

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122223\
 Data File : VL040954.D
 Acq On : 22 Dec 2023 10:44
 Operator : SY/MD
 Sample : VL1222ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 23 01:19:20 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 : Fri Dec 22 23:57:16 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.195	49	1150046	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	2990103	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.439	117	3529769	10.000	ppbv	# 0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.741	95	2055907	7.907	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	79.100%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.767	85	2148008	9.806	ppbv	99
3) Chlorodifluoromethane	2.716	51	1698329	9.813	ppbv	99
4) Chloromethane	2.851	50	650247	10.190	ppbv	94
5) Vinyl Chloride	2.954	62	669376	10.867	ppbv	97
6) Bromomethane	3.147	94	281287	10.293	ppbv	94
7) Chloroethane	3.227	64	236229	10.757	ppbv	96
8) Dichlorotetrafluoroethane	2.893	85	1602016	10.150	ppbv	99
9) Propene	2.735	41	601768	10.538	ppbv	100
10) Heptane	7.561	43	1468312	10.344	ppbv	99
11) Trichlorofluoromethane	3.584	101	1736196	10.138	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.079	101	1273257	9.574	ppbv	98
13) Ethanol	3.269	45	128022	8.887	ppbv	99
14) Bromoethene	3.391	108	510278	10.468	ppbv	99
15) Acetone	3.491	43	1228508	8.907	ppbv	100
16) 1,3-Butadiene	3.018	39	626487	10.549	ppbv	100
17) tert-Butyl alcohol	3.896	59	1050787	10.299	ppbv	99
18) 1,1-Dichloroethene	3.896	96	552279	10.058	ppbv	95
19) Isopropyl Alcohol	3.597	45	776061	10.783	ppbv #	99
20) Methylene Chloride	3.951	84	466044	9.479	ppbv	98
21) Allyl Chloride	4.012	41	836852	10.264	ppbv	98
22) trans-1,2-Dichloroethene	4.455	96	630247	10.066	ppbv	97
23) Vinyl Acetate	4.632	43	1797326	11.812	ppbv	100
24) 1,1-Dichloroethane	4.571	63	1434133	10.537	ppbv	99
25) Ethyl Acetate	5.205	43	2540107	10.628	ppbv	99
26) Hexane	5.214	57	1103502	10.418	ppbv	98
27) Carbon Disulfide	4.137	76	1427628	9.959	ppbv	96
28) Methyl tert-Butyl Ether	4.594	73	1034896	10.529	ppbv	99
29) Chloroform	5.275	83	1804350	10.095	ppbv	99
30) Cyclohexane	6.594	84	954293	10.807	ppbv	97
31) cis-1,2-Dichloroethene	5.079	61	1140290	10.480	ppbv	99
32) 1,1,1-Trichloroethane	5.999	97	1800067	10.416	ppbv	99
34) 2-Butanone	4.790	43	1590938	10.058	ppbv	99
35) Carbon Tetrachloride	6.484	117	1906918	10.183	ppbv	99
36) Benzene	6.362	78	2345836	10.036	ppbv	100
37) 1,2-Dichloroethane	5.803	62	1372485	9.799	ppbv	99
38) Trichloroethene	7.275	130	906557	10.326	ppbv	98
39) 1,2-Dichloropropane	7.057	63	913713	9.947	ppbv	96
40) 1,4-Dioxane	7.269	88	370683	9.558	ppbv	98
41) Tetrahydrofuran	5.555	42	974219	10.123	ppbv	97
42) Bromodichloromethane	7.233	83	1980521	9.805	ppbv	99
43) Methyl Methacrylate	7.459	69	965201	10.527	ppbv	98
44) 2,2,4-Trimethylpentane	7.311	57	3874703	9.759	ppbv	99
45) t-1,3-Dichloropropene	8.684	75	777792	11.434	ppbv	100

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Quant Time: Dec 23 01:19:20 2023
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Dec 22 23:57:16 2023
 Response via : Initial Calibration

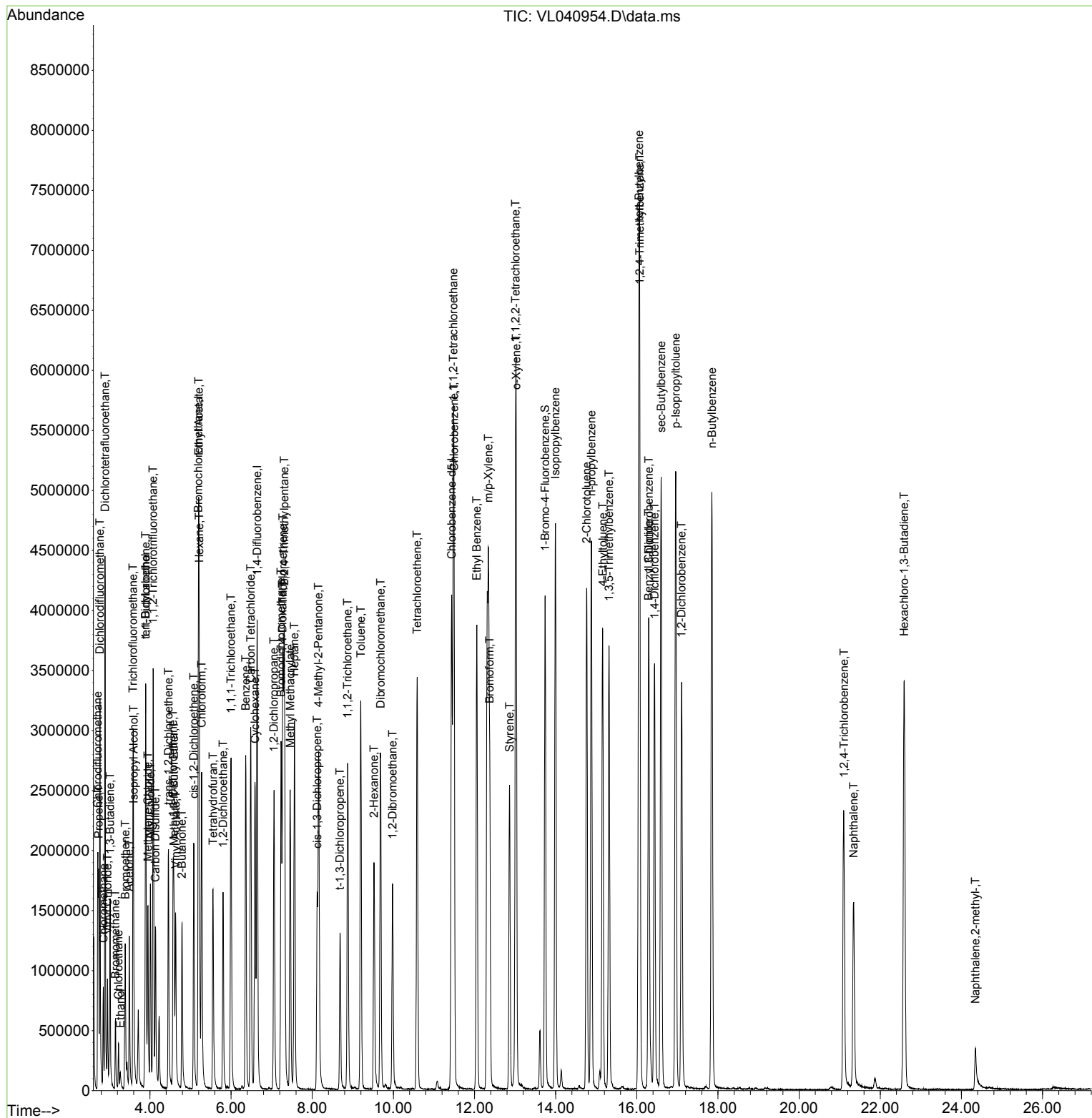
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.121	75	928296	11.023	ppbv	98
47) 1,1,2-Trichloroethane	8.873	97	980466	10.063	ppbv	98
48) Dibromochloromethane	9.684	129	1764917	10.611	ppbv	99
49) Bromoform	12.375	173	1404937	10.948	ppbv	100
50) 4-Methyl-2-Pentanone	8.156	43	2445214	10.207	ppbv	99
51) 2-Hexanone	9.523	43	1786829	10.363	ppbv	98
52) Tetrachloroethene	10.584	164	833250	10.582	ppbv	97
53) Toluene	9.198	91	2693974	10.394	ppbv	99
54) 1,2-Dibromoethane	9.979	107	1440537	10.773	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.478	131	1260615	8.167	ppbv	99
57) Chlorobenzene	11.497	112	2111490	8.123	ppbv	98
58) Ethyl Benzene	12.056	91	3664341	8.082	ppbv	97
59) m/p-Xylene	12.339	91	2863632	7.426	ppbv #	100
60) o-Xylene	13.027	91	2894036	7.965	ppbv	98
61) Styrene	12.867	104	1568399	9.080	ppbv	99
62) Isopropylbenzene	13.995	105	4369732	8.110	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.015	83	2093551	7.998	ppbv	99
64) n-propylbenzene	14.879	120	1165569	8.624	ppbv	93
65) tert-Butylbenzene	16.053	119	3821330	8.343	ppbv	97
66) Benzyl Chloride	16.288	91	308741	9.851	ppbv	98
67) sec-Butylbenzene	16.600	105	5367178	8.063	ppbv	100
69) p-Isopropyltoluene	16.960	119	4398054	8.501	ppbv	99
70) n-Butylbenzene	17.850	91	4486473	8.353	ppbv	99
71) 2-Chlorotoluene	14.764	91	3347221	8.066	ppbv	98
72) 4-Ethyltoluene	15.159	105	3492918	8.759	ppbv	99
73) 1,3,5-Trimethylbenzene	15.314	105	2954500	8.584	ppbv	98
74) 1,2,4-Trimethylbenzene	16.072	105	3252003	8.490	ppbv	97
75) 1,3-Dichlorobenzene	16.294	146	1885541	8.617	ppbv	99
76) 1,4-Dichlorobenzene	16.436	146	1858727	8.684	ppbv	99
77) 1,2-Dichlorobenzene	17.104	146	1813572	8.603	ppbv	99
78) Hexachloro-1,3-Butadiene	22.590	225	985984	7.605	ppbv	99
79) Naphthalene	21.345	128	2126045	11.519	ppbv	99
80) Naphthalene,2-methyl-	24.345	142	337299	9.998	ppbv	98
81) 1,2,4-Trichlorobenzene	21.104	180	529969	5.001	ppbv #	12

