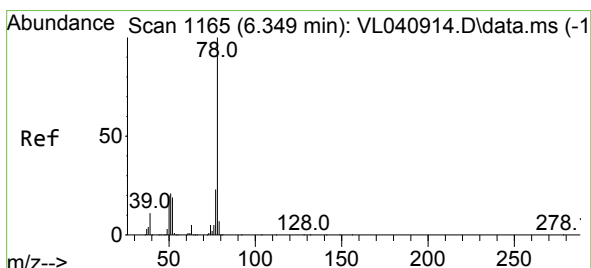
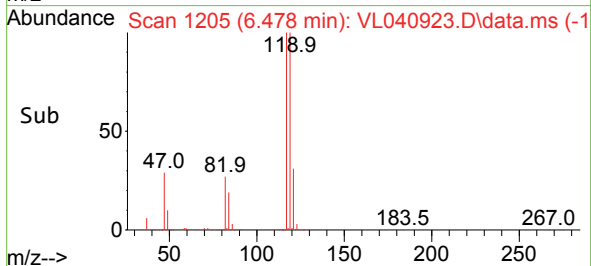
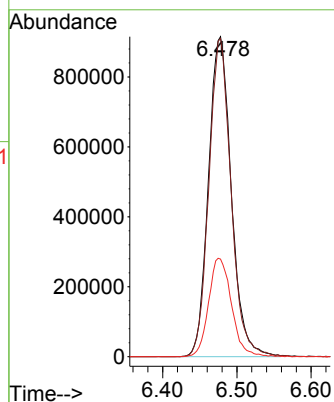
Tgt Ion:117 Resp: 1953926

Ion Ratio Lower Upper

117 100

119 99.4 76.3 114.5

121 30.5 24.9 37.3



#36

Benzene

Concen: 9.693 ppbv

RT: 6.356 min Scan# 1167

Delta R.T. 0.006 min

Lab File: VL040923.D

Acq: 21 Dec 2023 9:00

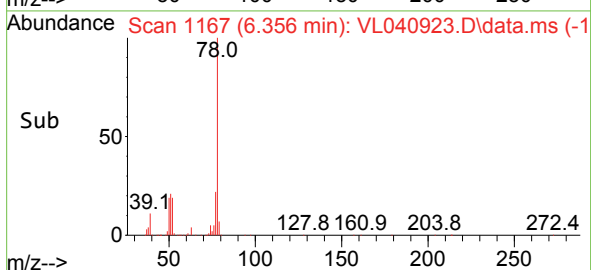
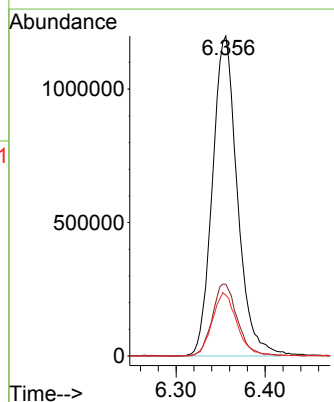
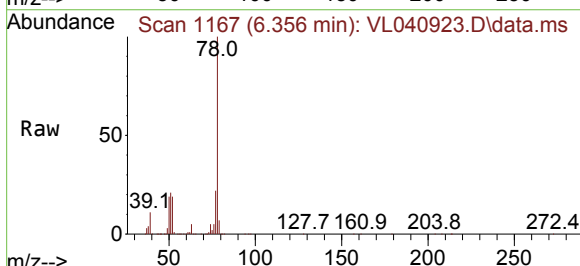
Tgt Ion: 78 Resp: 2326347

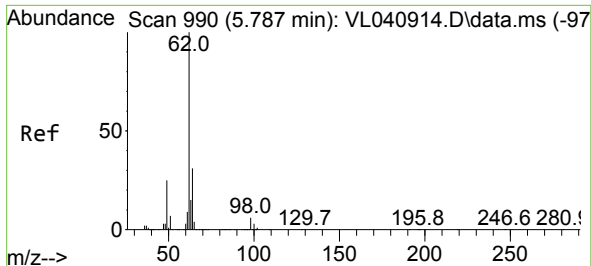
Ion Ratio Lower Upper

78 100

77 22.4 18.4 27.6

50 18.9 16.0 24.0





#37

1,2-Dichloroethane

Concen: 9.881 ppbv

RT: 5.793 min Scan# 990

Delta R.T. 0.006 min

Lab File: VL040923.D

Acq: 21 Dec 2023 9:00

Instrument :

MSVOA_L

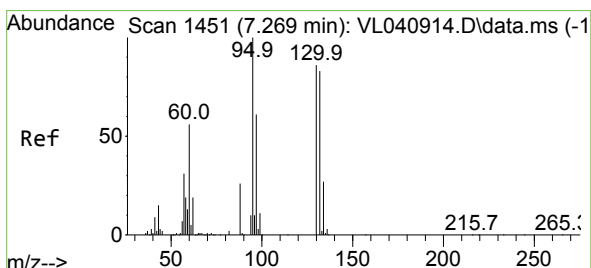
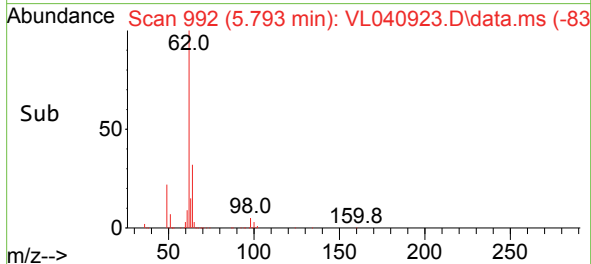
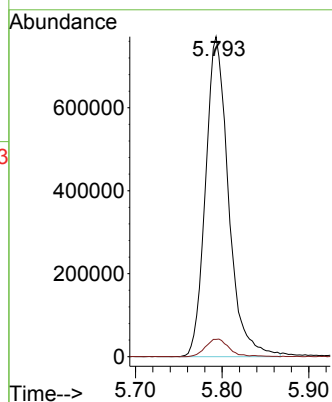
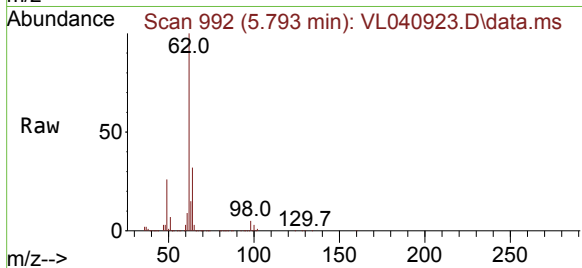
ClientSampleId :

Tgt Ion: 62 Resp: 1421024

Ion Ratio Lower Upper

62 100

98 5.8 4.6 7.0



#38

Trichloroethene

Concen: 9.969 ppbv

RT: 7.272 min Scan# 1452

Delta R.T. 0.003 min

Lab File: VL040923.D

Acq: 21 Dec 2023 9:00

Tgt Ion:130 Resp: 898653

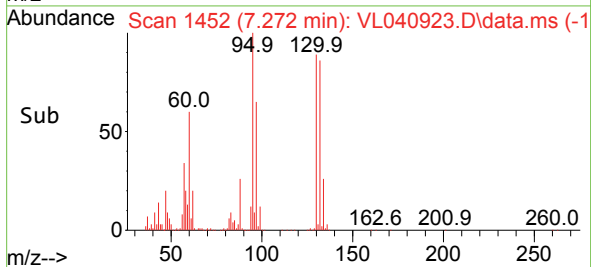
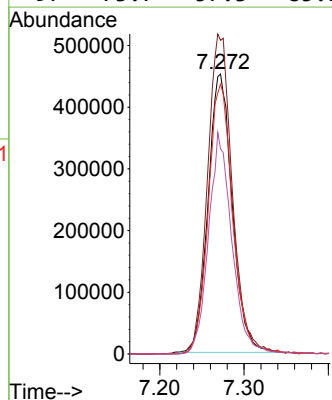
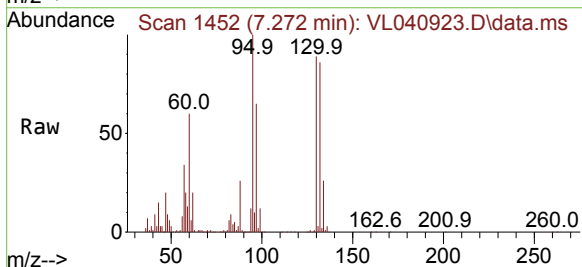
Ion Ratio Lower Upper

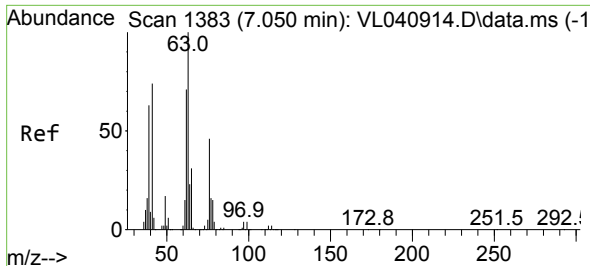
130 100

95 112.6 93.5 140.3

132 96.8 77.4 116.2

97 73.7 57.3 85.9





#39

1,2-Dichloropropane

Concen: 9.696 ppbv

RT: 7.053 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL040923.D

Acq: 21 Dec 2023 9:00

Instrument :

MSVOA_L

ClientSampleId :

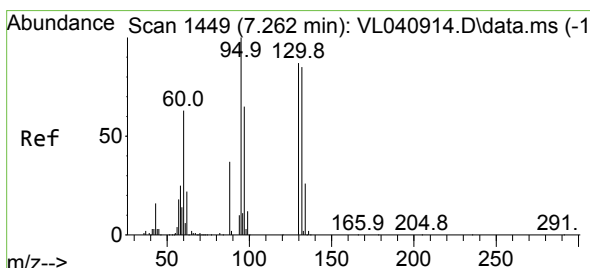
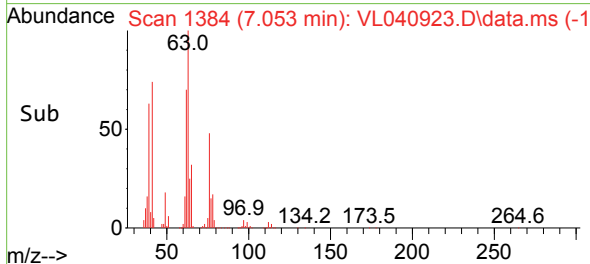
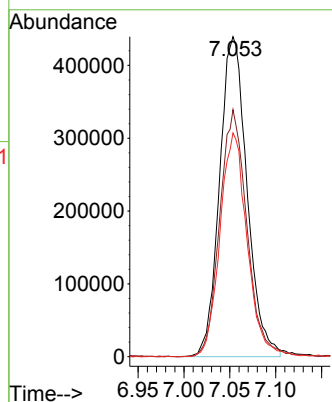
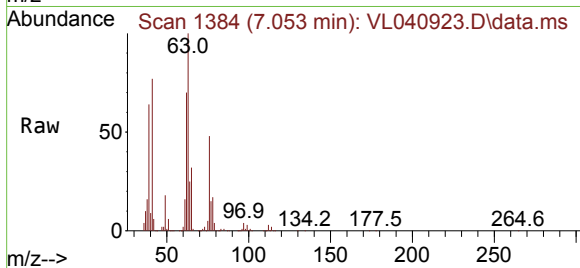
Tgt Ion: 63 Resp: 914476

Ion Ratio Lower Upper

63 100

41 77.2 59.0 88.6

62 69.9 56.6 85.0



#40

1,4-Dioxane

Concen: 9.352 ppbv

RT: 7.259 min Scan# 1448

Delta R.T. -0.003 min

Lab File: VL040923.D

Acq: 21 Dec 2023 9:00

Tgt Ion: 88 Resp: 372421

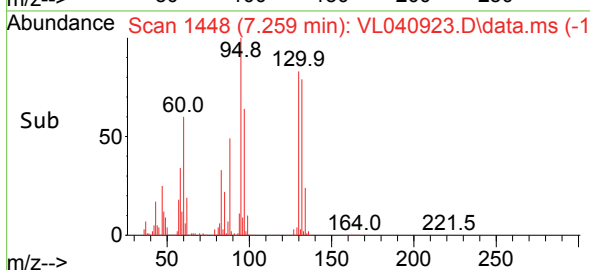
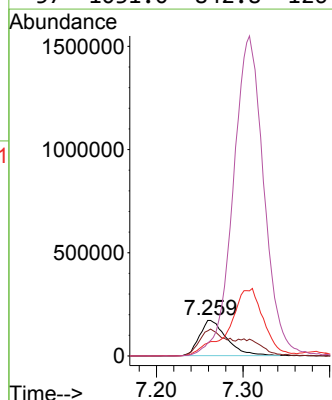
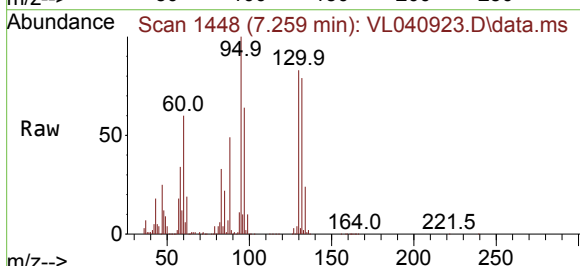
Ion Ratio Lower Upper