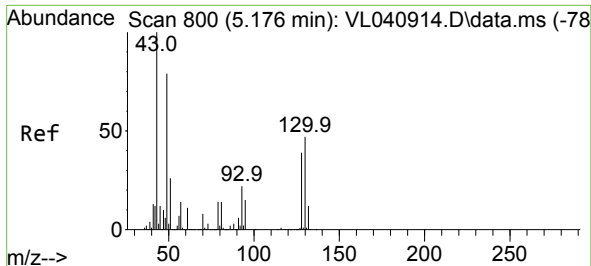
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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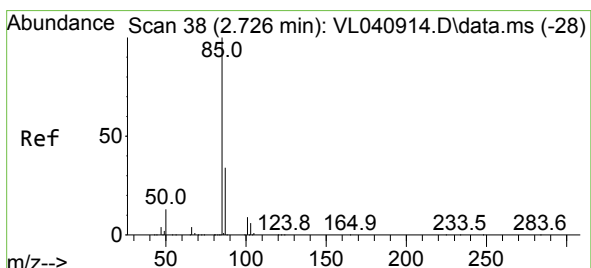
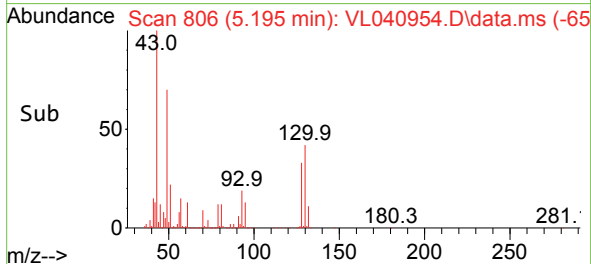
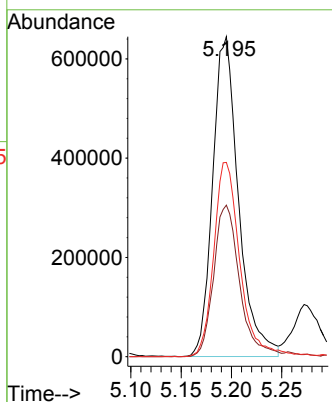
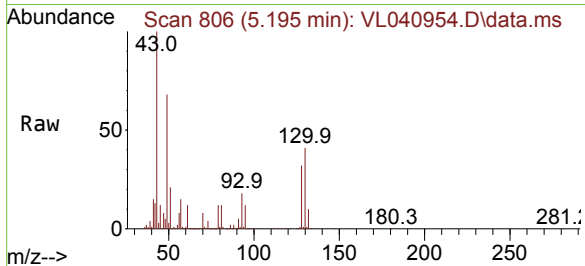




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.195 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: VL040954.D
 Acq: 22 Dec 2023 10:44

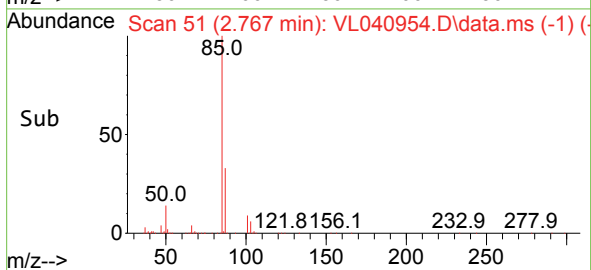
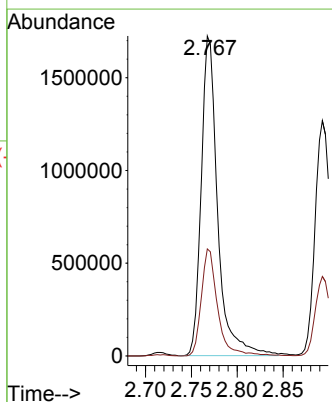
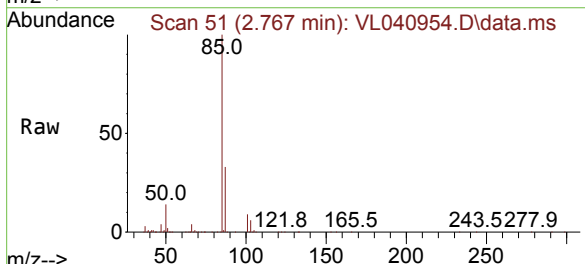
Instrument :
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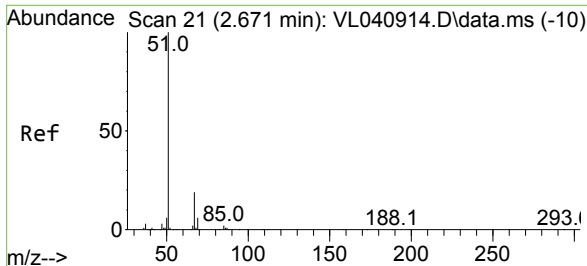
Tgt Ion: 49 Resp: 1150046
 Ion Ratio Lower Upper
 49 100
 128 49.4 23.8 71.2
 130 62.7 30.1 90.5



#2
 Dichlorodifluoromethane
 Concen: 9.806 ppbv
 RT: 2.767 min Scan# 51
 Delta R.T. -0.003 min
 Lab File: VL040954.D
 Acq: 22 Dec 2023 10:44

Tgt Ion: 85 Resp: 2148008
 Ion Ratio Lower Upper
 85 100
 87 33.4 27.0 40.6

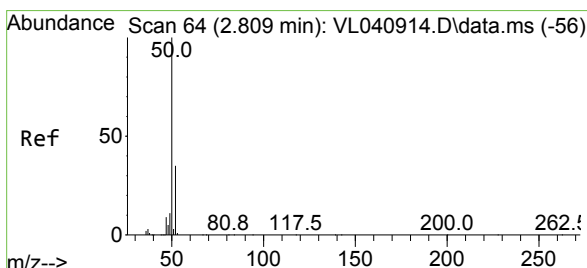
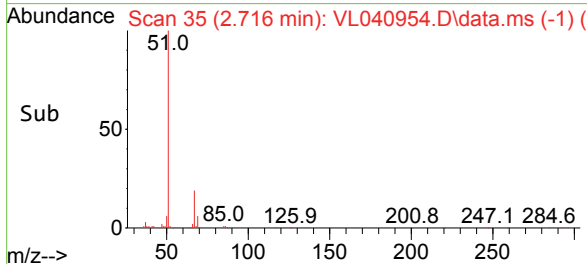
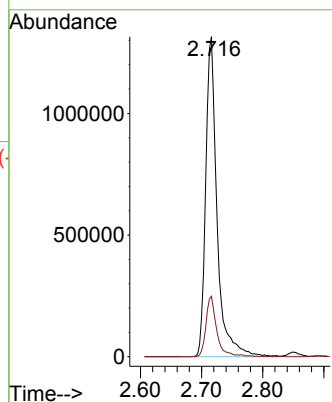
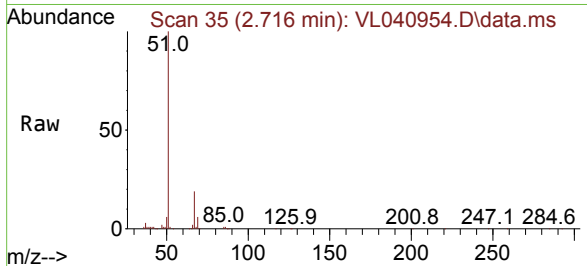




#3
Chlorodifluoromethane
Concen: 9.813 ppbv
RT: 2.716 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL040954.D
Acq: 22 Dec 2023 10:44

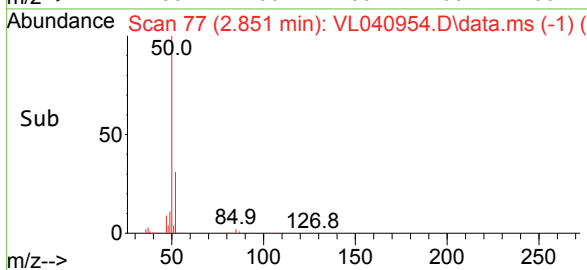
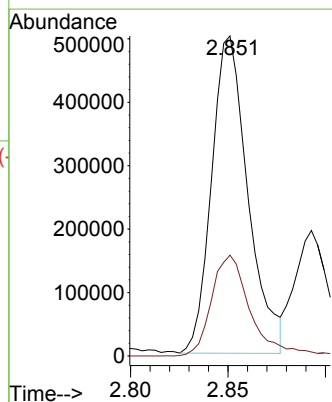
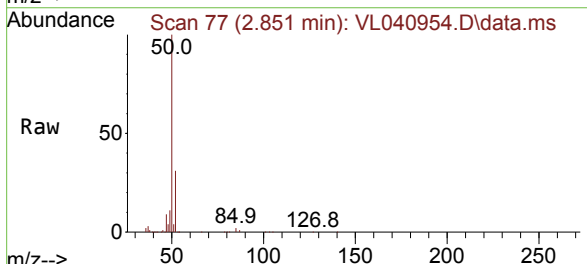
Instrument :
MSVOA_L
ClientSampleId :

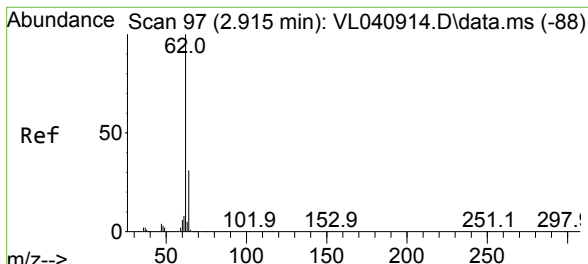
Tgt Ion: 51 Resp: 1698329
Ion Ratio Lower Upper
51 100
67 18.1 14.7 22.1



#4
Chloromethane
Concen: 10.190 ppbv
RT: 2.851 min Scan# 77
Delta R.T. -0.003 min
Lab File: VL040954.D
Acq: 22 Dec 2023 10:44

Tgt Ion: 50 Resp: 650247
Ion Ratio Lower Upper
50 100
52 31.6 28.0 42.0

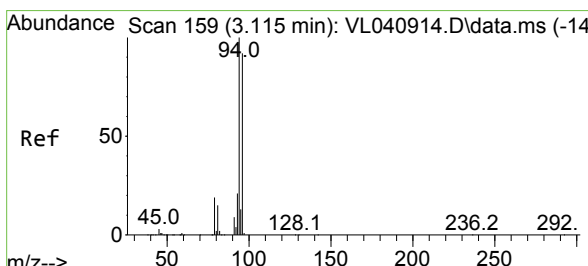
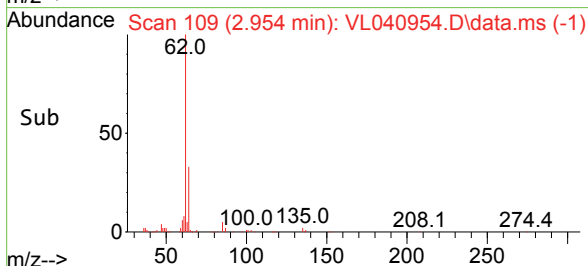
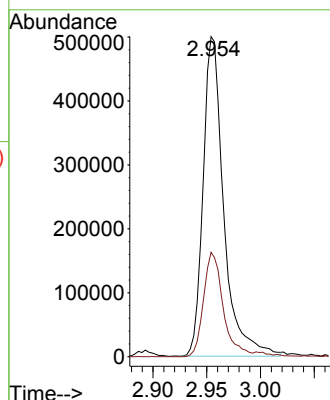
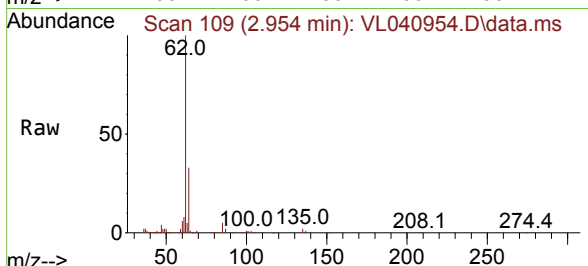




#5
 Vinyl Chloride
 Concen: 10.867 ppbv
 RT: 2.954 min Scan# 109
 Delta R.T. -0.003 min
 Lab File: VL040954.D
 Acq: 22 Dec 2023 10:44

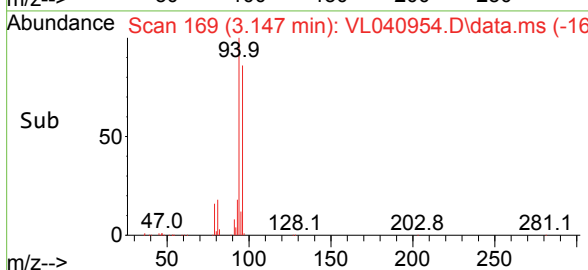
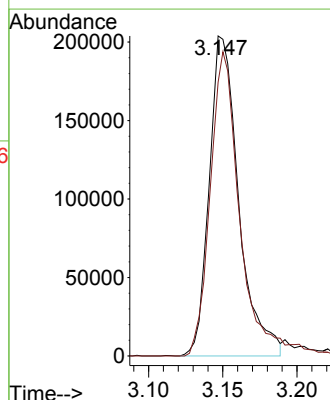
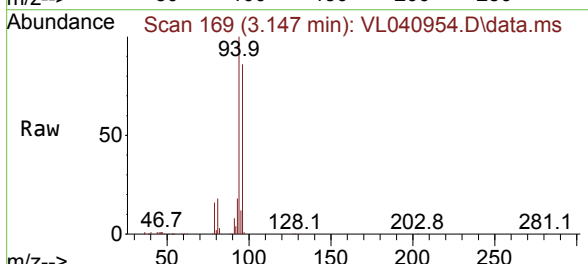
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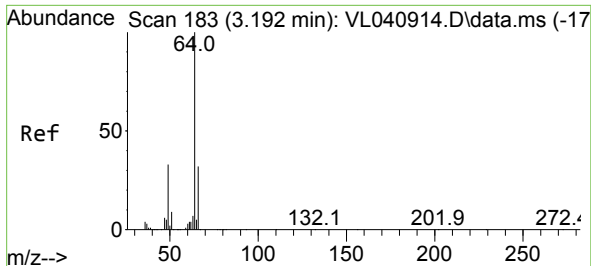
Tgt Ion: 62 Resp: 669376
 Ion Ratio Lower Upper
 62 100
 64 32.6 24.9 37.3



#6
 Bromomethane
 Concen: 10.293 ppbv
 RT: 3.147 min Scan# 169
 Delta R.T. -0.007 min
 Lab File: VL040954.D
 Acq: 22 Dec 2023 10:44

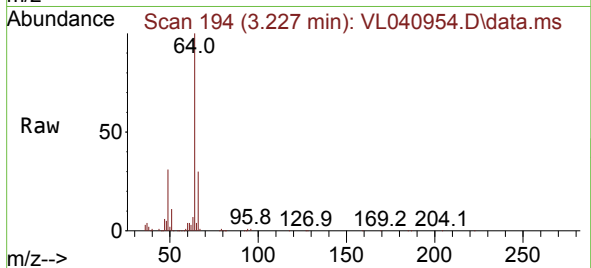
Tgt Ion: 94 Resp: 281287
 Ion Ratio Lower Upper
 94 100
 96 85.5 73.2 109.8



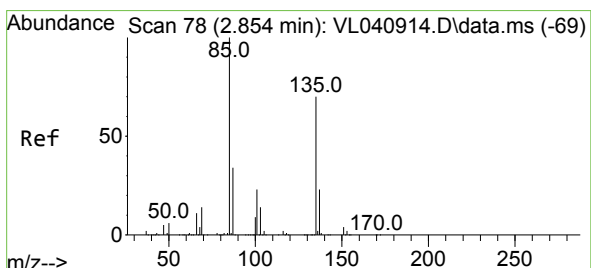
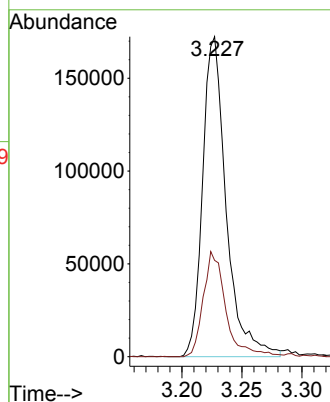
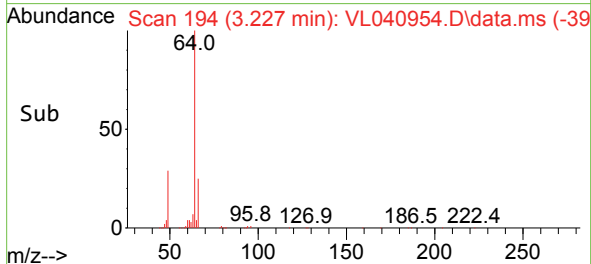


#7
Chloroethane
Concen: 10.757 ppbv
RT: 3.227 min Scan# 194
Delta R.T. -0.000 min
Lab File: VL040954.D
Acq: 22 Dec 2023 10:44

Instrument :
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ClientSampleId :

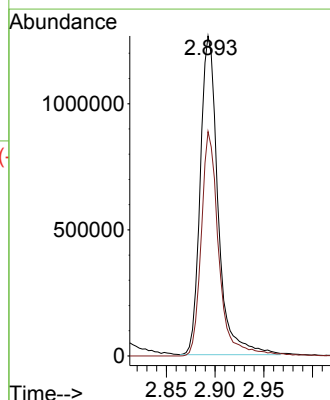
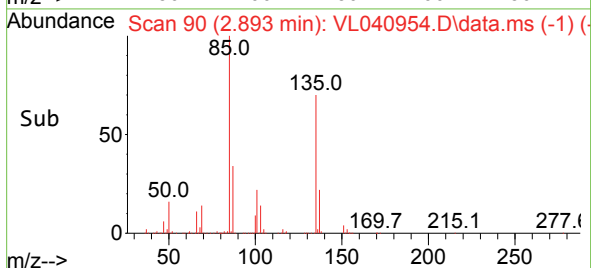
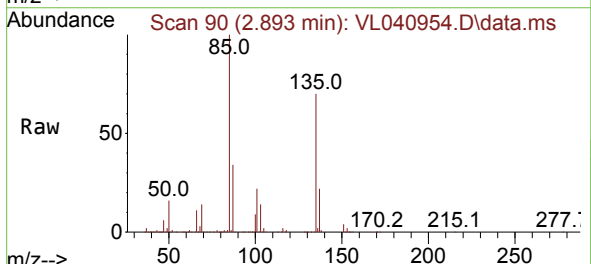


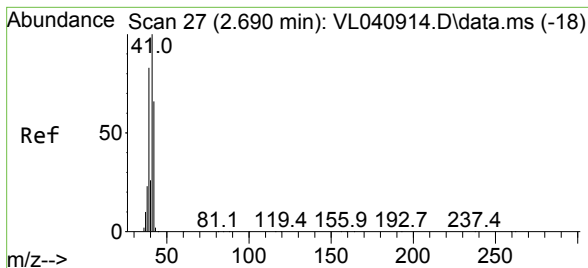
Tgt Ion: 64 Resp: 236229
Ion Ratio Lower Upper
64 100
66 30.1 25.7 38.5



#8
Dichlorotetrafluoroethane
Concen: 10.150 ppbv
RT: 2.893 min Scan# 90
Delta R.T. -0.003 min
Lab File: VL040954.D
Acq: 22 Dec 2023 10:44

Tgt Ion: 85 Resp: 1602016
Ion Ratio Lower Upper
85 100
135 70.2 55.8 83.8





#9

Propene

Concen: 10.538 ppbv

RT: 2.735 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL040954.D

Acq: 22 Dec 2023 10:44

Instrument :