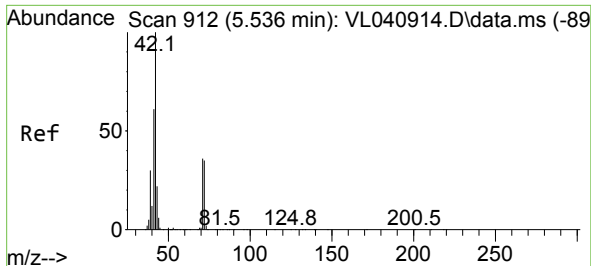
88 100

58 120.5 97.3 145.9

43 244.5 200.6 300.8

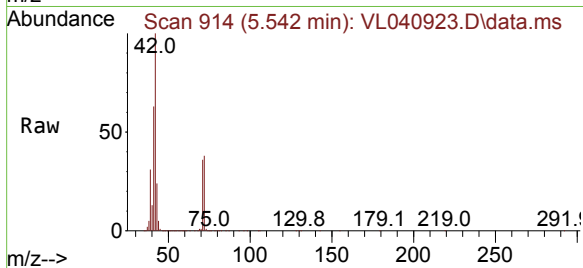
57 1031.0 842.8 1264.2



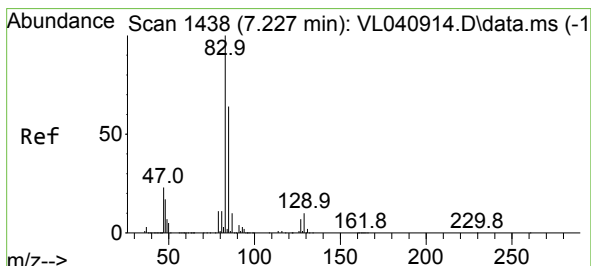
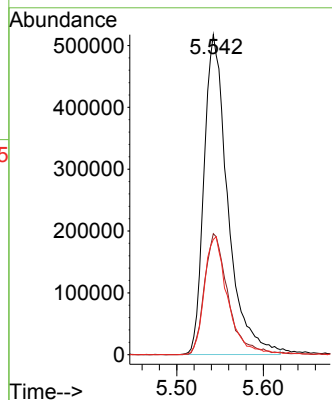
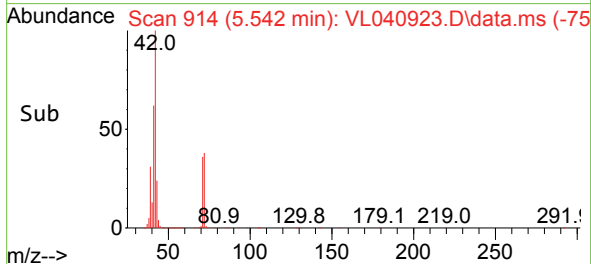


#41
Tetrahydrofuran
Concen: 9.948 ppbv
RT: 5.542 min Scan# 912
Delta R.T. 0.006 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00

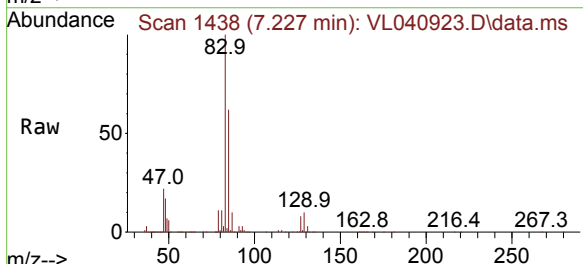
Instrument :
MSVOA_L
ClientSampleId :



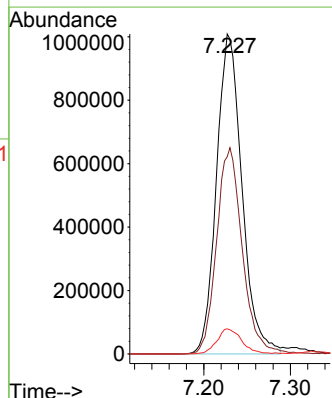
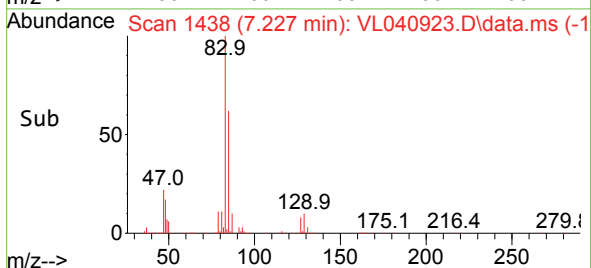
Tgt Ion: 42 Resp: 982964
Ion Ratio Lower Upper
42 100
72 38.3 29.6 44.4
71 37.3 29.1 43.7

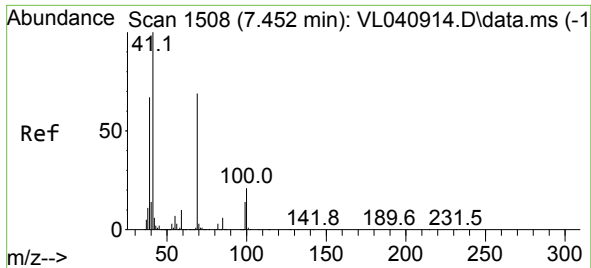


#42
Bromodichloromethane
Concen: 9.943 ppbv
RT: 7.227 min Scan# 1438
Delta R.T. 0.000 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00



Tgt Ion: 83 Resp: 2062380
Ion Ratio Lower Upper
83 100
85 61.6 51.4 77.0
127 7.9 5.9 8.9

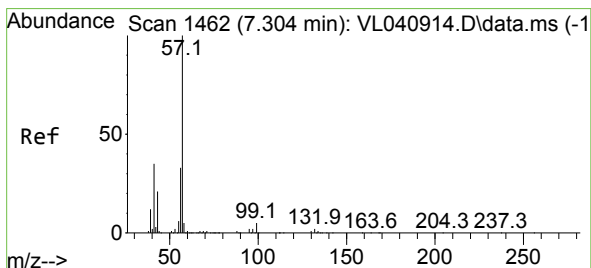
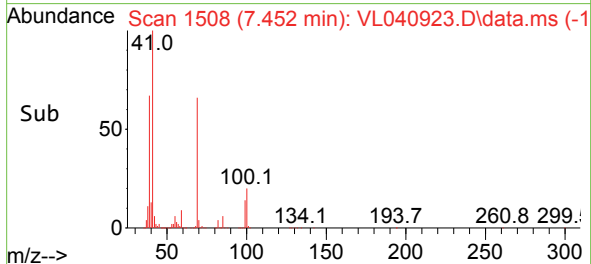
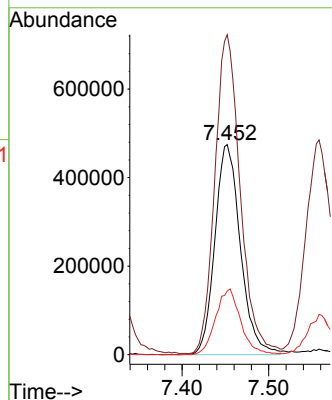
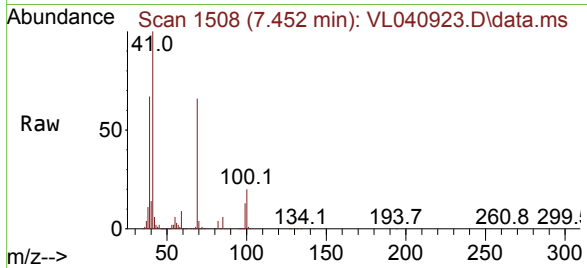




#43
Methyl Methacrylate
Concen: 10.296 ppbv
RT: 7.452 min Scan# 1508
Delta R.T. 0.000 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00

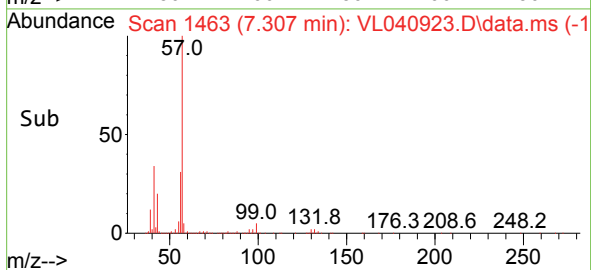
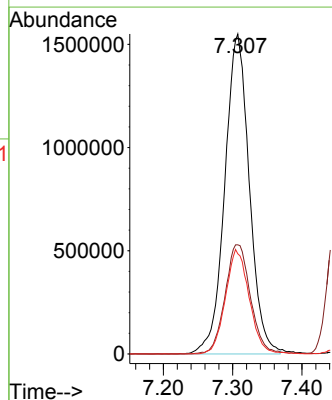
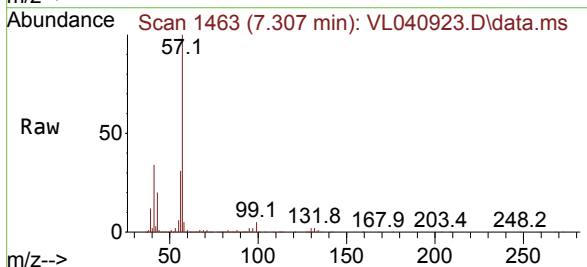
Instrument :
MSVOA_L
ClientSampleId :

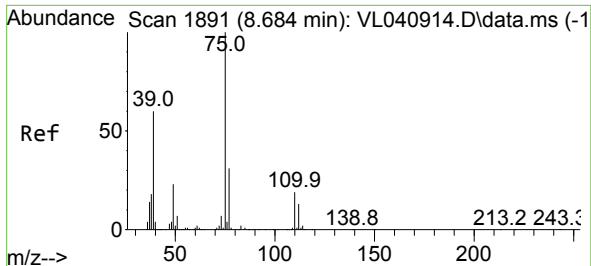
Tgt Ion: 69 Resp: 969281
Ion Ratio Lower Upper
69 100
41 152.4 119.9 179.9
100 30.9 25.1 37.7



#44
2,2,4-Trimethylpentane
Concen: 9.360 ppbv
RT: 7.307 min Scan# 1463
Delta R.T. 0.003 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00

Tgt Ion: 57 Resp: 3815928
Ion Ratio Lower Upper
57 100
41 35.4 28.2 42.4
56 31.8 25.3 37.9

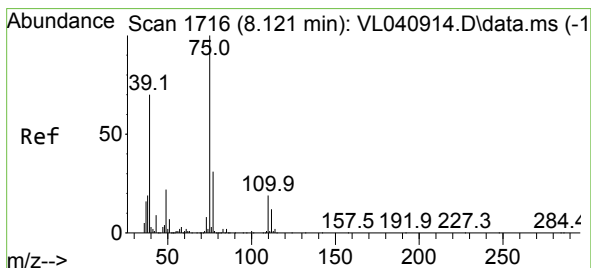
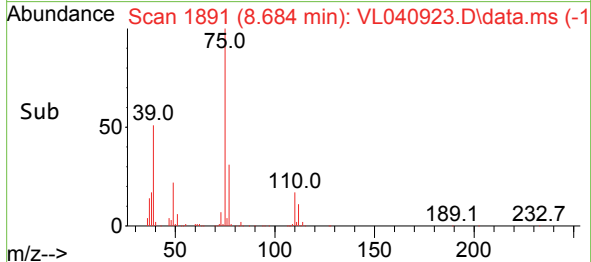
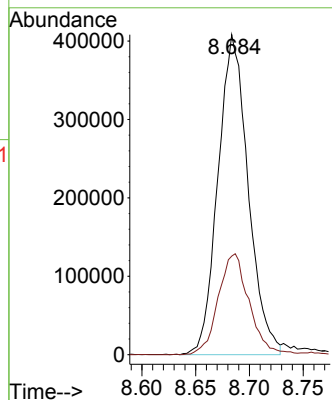
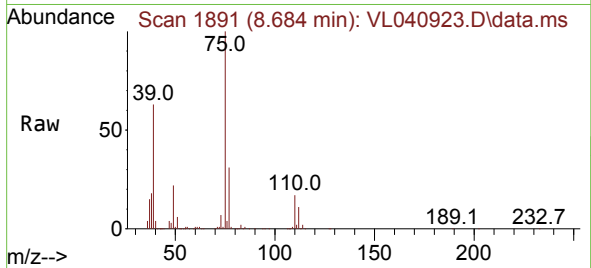




#45
t-1,3-Dichloropropene
Concen: 11.420 ppbv
RT: 8.684 min Scan# 1891
Delta R.T. 0.000 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00

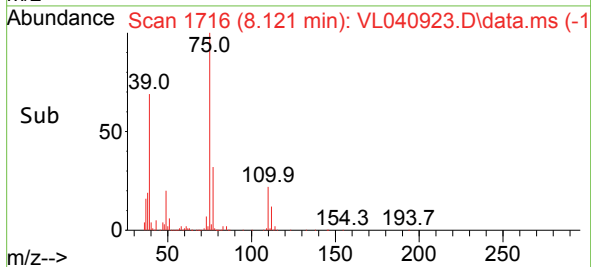
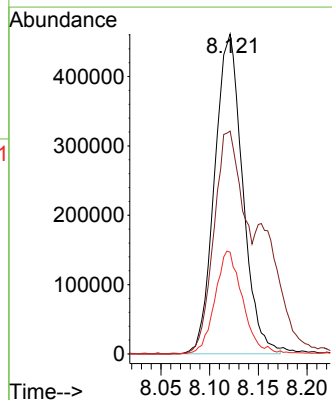
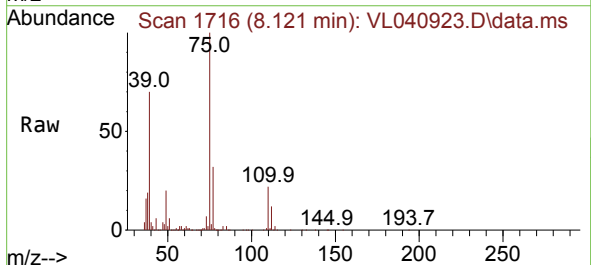
Instrument :
MSVOA_L
ClientSampleId :

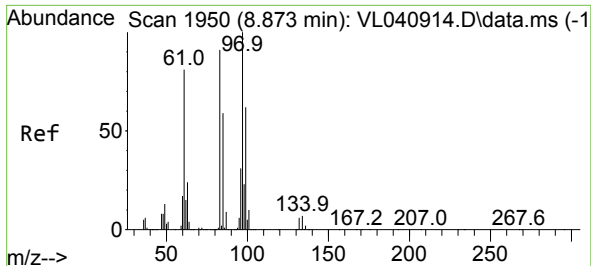
Tgt Ion: 75 Resp: 797614
Ion Ratio Lower Upper
75 100
77 30.8 24.8 37.2



#46
cis-1,3-Dichloropropene
Concen: 10.677 ppbv
RT: 8.121 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00

Tgt Ion: 75 Resp: 923295
Ion Ratio Lower Upper
75 100
39 69.6 56.2 84.4
77 31.8 24.5 36.7





#47

1,1,2-Trichloroethane

Concen: 9.731 ppbv

RT: 8.873 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VL040923.D

Acq: 21 Dec 2023 9:00

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 97 Resp: 973574

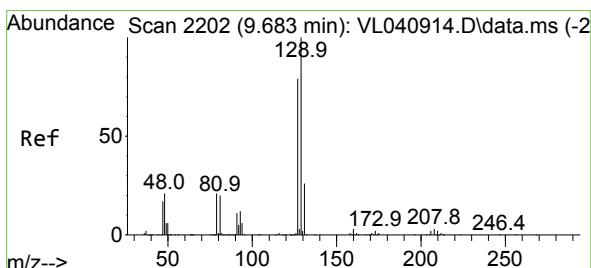
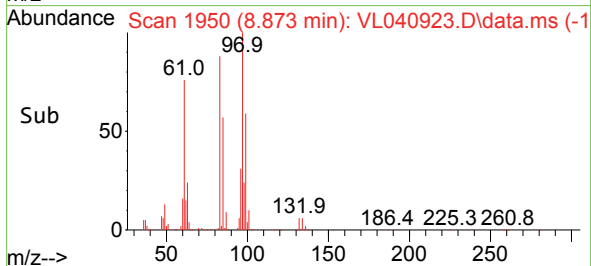
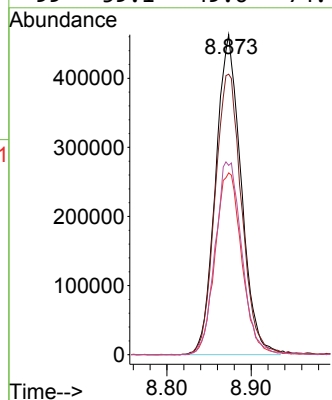
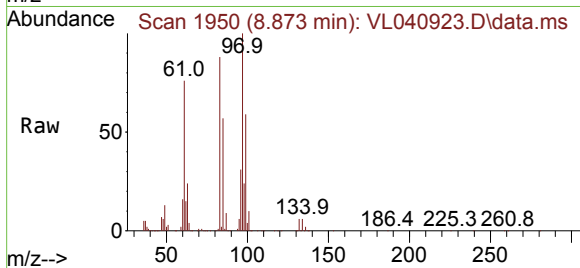
Ion Ratio Lower Upper

97 100

83 87.6 72.6 108.8

85 56.8 47.4 71.0

99 59.1 49.6 74.4



#48

Dibromochloromethane

Concen: 10.304 ppbv

RT: 9.680 min Scan# 2201

Delta R.T. -0.003 min

Lab File: VL040923.D

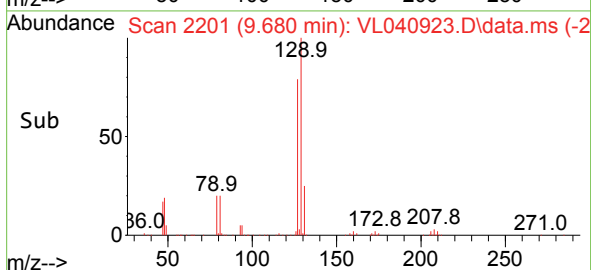
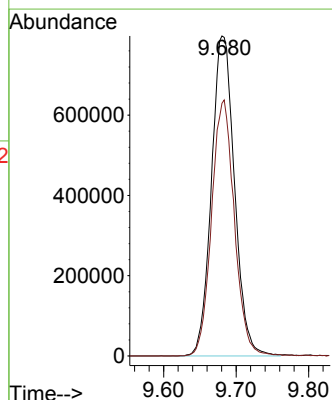
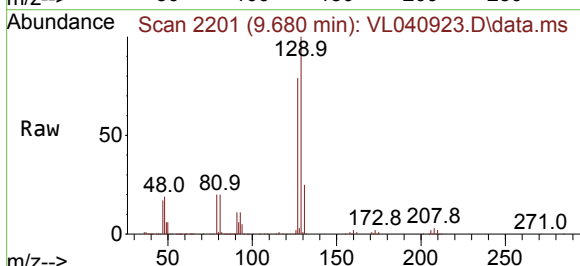
Acq: 21 Dec 2023 9:00

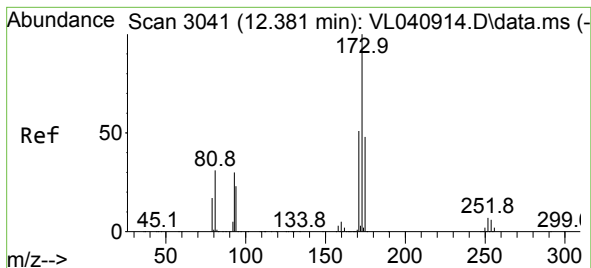
Tgt Ion: 129 Resp: 1759798

Ion Ratio Lower Upper

129 100

127 79.2 39.6 119.0





#49

Bromoform

Concen: 10.589 ppbv

RT: 12.375 min Scan# 3041

Delta R.T. -0.006 min

Lab File: VL040923.D

Acq: 21 Dec 2023 9:00

Instrument :

MSVOA_L

ClientSampleId :

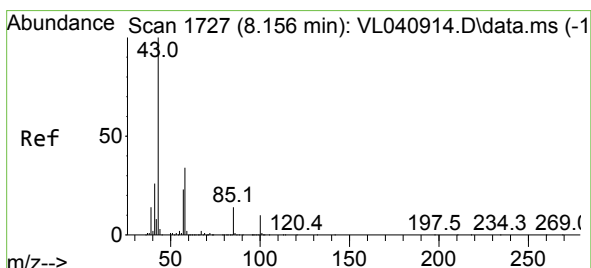
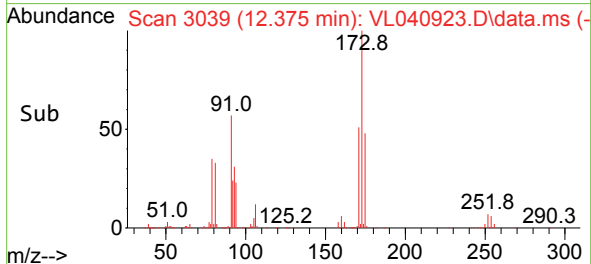
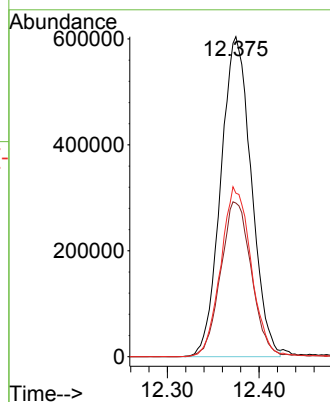
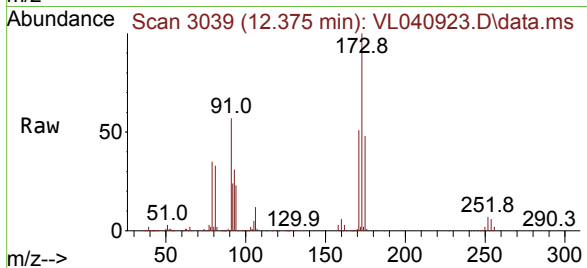
Tgt Ion:173 Resp: 1395351

Ion Ratio Lower Upper

173 100

175 49.2 39.3 58.9

171 53.5 41.8 62.6



#50

4-Methyl-2-Pentanone

Concen: 10.002 ppbv

RT: 8.156 min Scan# 1727

Delta R.T. 0.000 min

Lab File: VL040923.D

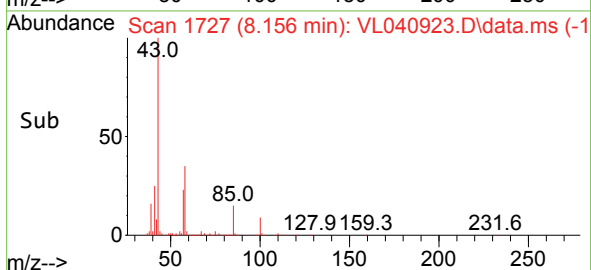
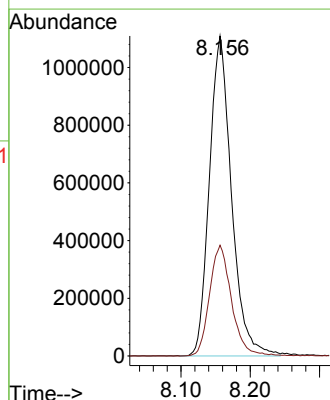
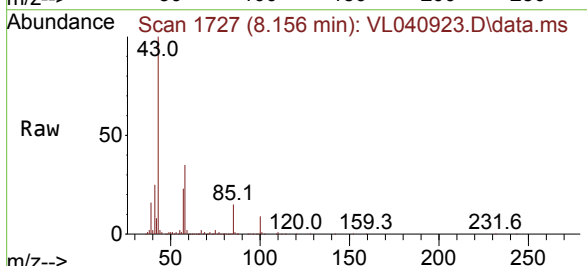
Acq: 21 Dec 2023 9:00

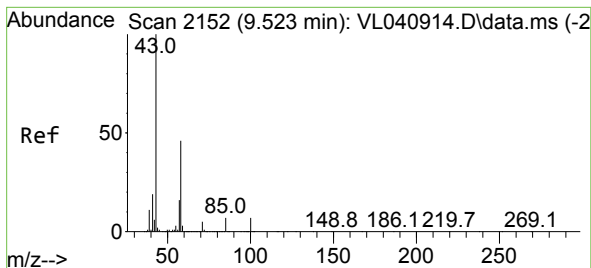
Tgt Ion: 43 Resp: 2460300

Ion Ratio Lower Upper

43 100

58 34.5 27.4 41.0

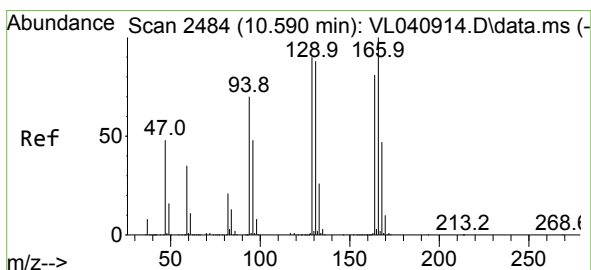
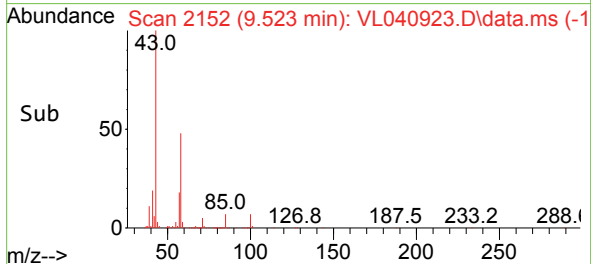
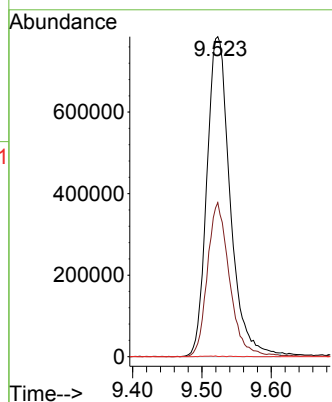
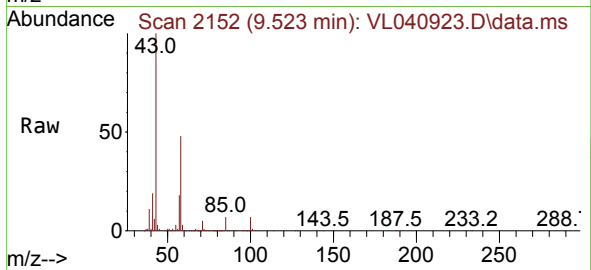




#51
2-Hexanone
Concen: 10.341 ppbv
RT: 9.523 min Scan# 2152
Delta R.T. 0.000 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00

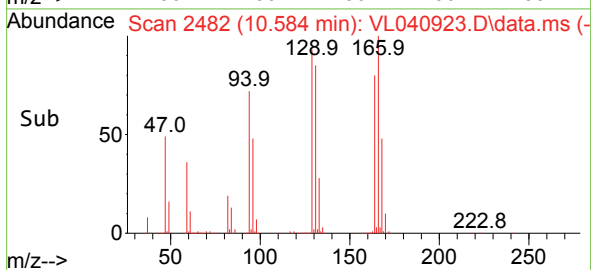
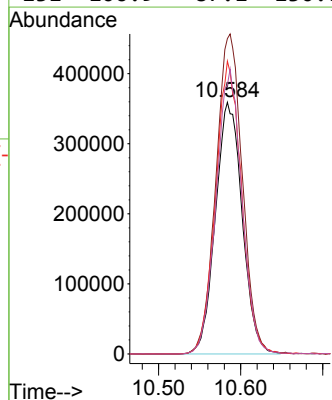
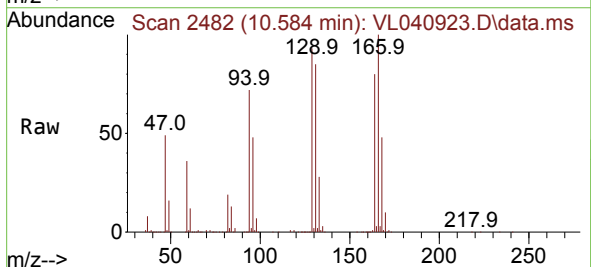
Instrument :
MSVOA_L
ClientSampleId :