MSVOA_L

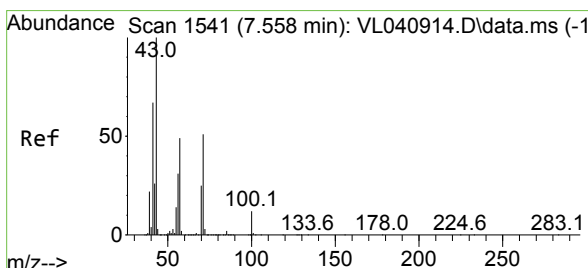
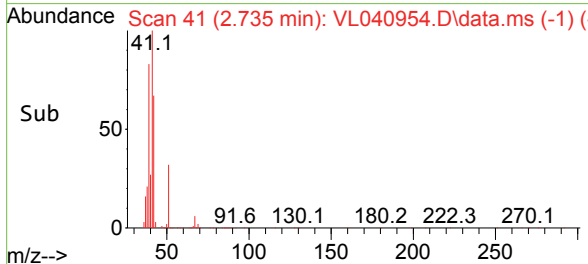
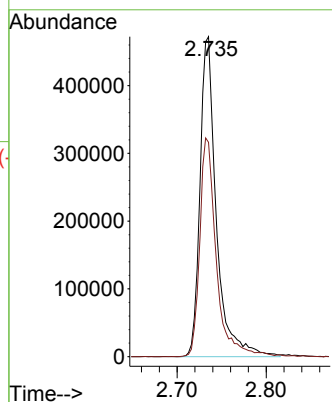
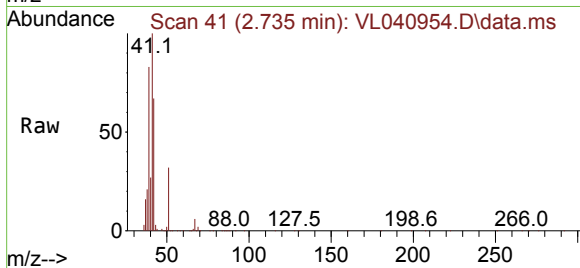
ClientSampleId :

Tgt Ion: 41 Resp: 601768

Ion Ratio Lower Upper

41 100

42 69.8 55.8 83.6



#10

Heptane

Concen: 10.344 ppbv

RT: 7.561 min Scan# 1542

Delta R.T. -0.003 min

Lab File: VL040954.D

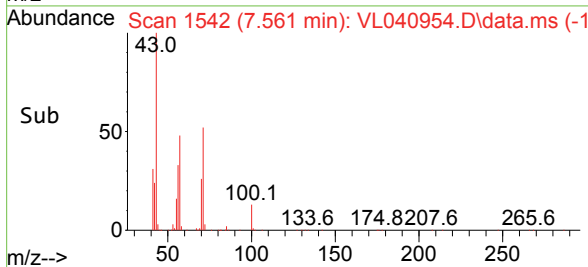
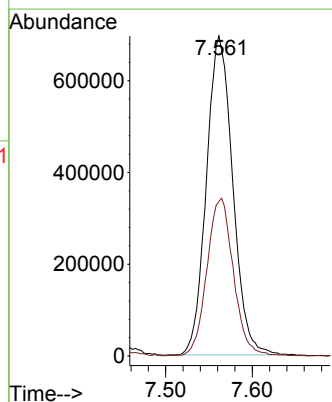
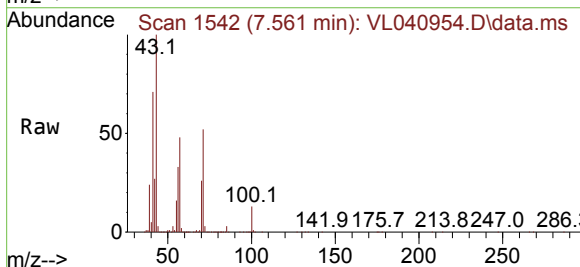
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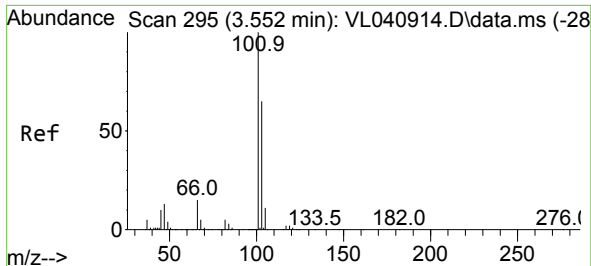
Tgt Ion: 43 Resp: 1468312

Ion Ratio Lower Upper

43 100

57 50.0 39.3 58.9

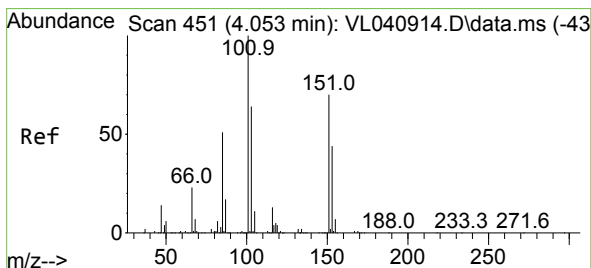
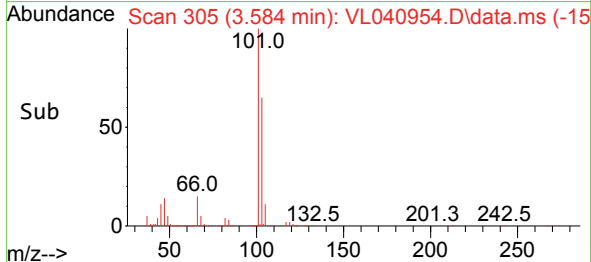
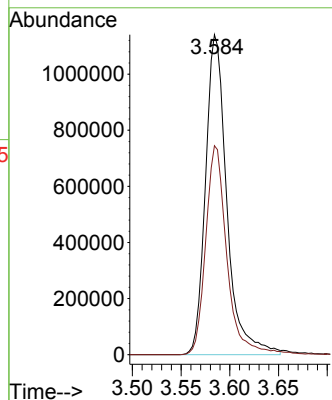
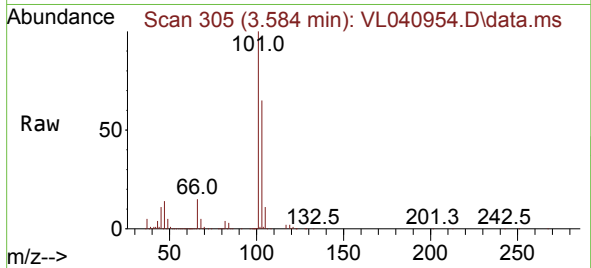




#11
 Trichlorofluoromethane
 Concen: 10.138 ppbv
 RT: 3.584 min Scan# 305
 Delta R.T. -0.003 min
 Lab File: VL040954.D
 Acq: 22 Dec 2023 10:44

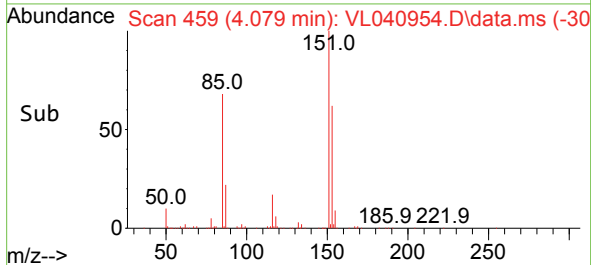
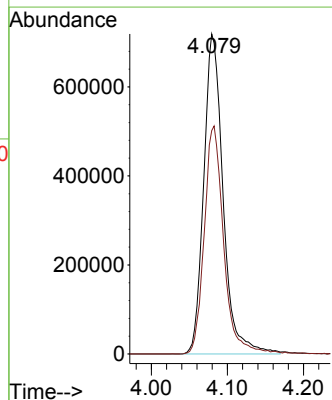
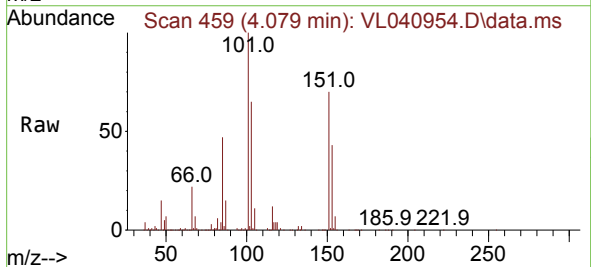
Instrument :
 MSVOA_L
 ClientSampleId :

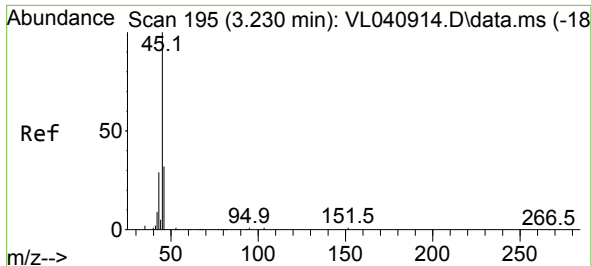
Tgt Ion:101 Resp: 1736196
 Ion Ratio Lower Upper
 101 100
 103 65.3 51.9 77.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.574 ppbv
 RT: 4.079 min Scan# 459
 Delta R.T. -0.003 min
 Lab File: VL040954.D
 Acq: 22 Dec 2023 10:44

Tgt Ion:101 Resp: 1273257
 Ion Ratio Lower Upper
 101 100
 151 71.7 55.8 83.8

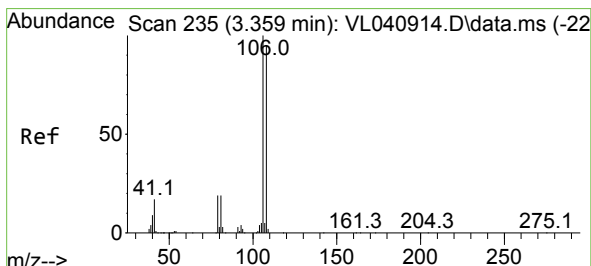
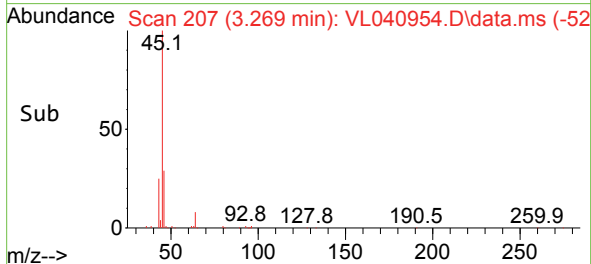
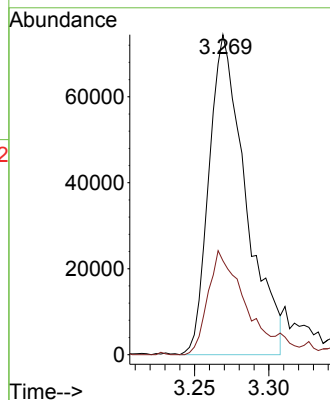
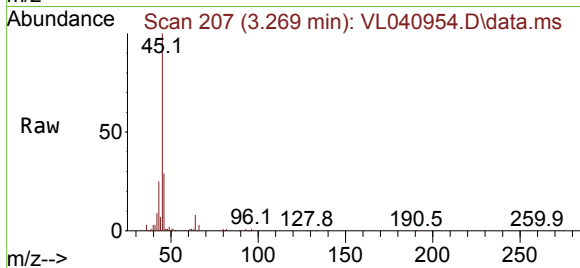