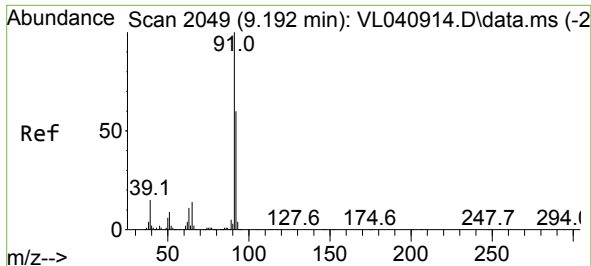
Tgt Ion: 43 Resp: 1830765
Ion Ratio Lower Upper
43 100
58 46.4 37.3 55.9
98 0.2 0.2 0.2



#52
Tetrachloroethene
Concen: 10.042 ppbv
RT: 10.584 min Scan# 2482
Delta R.T. -0.006 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00

Tgt Ion: 164 Resp: 811920
Ion Ratio Lower Upper
164 100
166 125.3 98.9 148.3
129 116.3 88.7 133.1
131 106.9 87.1 130.7

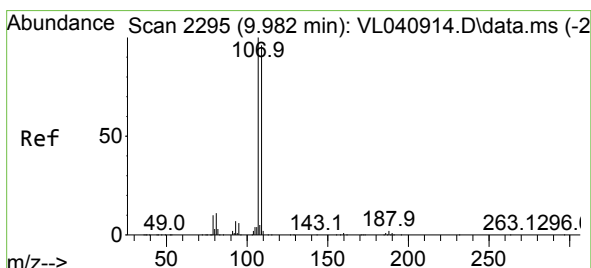
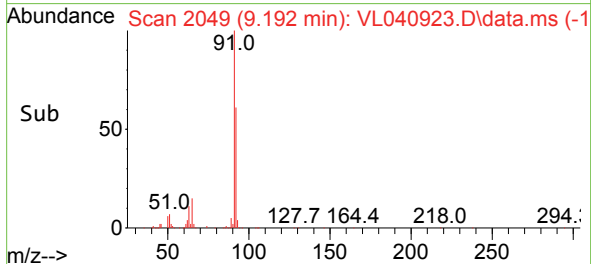
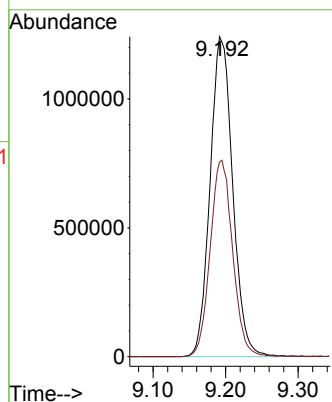
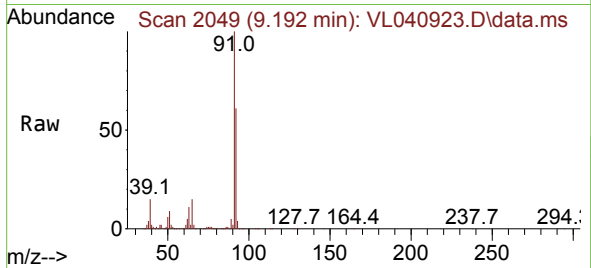




#53
Toluene
Concen: 10.103 ppbv
RT: 9.192 min Scan# 2049
Delta R.T. 0.000 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00

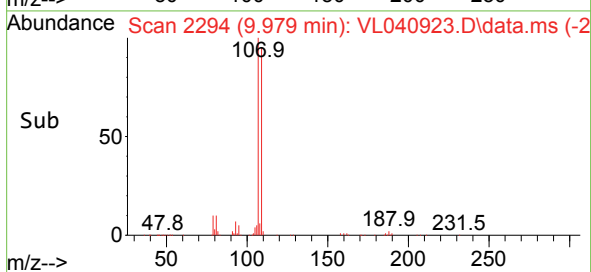
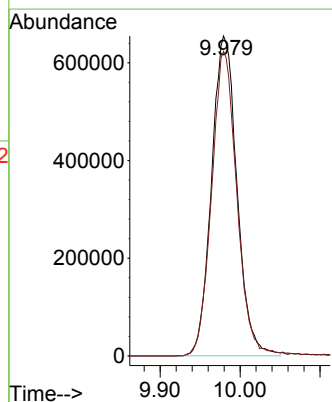
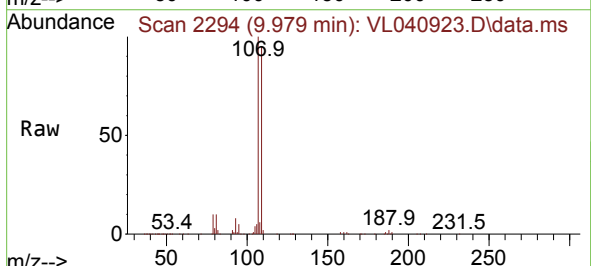
Instrument :
MSVOA_L
ClientSampleId :

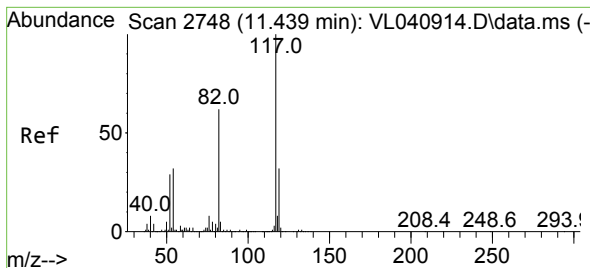
Tgt Ion: 91 Resp: 2688873
Ion Ratio Lower Upper
91 100
92 61.1 49.2 73.8



#54
1,2-Dibromoethane
Concen: 10.532 ppbv
RT: 9.979 min Scan# 2294
Delta R.T. -0.003 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00

Tgt Ion: 107 Resp: 1446004
Ion Ratio Lower Upper
107 100
109 95.1 77.0 115.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.436 min Scan# 21

Delta R.T. -0.003 min

Lab File: VL040923.D

Acq: 21 Dec 2023 9:00

Instrument :

MSVOA_L

ClientSampleId :

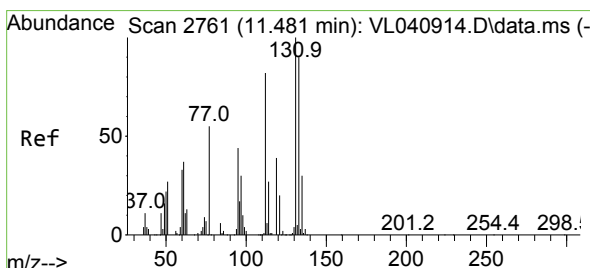
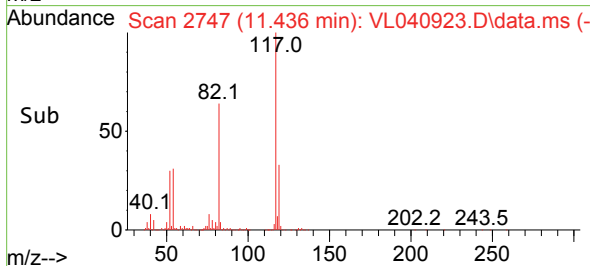
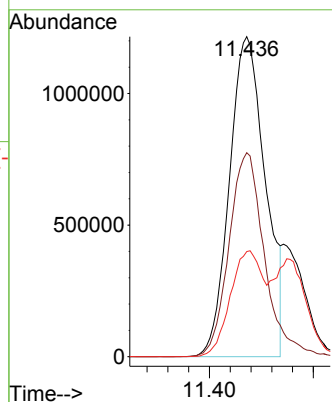
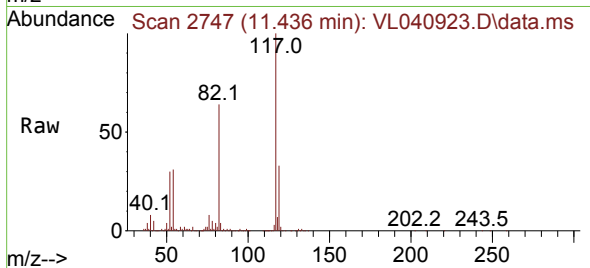
Tgt Ion:117 Resp: 2924814

Ion Ratio Lower Upper

117 100

82 63.3 49.6 74.4

119 29.9 23.4 35.0



#56

1,1,1,2-Tetrachloroethane

Concen: 9.704 ppbv

RT: 11.478 min Scan# 2760

Delta R.T. -0.003 min

Lab File: VL040923.D

Acq: 21 Dec 2023 9:00

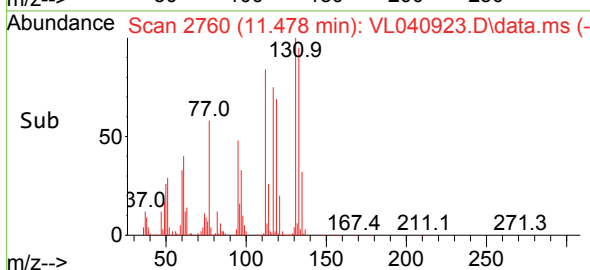
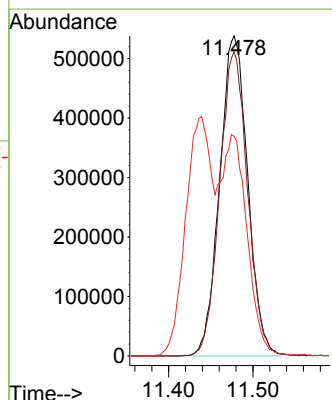
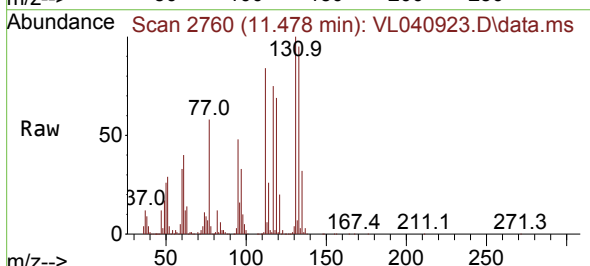
Tgt Ion:131 Resp: 1241097

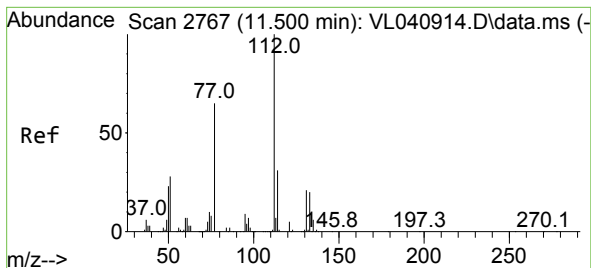
Ion Ratio Lower Upper

131 100

133 95.1 76.3 114.5

119 57.4 48.6 73.0

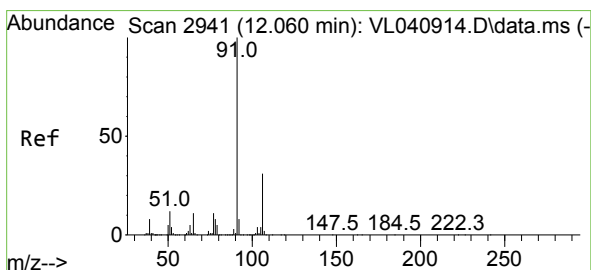
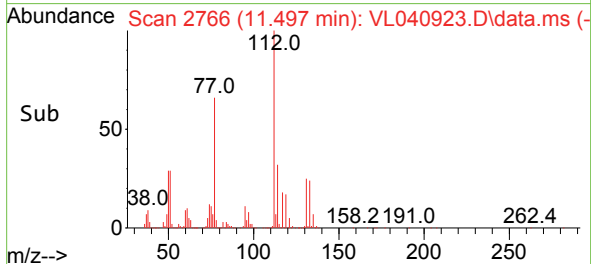
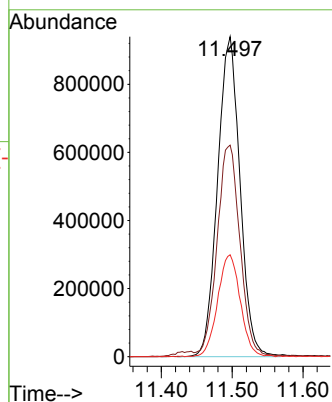
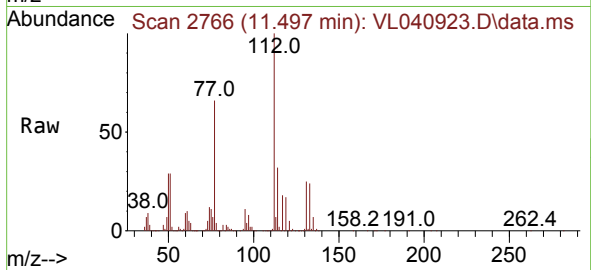




#57
Chlorobenzene
Concen: 9.599 ppbv
RT: 11.497 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00

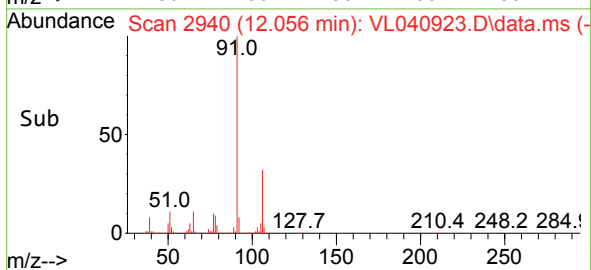
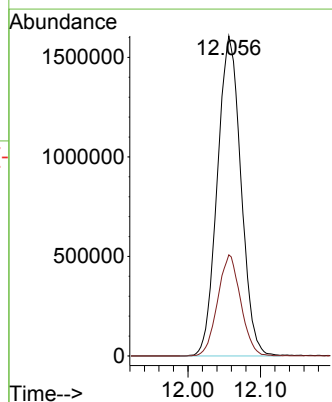
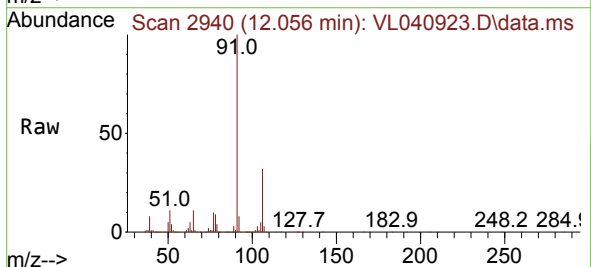
Instrument :
MSVOA_L
ClientSampleId :

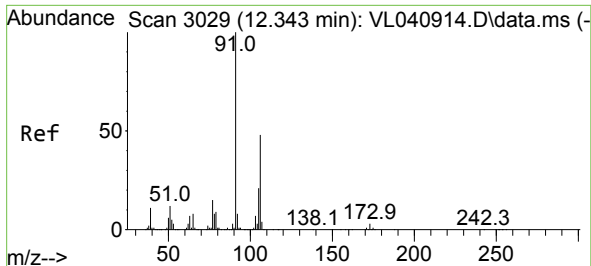
Tgt Ion:112 Resp: 2067448
Ion Ratio Lower Upper
112 100
77 65.7 52.7 79.1
114 31.8 28.4 34.7



#58
Ethyl Benzene
Concen: 9.671 ppbv
RT: 12.056 min Scan# 2940
Delta R.T. -0.003 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00

Tgt Ion: 91 Resp: 3633101
Ion Ratio Lower Upper
91 100
106 31.6 24.9 37.3





#59

m/p-Xylene

Concen: 10.848 ppbv

RT: 12.343 min Scan# 3029

Delta R.T. 0.000 min

Lab File: VL040923.D

Acq: 21 Dec 2023 9:00

Instrument :

MSVOA_L

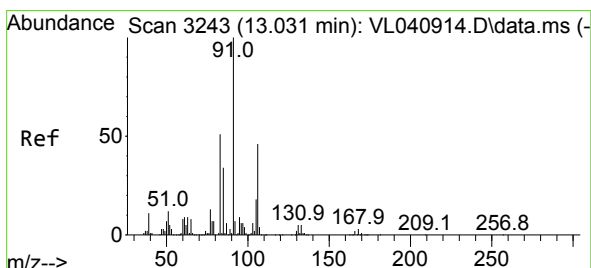
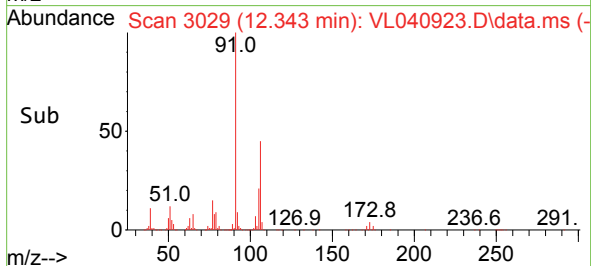
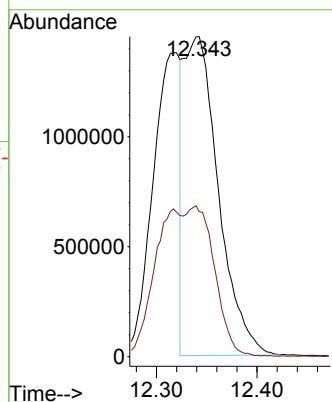
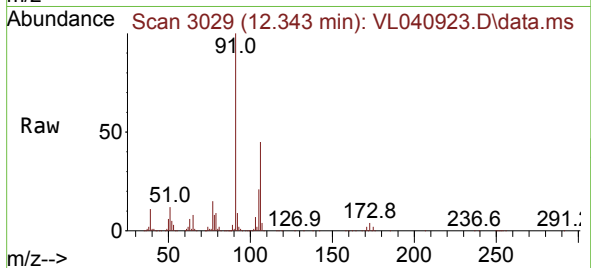
ClientSampleId :

Tgt Ion: 91 Resp: 3466257

Ion Ratio Lower Upper

91 100

106 78.3 0.0 0.0#



#60

o-Xylene

Concen: 9.621 ppbv

RT: 13.024 min Scan# 3241

Delta R.T. -0.006 min

Lab File: VL040923.D

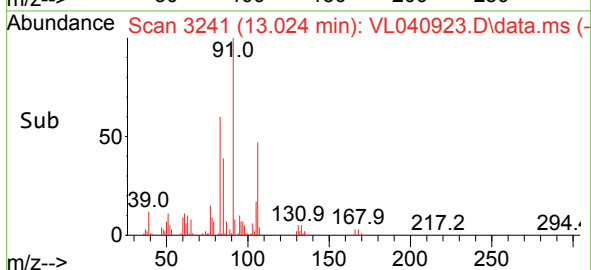
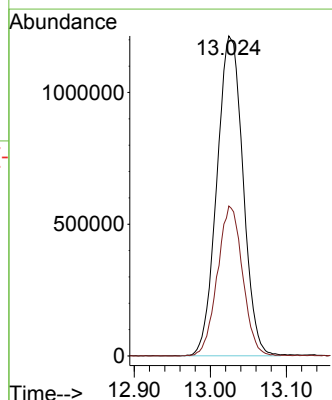
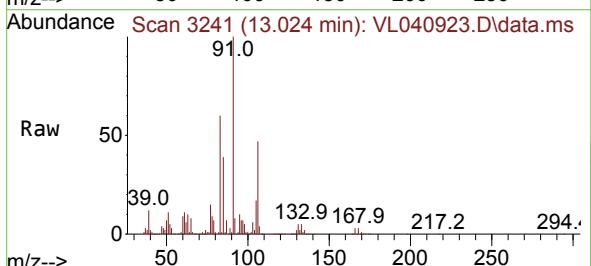
Acq: 21 Dec 2023 9:00

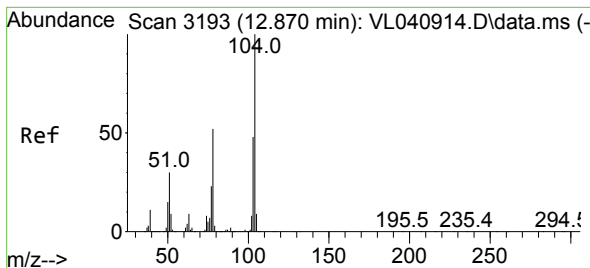
Tgt Ion: 91 Resp: 2896824

Ion Ratio Lower Upper

91 100

106 45.4 22.6 67.7





#61

Styrene

Concen: 10.810 ppbv

RT: 12.867 min Scan# 3193

Delta R.T. -0.003 min

Lab File: VL040923.D

Acq: 21 Dec 2023 9:00

Instrument :

MSVOA_L

ClientSampleId :

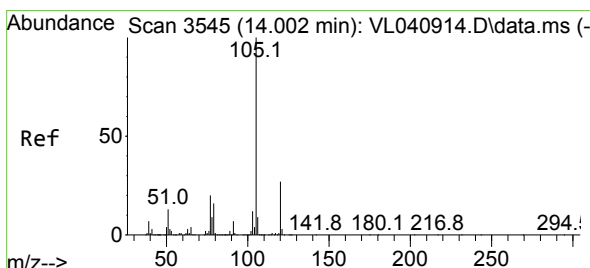
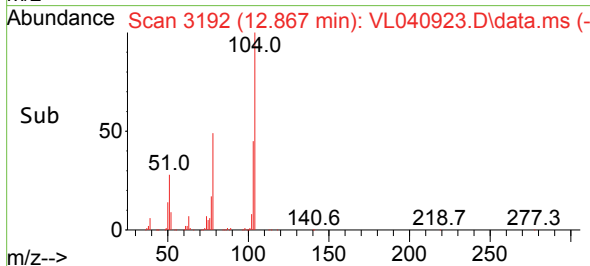
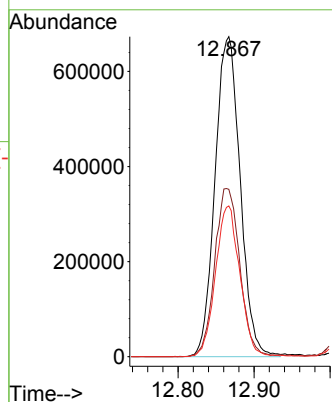
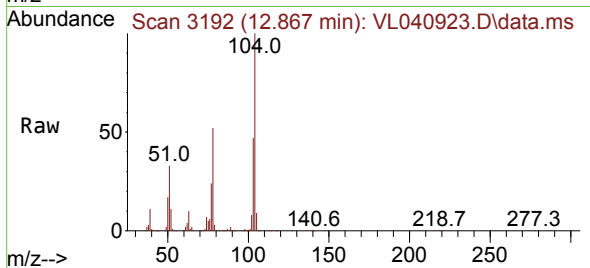
Tgt Ion:104 Resp: 1547153

Ion Ratio Lower Upper

104 100

78 52.8 43.0 64.4

103 45.9 37.6 56.4



#62

Isopropylbenzene

Concen: 9.518 ppbv

RT: 13.995 min Scan# 3543

Delta R.T. -0.006 min

Lab File: VL040923.D

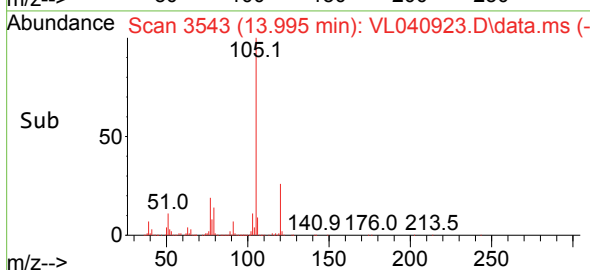
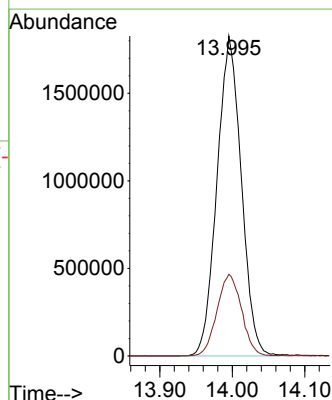
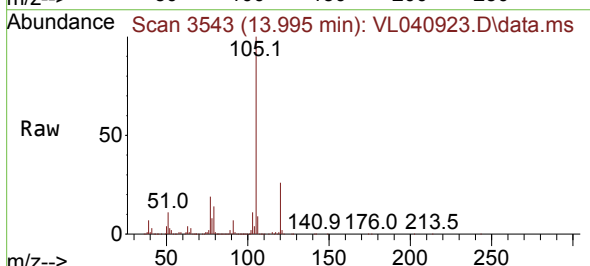
Acq: 21 Dec 2023 9:00

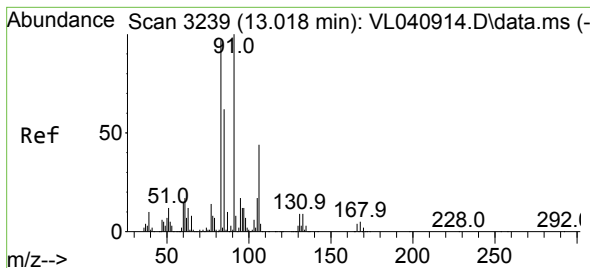
Tgt Ion:105 Resp: 4249639

Ion Ratio Lower Upper

105 100

120 25.9 20.7 31.1

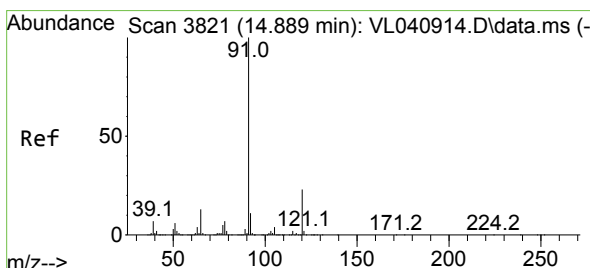
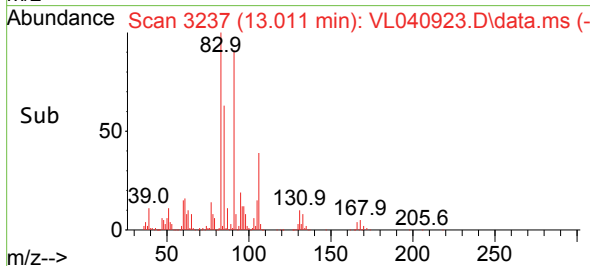
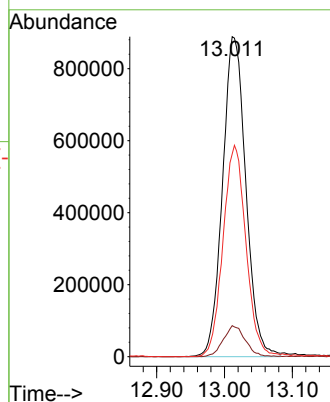
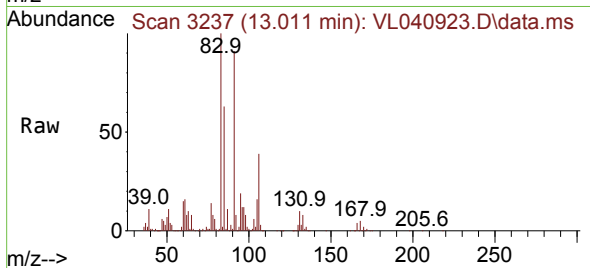




#63
1,1,2,2-Tetrachloroethane
Concen: 9.784 ppbv
RT: 13.011 min Scan# 31
Delta R.T. -0.006 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00