#13
Ethanol
Concen: 8.887 ppbv
RT: 3.269 min Scan# 20
Delta R.T. -0.000 min
Lab File: VL040954.D
Acq: 22 Dec 2023 10:44

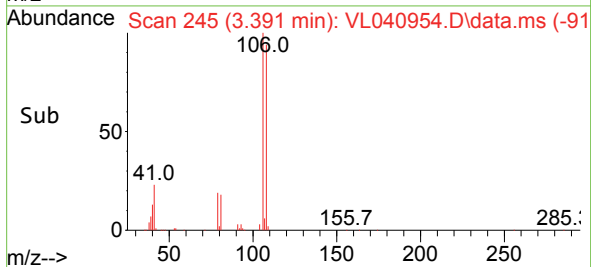
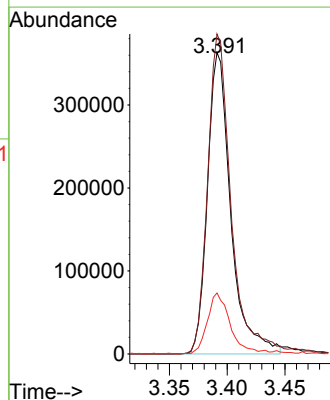
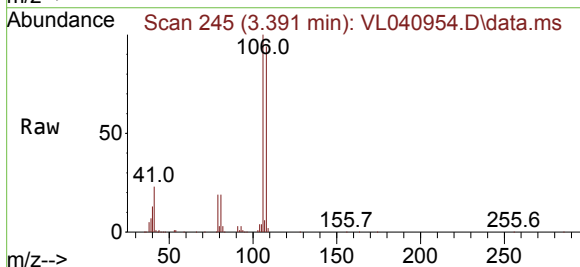
Instrument :
MSVOA_L
ClientSampleId :

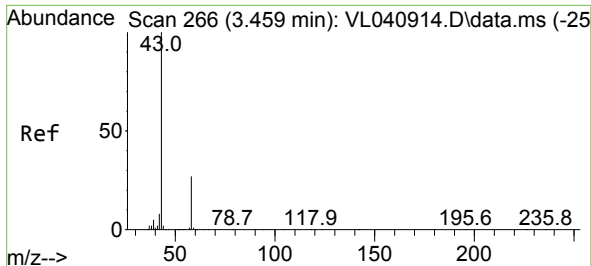
Tgt Ion: 45 Resp: 128022
Ion Ratio Lower Upper
45 100
46 38.1 15.0 60.0



#14
Bromoethene
Concen: 10.468 ppbv
RT: 3.391 min Scan# 245
Delta R.T. -0.003 min
Lab File: VL040954.D
Acq: 22 Dec 2023 10:44

Tgt Ion:108 Resp: 510278
Ion Ratio Lower Upper
108 100
106 108.7 87.5 131.3
79 20.9 16.6 24.8

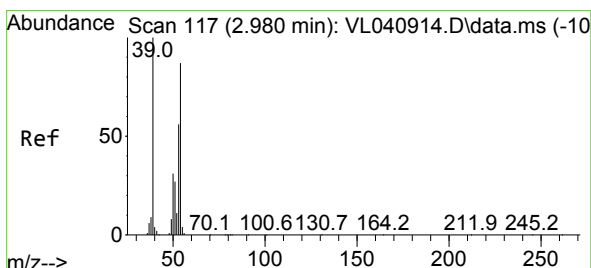
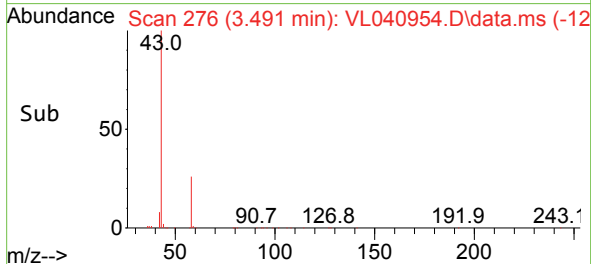
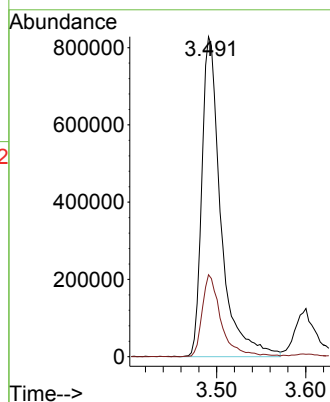
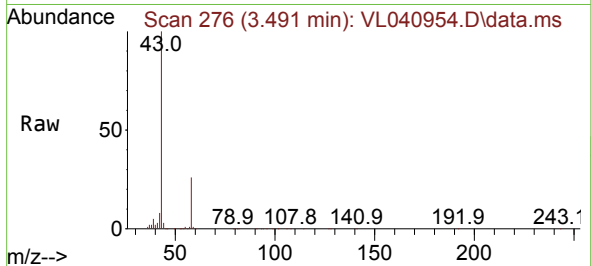




#15
Acetone
Concen: 8.907 ppbv
RT: 3.491 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL040954.D
Acq: 22 Dec 2023 10:44

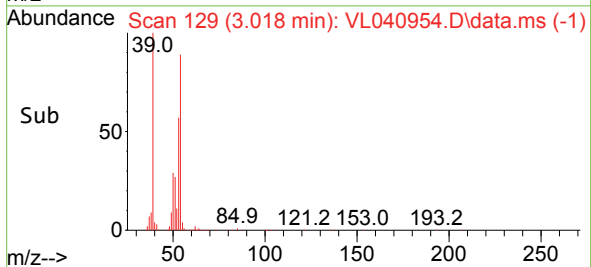
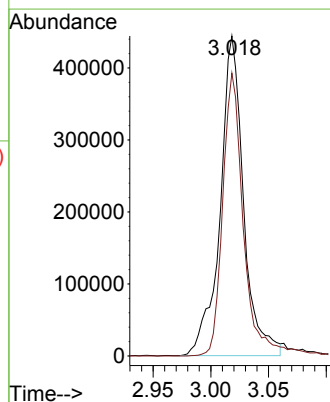
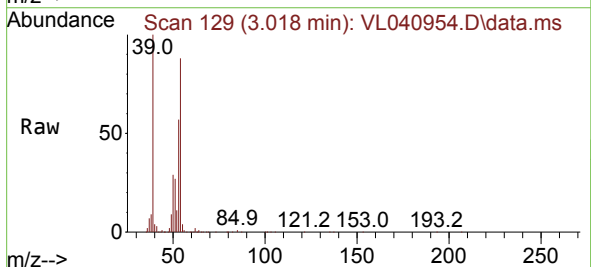
Instrument :
MSVOA_L
ClientSampleId :

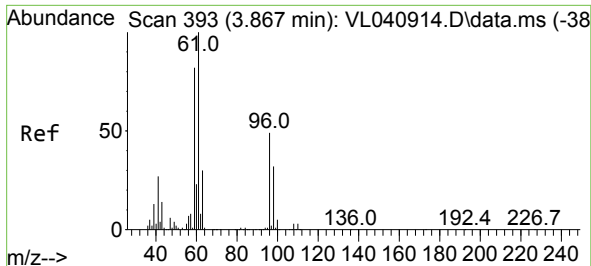
Tgt Ion: 43 Resp: 1228508
Ion Ratio Lower Upper
43 100
58 25.6 20.6 30.8



#16
1,3-Butadiene
Concen: 10.549 ppbv
RT: 3.018 min Scan# 129
Delta R.T. -0.003 min
Lab File: VL040954.D
Acq: 22 Dec 2023 10:44

Tgt Ion: 39 Resp: 626487
Ion Ratio Lower Upper
39 100
54 79.9 63.8 95.6





#17

tert-Butyl alcohol

Concen: 10.299 ppbv

RT: 3.896 min Scan# 402

Delta R.T. -0.003 min

Lab File: VL040954.D

Acq: 22 Dec 2023 10:44

Instrument :

MSVOA_L

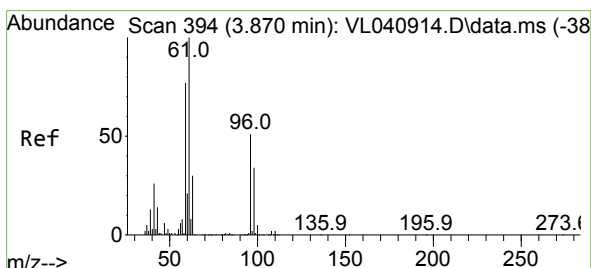
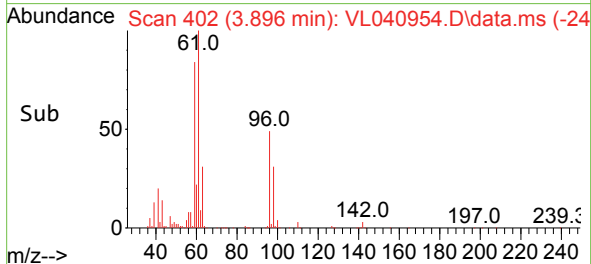
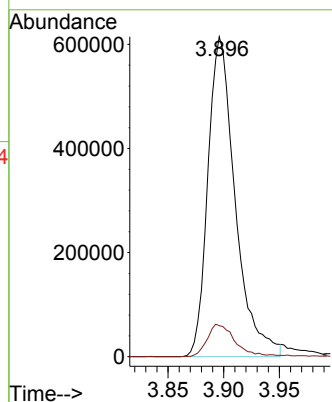
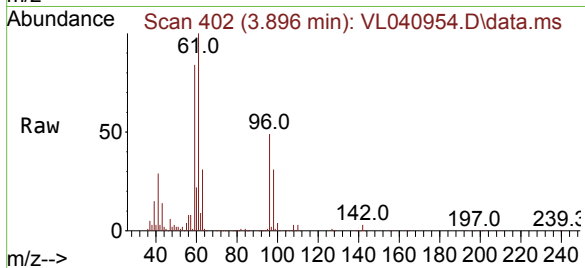
ClientSampleId :