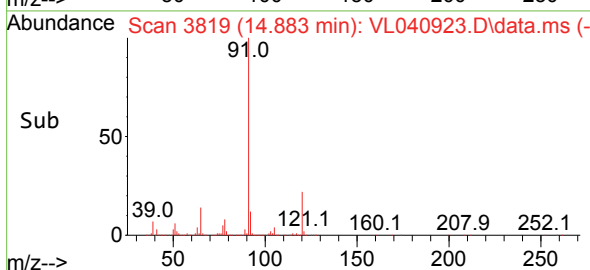
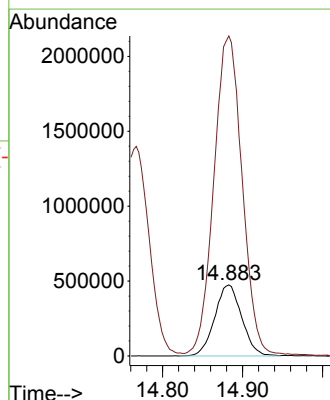
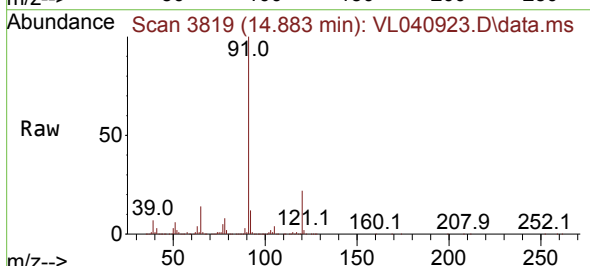
Instrument :
MSVOA_L
ClientSampleId :

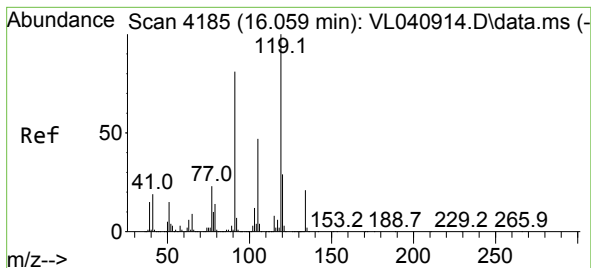
Tgt Ion: 83 Resp: 2122090
Ion Ratio Lower Upper
83 100
131 9.3 4.7 14.0
85 66.0 32.6 98.0



#64
n-propylbenzene
Concen: 9.917 ppbv
RT: 14.883 min Scan# 3819
Delta R.T. -0.006 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00

Tgt Ion:120 Resp: 1110658
Ion Ratio Lower Upper
120 100
91 475.1 381.9 572.9

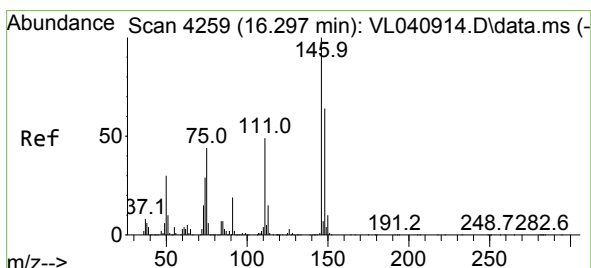
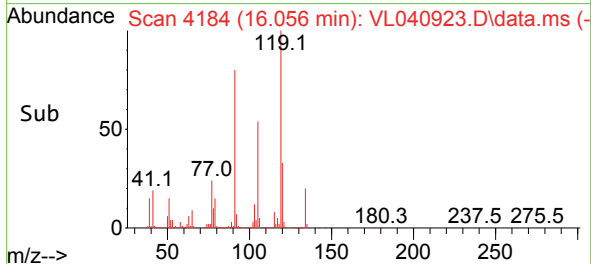
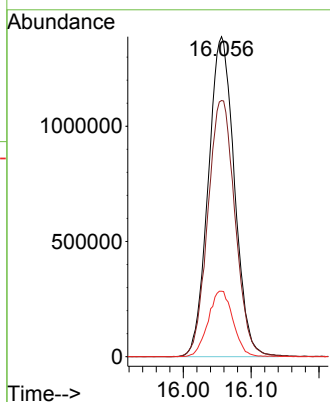
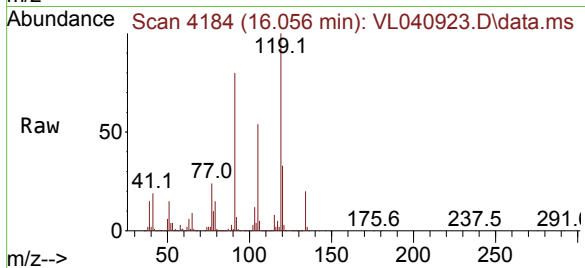




#65
tert-Butylbenzene
Concen: 9.807 ppbv
RT: 16.056 min Scan# 4185
Delta R.T. -0.003 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00

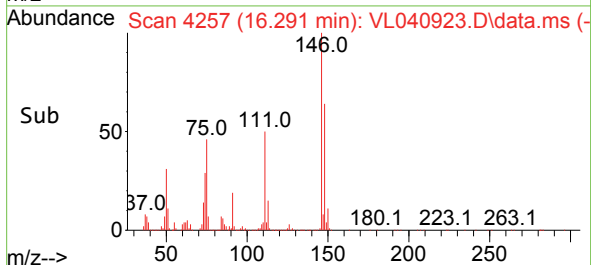
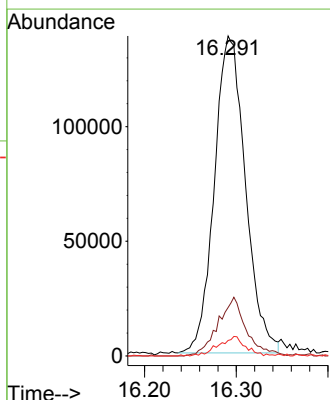
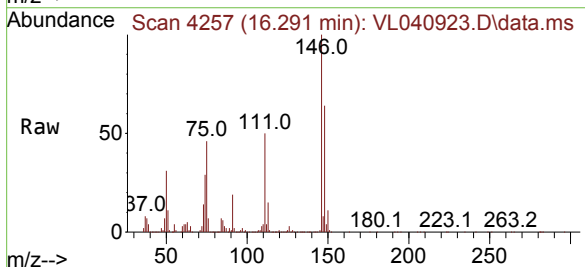
Instrument :
MSVOA_L
ClientSampleId :

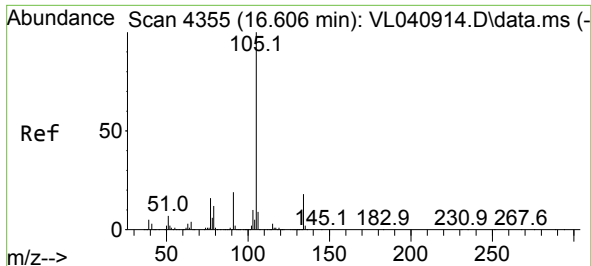
Tgt Ion:119 Resp: 3722167
Ion Ratio Lower Upper
119 100
91 83.3 67.2 100.8
134 19.6 15.8 23.6



#66
Benzyl Chloride
Concen: 12.528 ppbv
RT: 16.291 min Scan# 4257
Delta R.T. -0.006 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00

Tgt Ion: 91 Resp: 325374
Ion Ratio Lower Upper
91 100
126 16.9 14.1 21.1
128 5.5 4.6 6.8

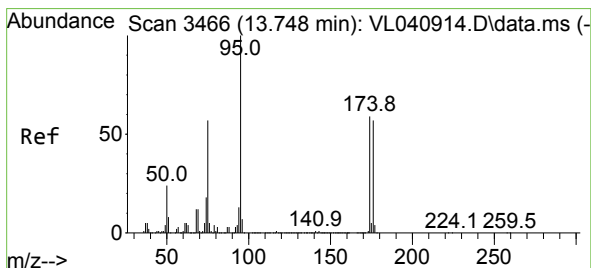
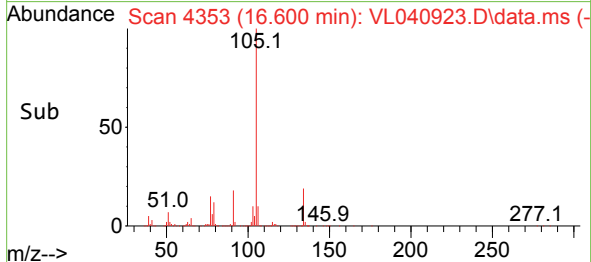
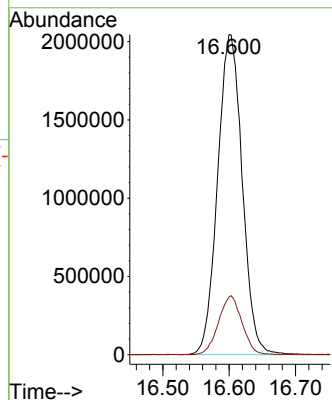
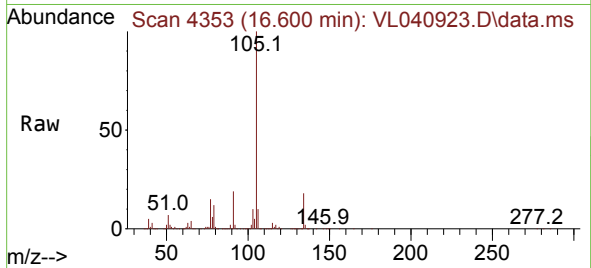




#67
 sec-Butylbenzene
 Concen: 9.522 ppbv
 RT: 16.600 min Scan# 41
 Delta R.T. -0.006 min
 Lab File: VL040923.D
 Acq: 21 Dec 2023 9:00

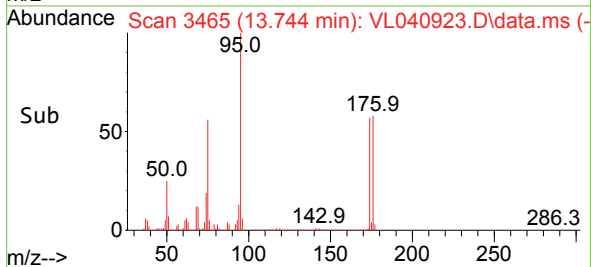
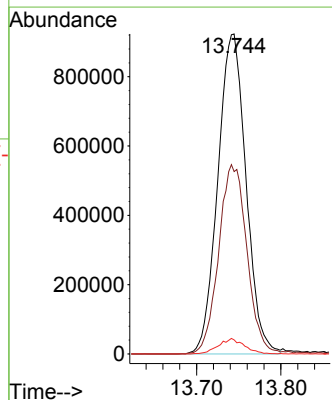
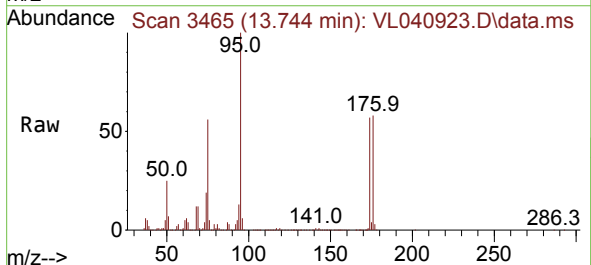
Instrument :
 MSVOA_L
 ClientSampleId :

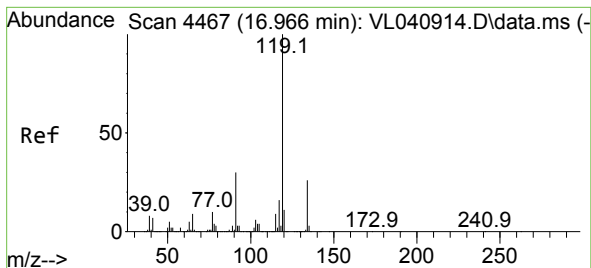
Tgt Ion:105 Resp: 5251867
 Ion Ratio Lower Upper
 105 100
 134 17.6 14.4 21.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.953 ppbv
 RT: 13.744 min Scan# 3465
 Delta R.T. -0.003 min
 Lab File: VL040923.D
 Acq: 21 Dec 2023 9:00

Tgt Ion: 95 Resp: 2144289
 Ion Ratio Lower Upper
 95 100
 174 60.2 48.0 72.0
 175 4.4 3.7 5.5





#69

p-Isopropyltoluene

Concen: 9.963 ppbv

RT: 16.960 min Scan# 4467

Delta R.T. -0.006 min

Lab File: VL040923.D

Acq: 21 Dec 2023 9:00

Instrument :

MSVOA_L

ClientSampleId :

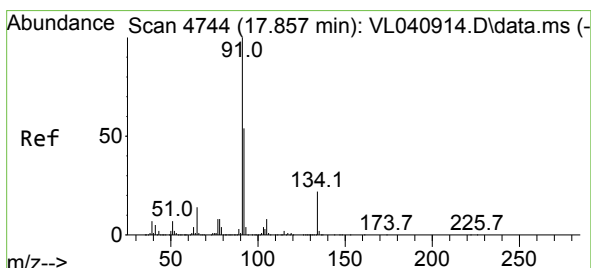
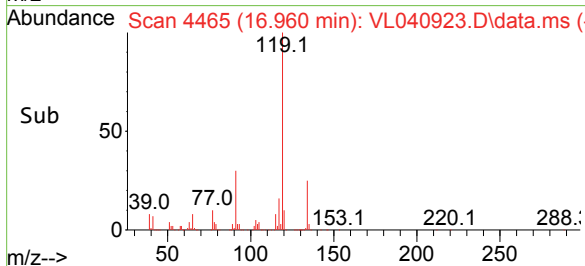
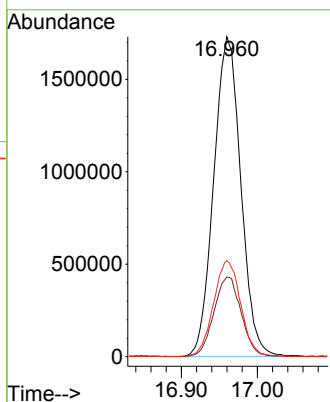
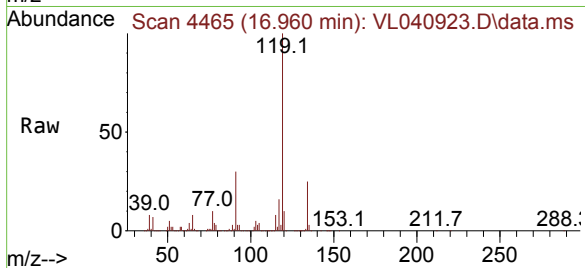
Tgt Ion:119 Resp: 4270996

Ion Ratio Lower Upper

119 100

134 25.2 20.3 30.5

91 30.2 24.1 36.1



#70

n-Butylbenzene

Concen: 10.098 ppbv

RT: 17.850 min Scan# 4742

Delta R.T. -0.006 min

Lab File: VL040923.D

Acq: 21 Dec 2023 9:00

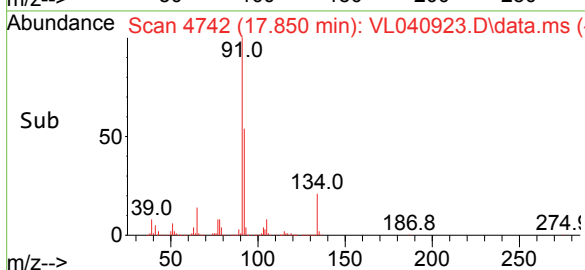
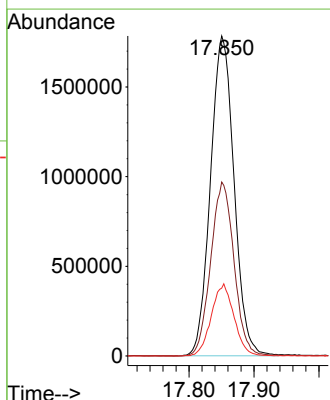
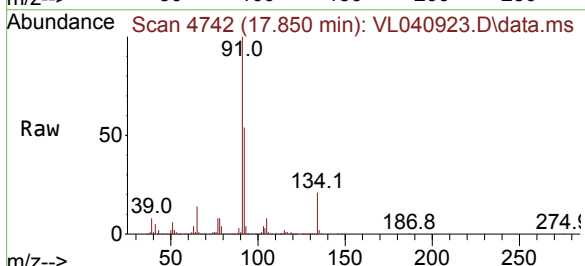
Tgt Ion: 91 Resp: 4494140

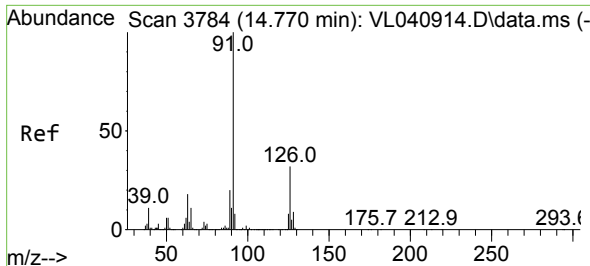
Ion Ratio Lower Upper

91 100

92 54.1 43.4 65.0

134 21.7 17.6 26.4

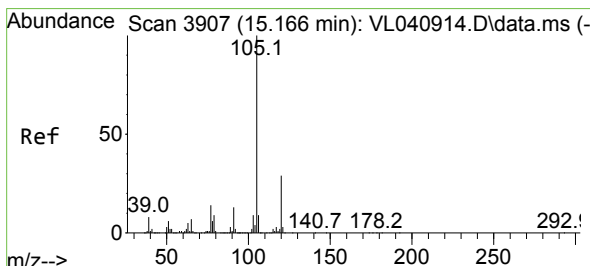
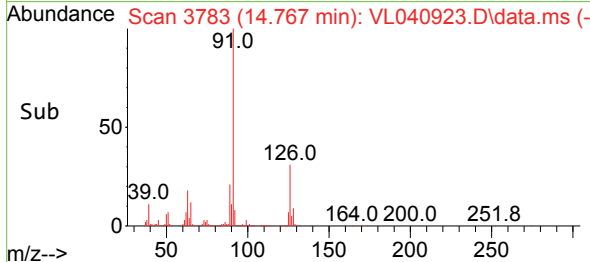
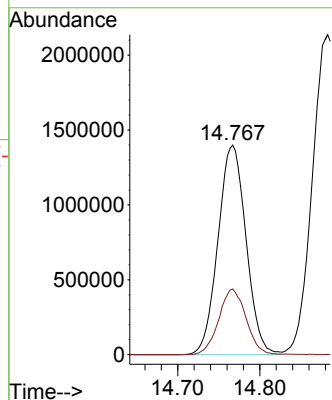
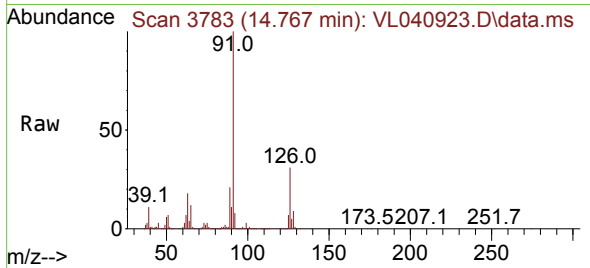




#71
2-Chlorotoluene
Concen: 9.668 ppbv
RT: 14.767 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00

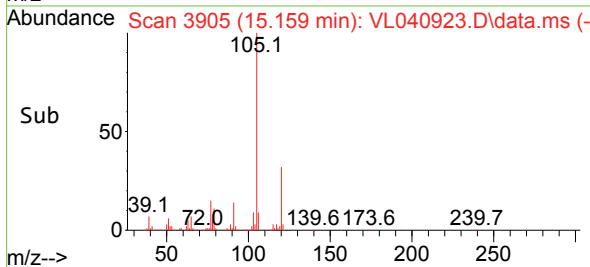
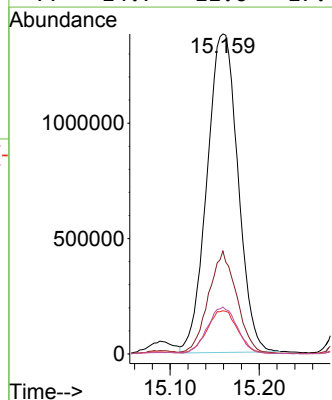
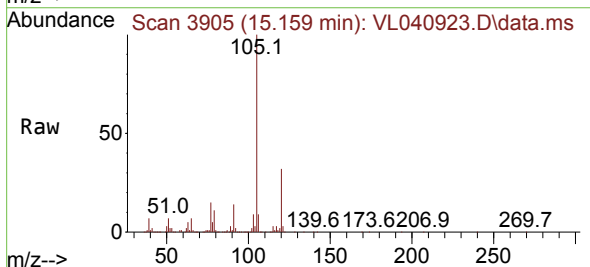
Instrument :
MSVOA_L
ClientSampleId :

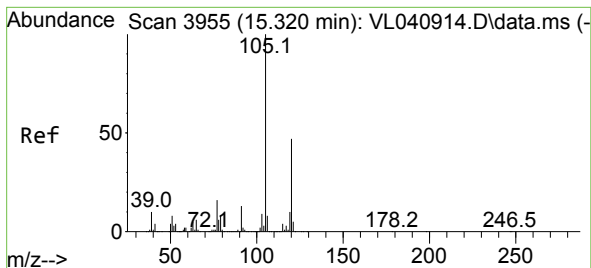
Tgt Ion: 91 Resp: 3324265
Ion Ratio Lower Upper
91 100
126 30.7 12.4 49.6



#72
4-Ethyltoluene
Concen: 10.088 ppbv
RT: 15.159 min Scan# 3905
Delta R.T. -0.006 min
Lab File: VL040923.D
Acq: 21 Dec 2023 9:00

Tgt Ion: 105 Resp: 3333468
Ion Ratio Lower Upper
105 100
120 29.9 23.8 35.8
91 13.6 10.9 16.3
77 14.7 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 10.091 ppbv

RT: 15.317 min Scan# 3954

Delta R.T. -0.003 min

Lab File: VL040923.D

Acq: 21 Dec 2023 9:00

Instrument :

MSVOA_L

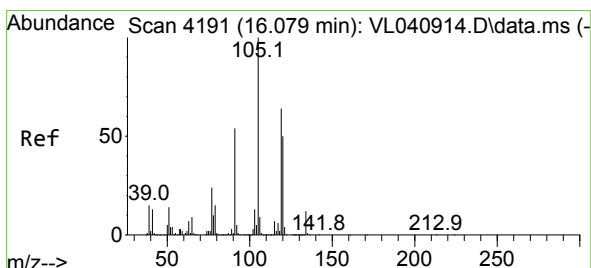
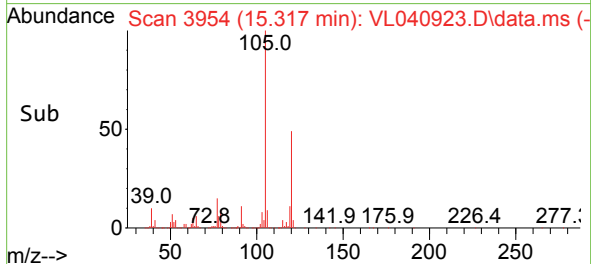
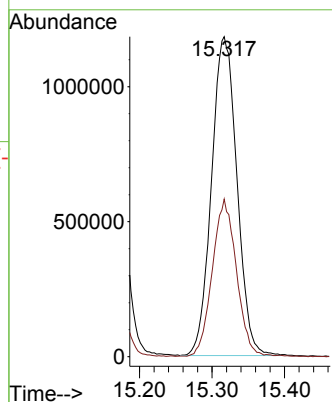
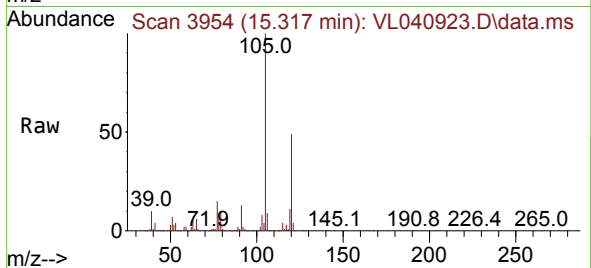
ClientSampleId :

Tgt Ion:105 Resp: 2878026

Ion Ratio Lower Upper

105 100

120 49.2 37.8 56.8



#74

1,2,4-Trimethylbenzene

Concen: 9.980 ppbv

RT: 16.072 min Scan# 4189

Delta R.T. -0.006 min

Lab File: VL040923.D

Acq: 21 Dec 2023 9:00

Tgt Ion:105 Resp: 3167613

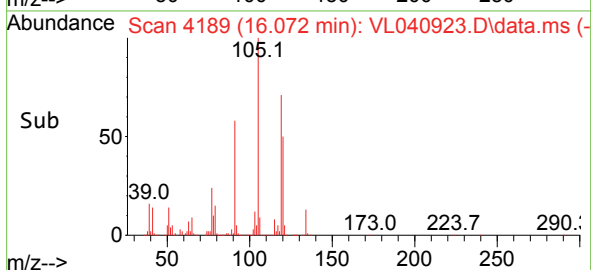
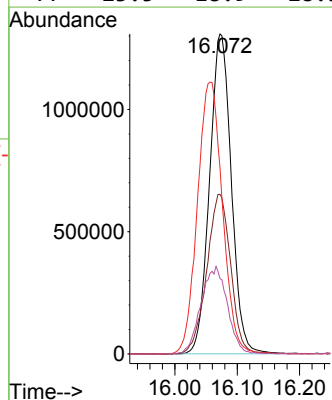
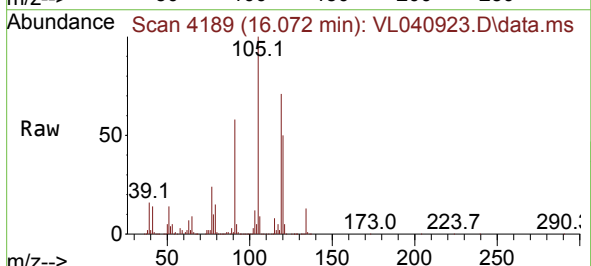
Ion Ratio Lower Upper

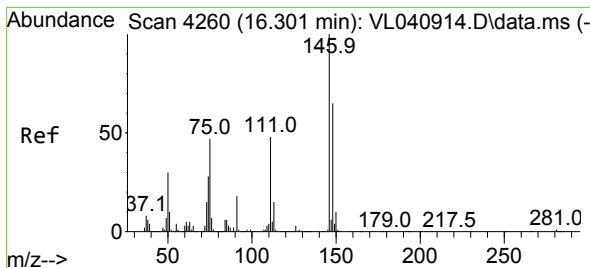
105 100

120 49.8 40.2 60.4

91 58.0 43.0 64.6

77 23.5 18.9 28.3





#75

1,3-Dichlorobenzene

Concen: 10.041 ppbv

RT: 16.294 min Scan# 41

Delta R.T. -0.006 min

Lab File: VL040923.D

Acq: 21 Dec 2023 9:00

Instrument :

MSVOA_L

ClientSampleId :

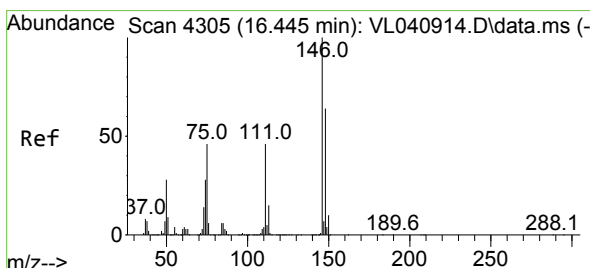
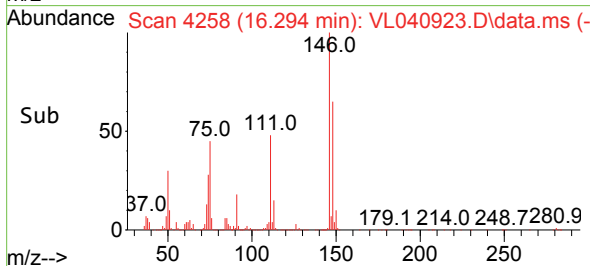
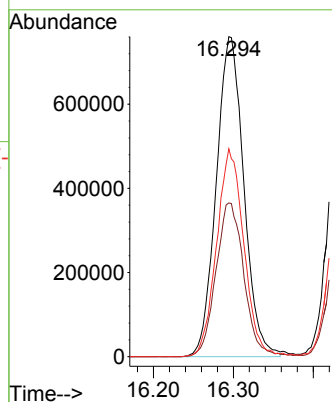
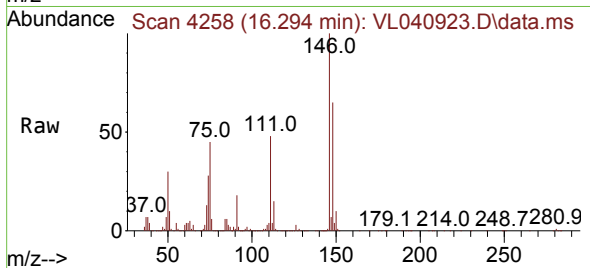
Tgt Ion:146 Resp: 1820535