Tgt Ion: 59 Resp: 1050787

Ion Ratio Lower Upper

59 100

57 11.0 8.3 12.5



#18

1,1-Dichloroethene

Concen: 10.058 ppbv

RT: 3.896 min Scan# 402

Delta R.T. -0.003 min

Lab File: VL040954.D

Acq: 22 Dec 2023 10:44

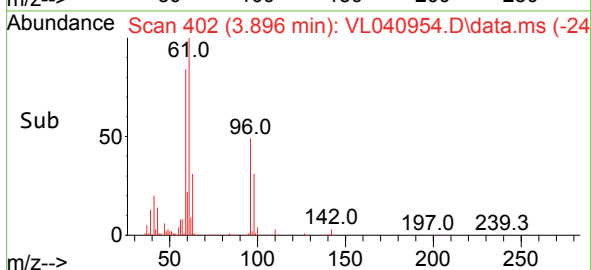
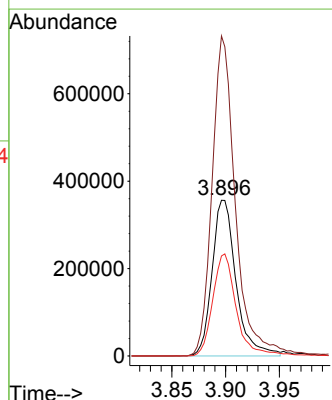
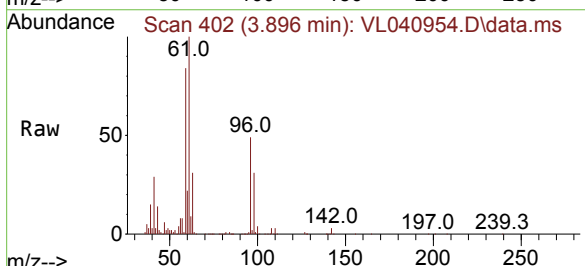
Tgt Ion: 96 Resp: 552279

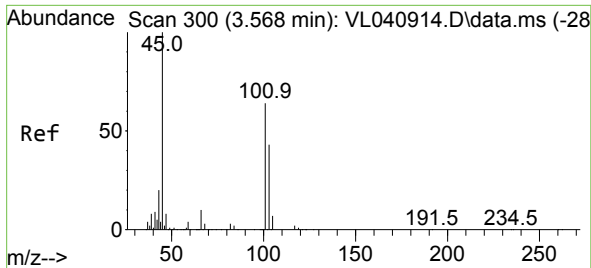
Ion Ratio Lower Upper

96 100

61 205.6 156.6 235.0

98 64.2 52.5 78.7

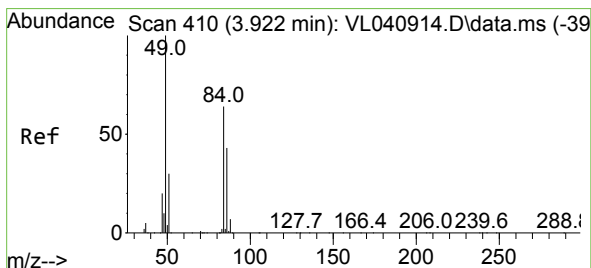
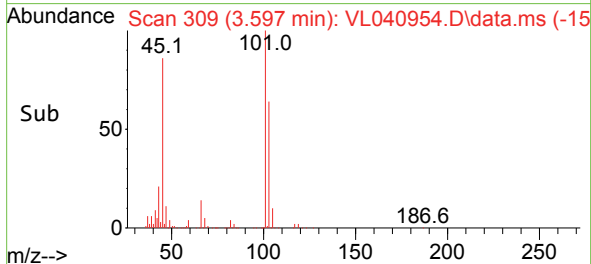
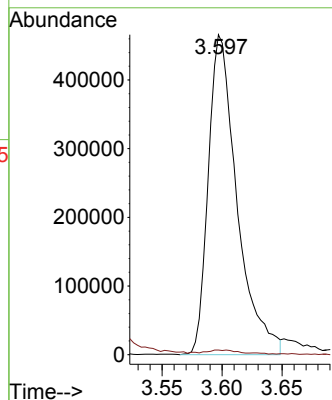
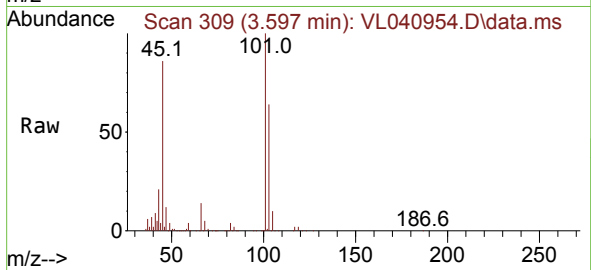




#19
Isopropyl Alcohol
Concen: 10.783 ppbv
RT: 3.597 min Scan# 300
Delta R.T. -0.003 min
Lab File: VL040954.D
Acq: 22 Dec 2023 10:44

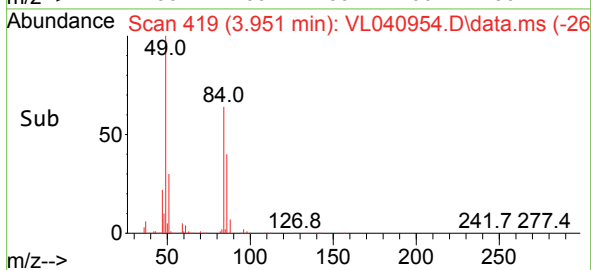
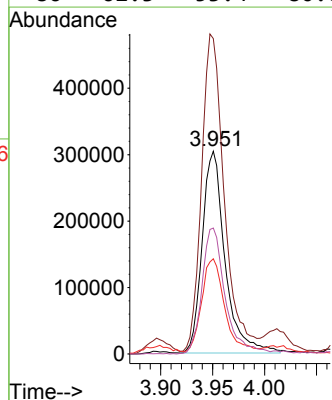
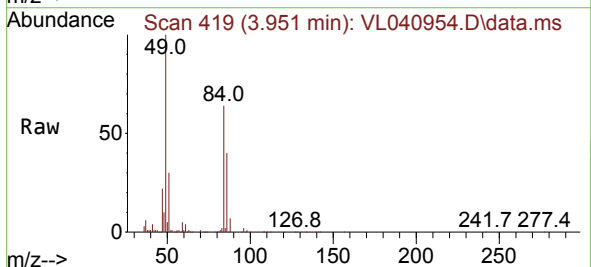
Instrument :
MSVOA_L
ClientSampleId :

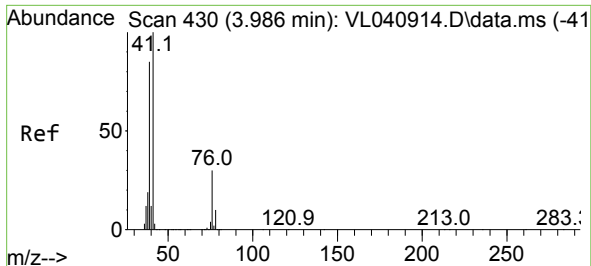
Tgt Ion: 45 Resp: 776061
Ion Ratio Lower Upper
45 100
58 2.3 1.5 2.3#



#20
Methylene Chloride
Concen: 9.479 ppbv
RT: 3.951 min Scan# 419
Delta R.T. -0.000 min
Lab File: VL040954.D
Acq: 22 Dec 2023 10:44

Tgt Ion: 84 Resp: 466044
Ion Ratio Lower Upper
84 100
49 155.2 124.6 187.0
51 45.7 37.2 55.8
86 62.3 53.4 80.0

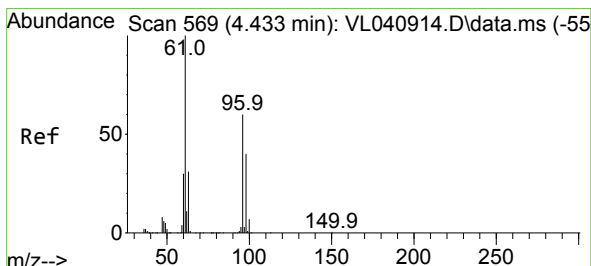
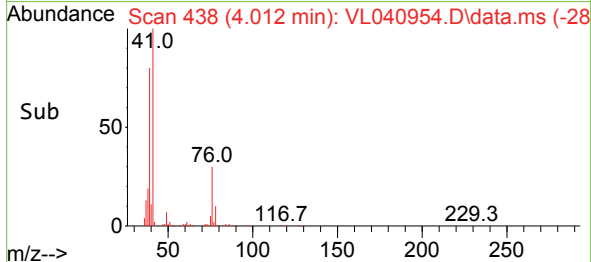
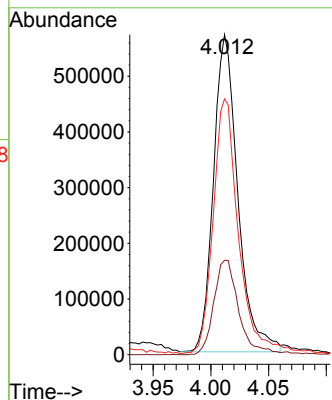
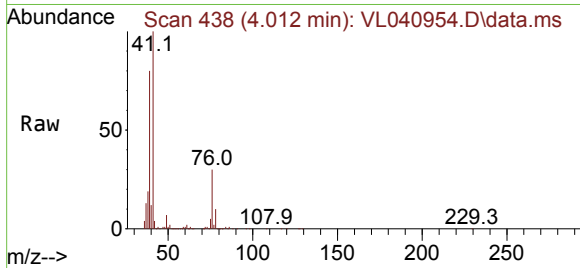




#21
 Allyl Chloride
 Concen: 10.264 ppbv
 RT: 4.012 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VL040954.D
 Acq: 22 Dec 2023 10:44