Ion Ratio Lower Upper

146 100

111 48.8 24.7 74.1

148 64.4 32.1 96.5



#76

1,4-Dichlorobenzene

Concen: 9.987 ppbv

RT: 16.439 min Scan# 4303

Delta R.T. -0.006 min

Lab File: VL040923.D

Acq: 21 Dec 2023 9:00

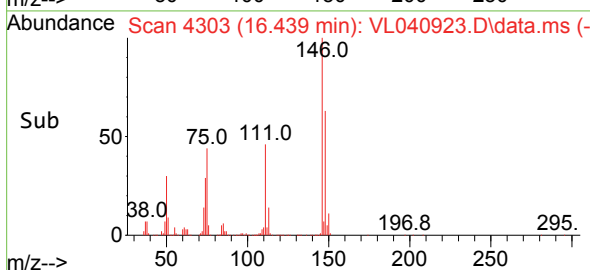
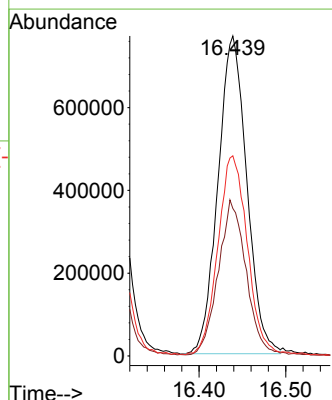
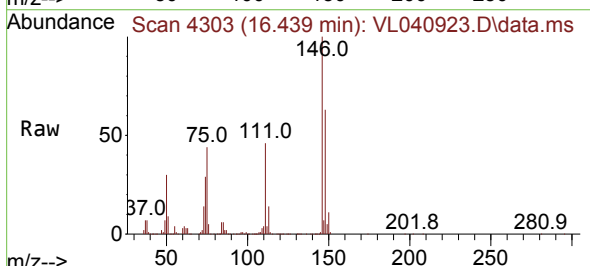
Tgt Ion:146 Resp: 1771357

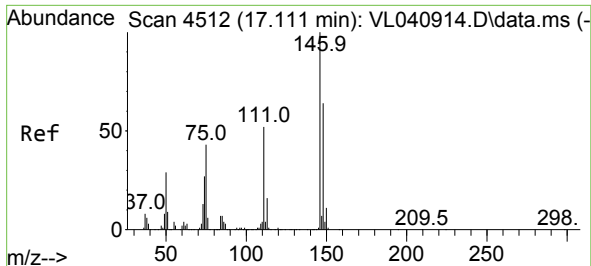
Ion Ratio Lower Upper

146 100

111 48.1 24.1 72.4

148 66.2 33.2 99.6

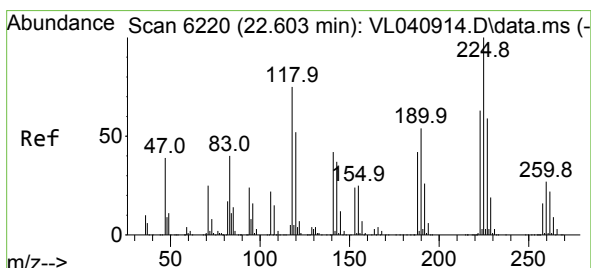
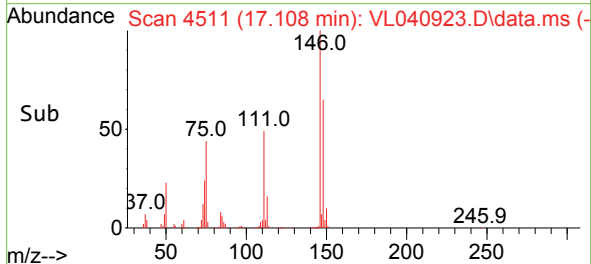
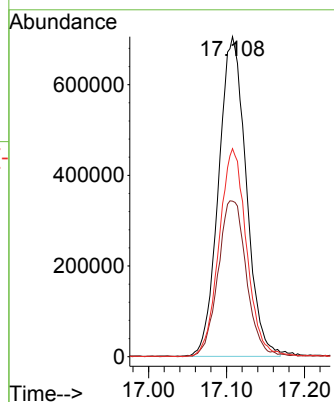
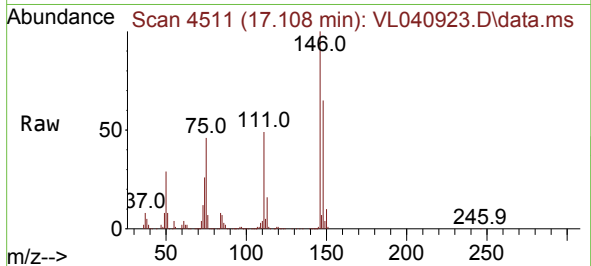




#77
 1,2-Dichlorobenzene
 Concen: 9.923 ppbv
 RT: 17.108 min Scan# 411
 Delta R.T. -0.003 min
 Lab File: VL040923.D
 Acq: 21 Dec 2023 9:00

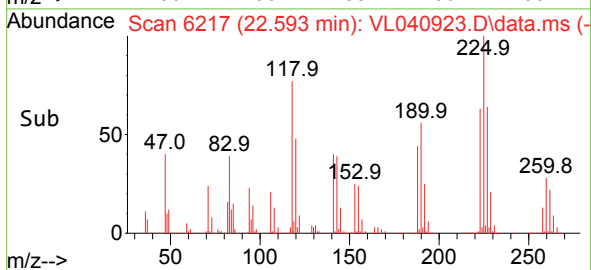
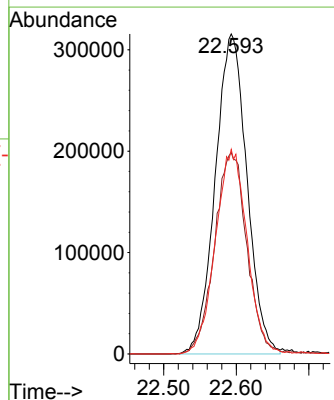
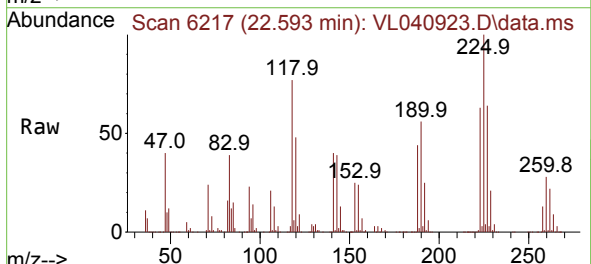
Instrument :
 MSVOA_L
 ClientSampleId :

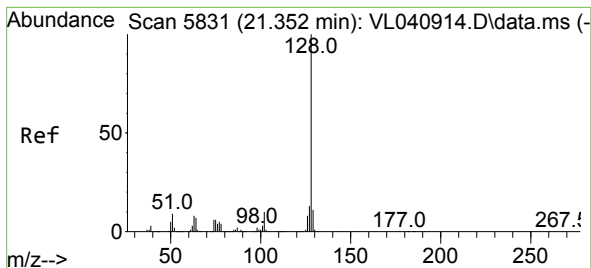
Tgt Ion:146 Resp: 1733194
 Ion Ratio Lower Upper
 146 100
 111 50.4 25.5 76.5
 148 64.9 32.2 96.6



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.913 ppbv
 RT: 22.593 min Scan# 6217
 Delta R.T. -0.010 min
 Lab File: VL040923.D
 Acq: 21 Dec 2023 9:00

Tgt Ion:225 Resp: 957540
 Ion Ratio Lower Upper
 225 100
 223 64.6 51.5 77.3
 227 64.0 51.7 77.5





#79

Naphthalene

Concen: 13.727 ppbv

RT: 21.342 min Scan# 5828

Delta R.T. -0.010 min

Lab File: VL040923.D

Acq: 21 Dec 2023 9:00

Instrument :

MSVOA_L

ClientSampleId :

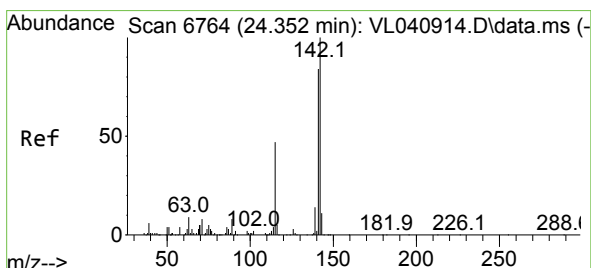
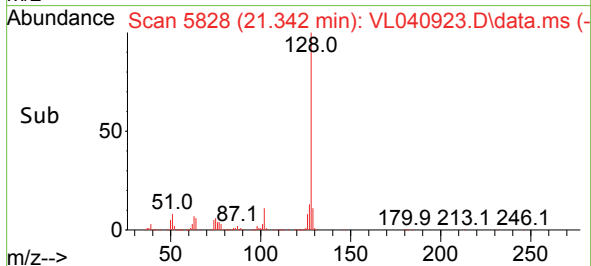
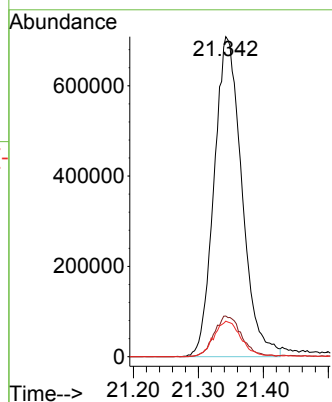
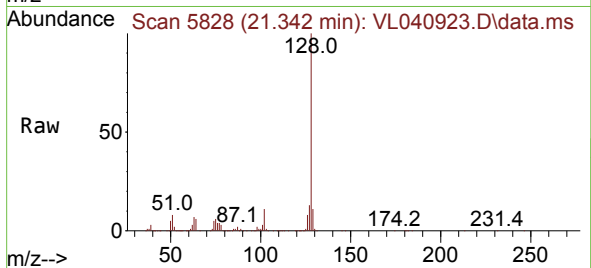
Tgt Ion:128 Resp: 2099421

Ion Ratio Lower Upper

128 100

127 12.7 10.6 15.8

129 11.1 8.7 13.1



#80

Naphthalene,2-methyl-

Concen: 12.506 ppbv

RT: 24.349 min Scan# 6763

Delta R.T. -0.003 min

Lab File: VL040923.D

Acq: 21 Dec 2023 9:00

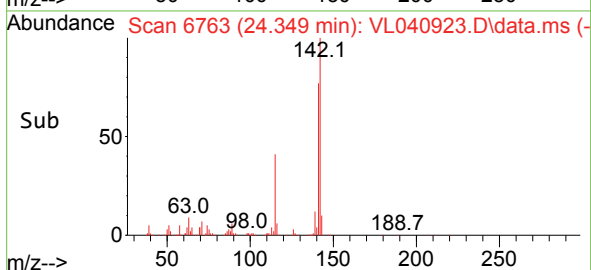
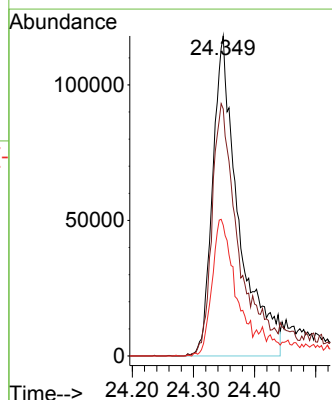
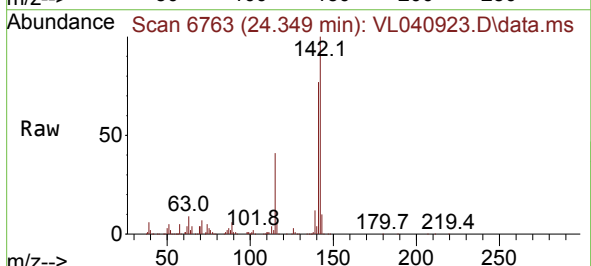
Tgt Ion:142 Resp: 349595

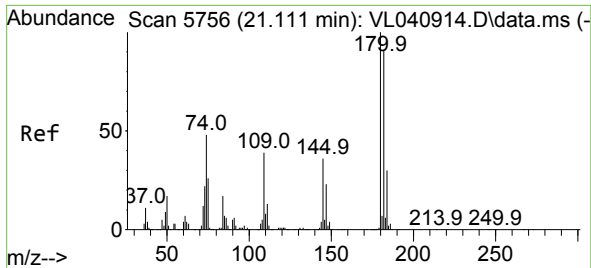
Ion Ratio Lower Upper

142 100

141 88.0 68.5 102.7

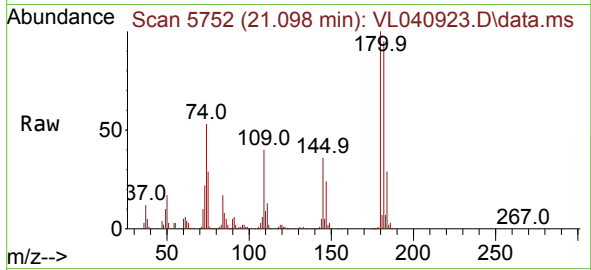
115 47.7 34.5 51.7





#81
 1,2,4-Trichlorobenzene
 Concen: 11.841 ppbv
 RT: 21.098 min Scan# 51
 Delta R.T. -0.013 min
 Lab File: VL040923.D
 Acq: 21 Dec 2023 9:00

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion:180 Resp: 1039681
 Ion Ratio Lower Upper
 180 100
 182 98.2 79.4 119.0
 184 30.8 24.5 36.7