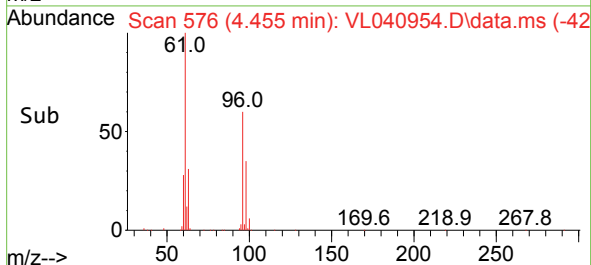
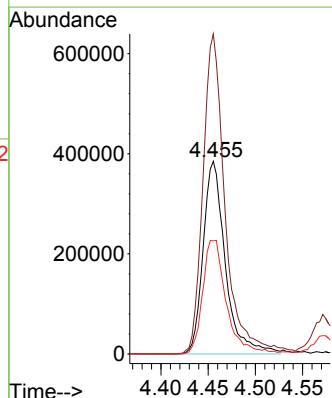
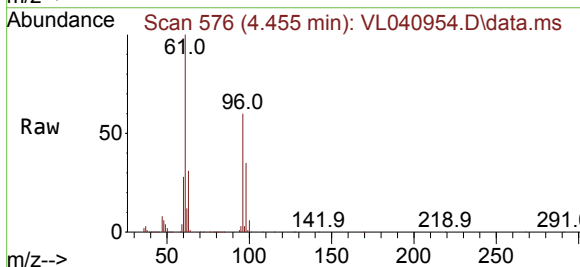
Instrument :
 MSVOA_L
 ClientSampleId :

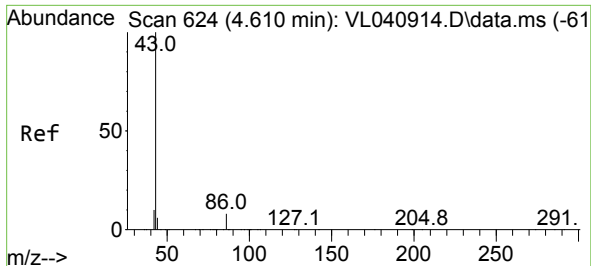
Tgt Ion: 41 Resp: 836852
 Ion Ratio Lower Upper
 41 100
 76 31.0 23.9 35.9
 39 84.5 66.5 99.7



#22
 trans-1,2-Dichloroethene
 Concen: 10.066 ppbv
 RT: 4.455 min Scan# 576
 Delta R.T. -0.000 min
 Lab File: VL040954.D
 Acq: 22 Dec 2023 10:44

Tgt Ion: 96 Resp: 630247
 Ion Ratio Lower Upper
 96 100
 61 165.9 133.0 199.6
 98 58.6 53.7 80.5



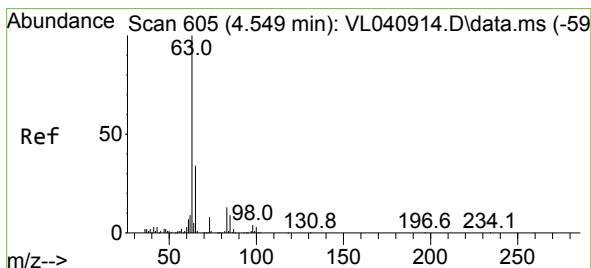
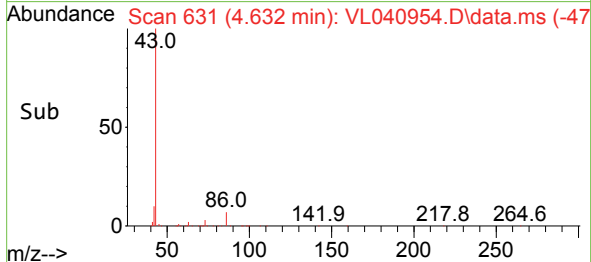
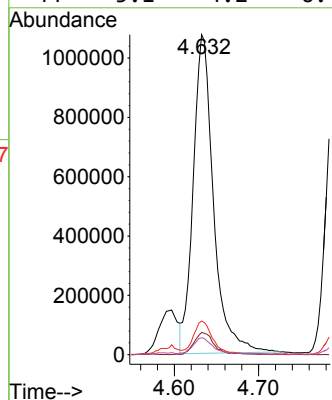
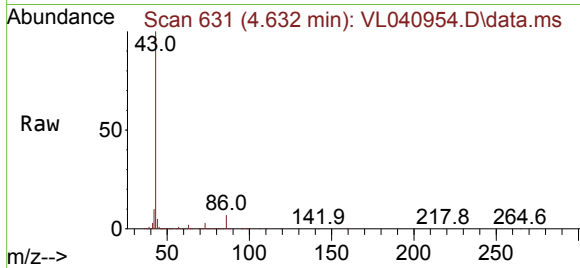


#23
 Vinyl Acetate
 Concen: 11.812 ppbv
 RT: 4.632 min Scan# 61
 Delta R.T. -0.003 min
 Lab File: VL040954.D
 Acq: 22 Dec 2023 10:44

Instrument :
 MSVOA_L
 ClientSampleId :

Tgt Ion: 43 Resp: 1797326

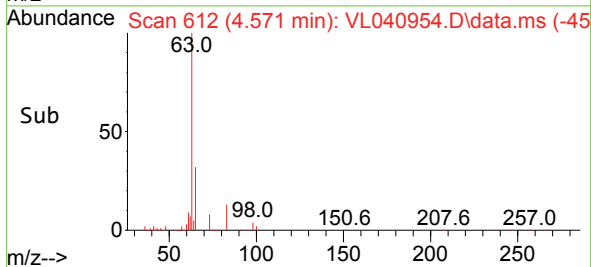
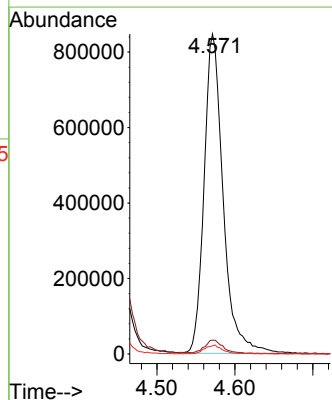
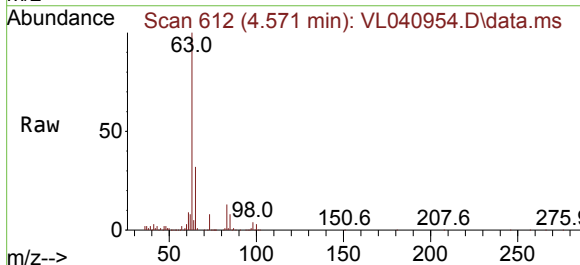
Ion	Ratio	Lower	Upper
43	100		
86	7.0	5.5	8.3
42	10.5	8.4	12.6
44	5.1	4.2	6.4

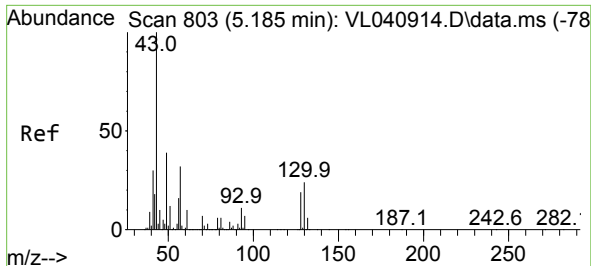


#24
 1,1-Dichloroethane
 Concen: 10.537 ppbv
 RT: 4.571 min Scan# 612
 Delta R.T. -0.003 min
 Lab File: VL040954.D
 Acq: 22 Dec 2023 10:44

Tgt Ion: 63 Resp: 1434133

Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.1	6.5
100	2.5	1.4	4.2



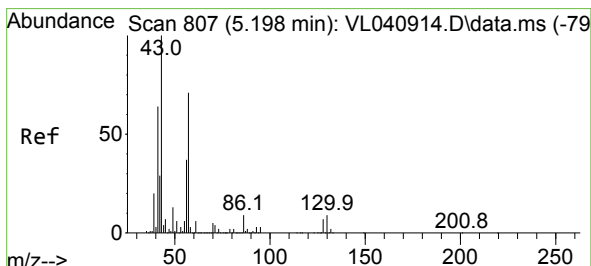
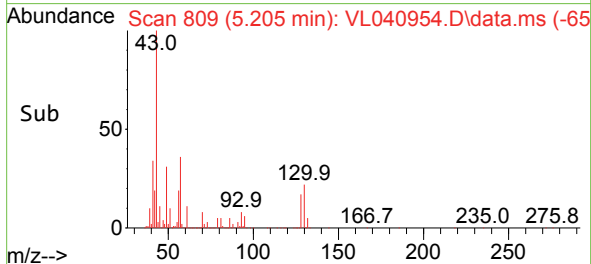
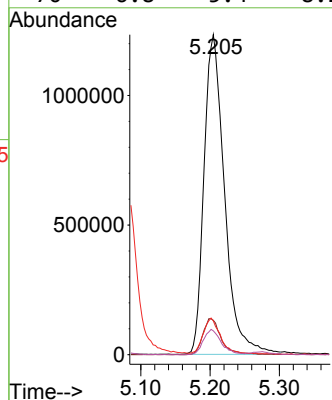
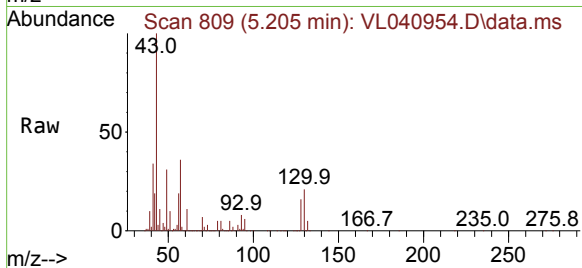


#25
Ethyl Acetate
Concen: 10.628 ppbv
RT: 5.205 min Scan# 803
Delta R.T. -0.000 min
Lab File: VL040954.D
Acq: 22 Dec 2023 10:44

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 2540107

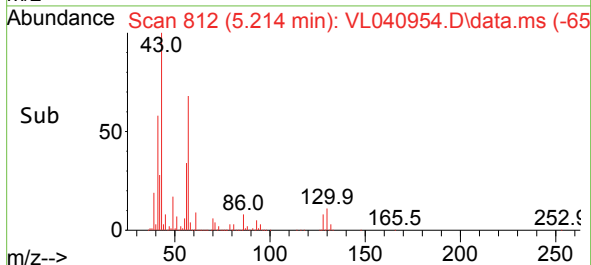
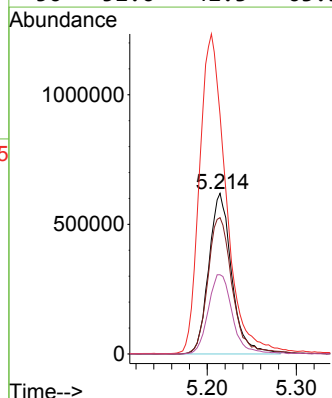
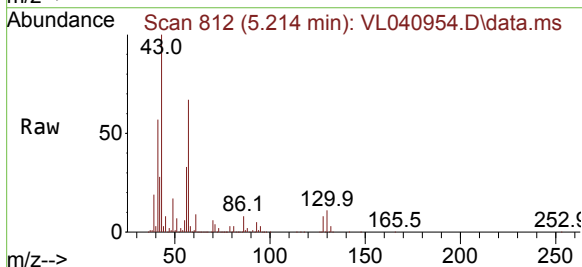
Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.2	12.2
61	10.1	7.6	11.4
70	6.8	5.4	8.2

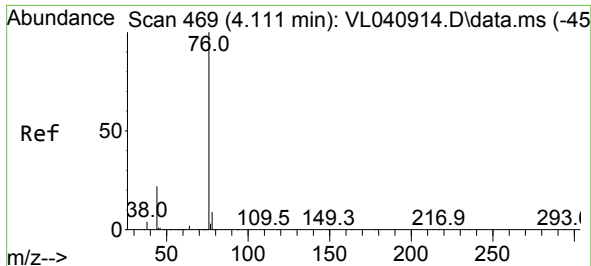


#26
Hexane
Concen: 10.418 ppbv
RT: 5.214 min Scan# 812
Delta R.T. -0.000 min
Lab File: VL040954.D
Acq: 22 Dec 2023 10:44

Tgt Ion: 57 Resp: 1103502

Ion	Ratio	Lower	Upper
57	100		
41	91.5	75.2	112.8
43	231.7	188.0	282.0
56	52.6	42.3	63.5

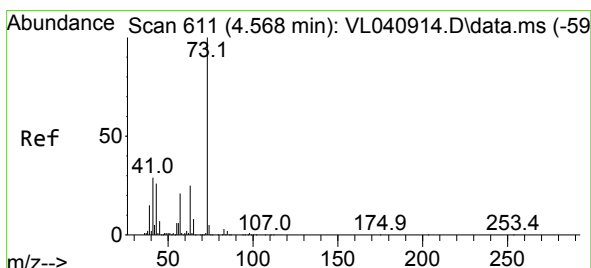
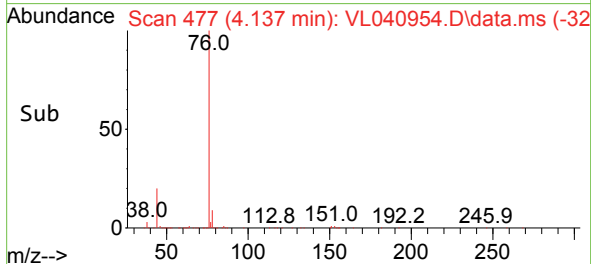
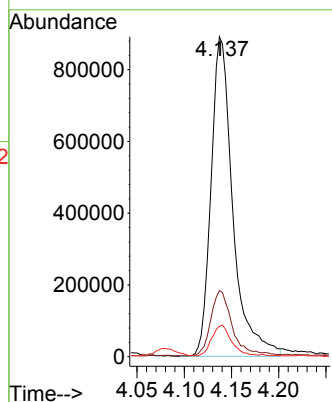
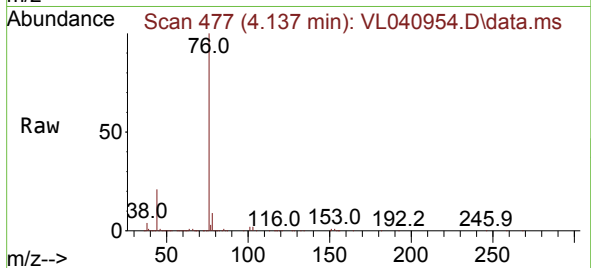




#27
Carbon Disulfide
Concen: 9.959 ppbv
RT: 4.137 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL040954.D
Acq: 22 Dec 2023 10:44

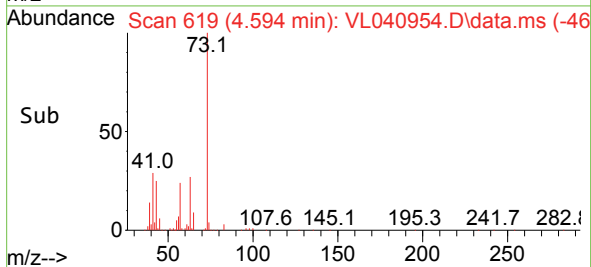
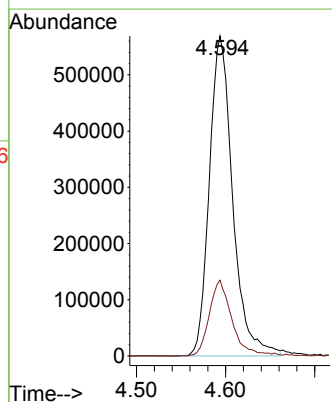
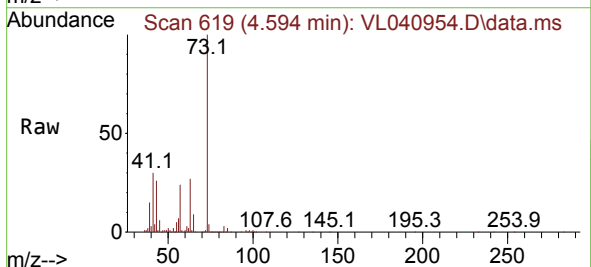
Instrument :
MSVOA_L
ClientSampleId :

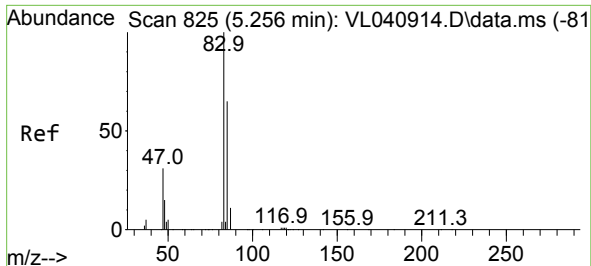
Tgt Ion: 76 Resp: 1427628
Ion Ratio Lower Upper
76 100
44 20.5 18.4 27.6
78 9.7 7.9 11.9



#28
Methyl tert-Butyl Ether
Concen: 10.529 ppbv
RT: 4.594 min Scan# 619
Delta R.T. -0.003 min
Lab File: VL040954.D
Acq: 22 Dec 2023 10:44

Tgt Ion: 73 Resp: 1034896
Ion Ratio Lower Upper
73 100
57 23.2 18.0 27.0





#29

Chloroform

Concen: 10.095 ppbv

RT: 5.275 min Scan# 81

Delta R.T. -0.000 min

Lab File: VL040954.D

Acq: 22 Dec 2023 10:44

Instrument :

MSVOA_L

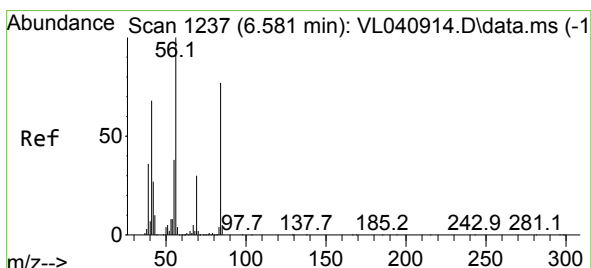
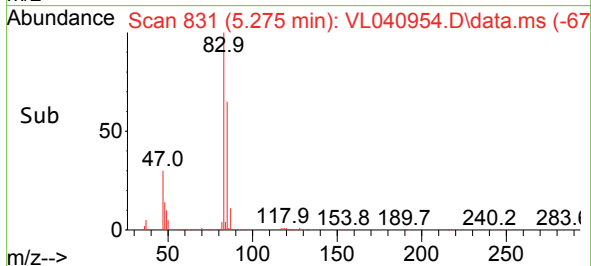
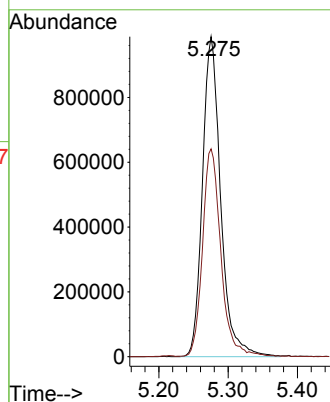
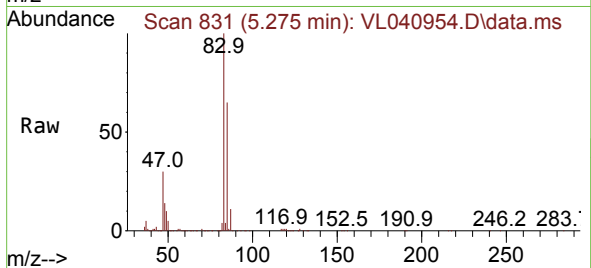
ClientSampleId :

Tgt Ion: 83 Resp: 1804350

Ion Ratio Lower Upper

83 100

85 64.8 52.3 78.5



#30

Cyclohexane

Concen: 10.807 ppbv

RT: 6.594 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VL040954.D

Acq: 22 Dec 2023 10:44

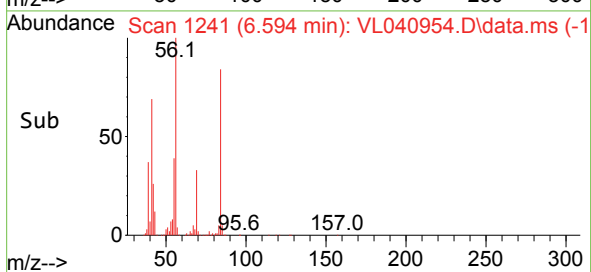
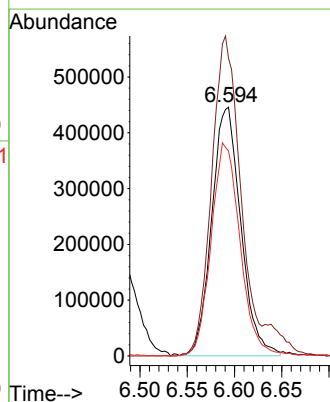
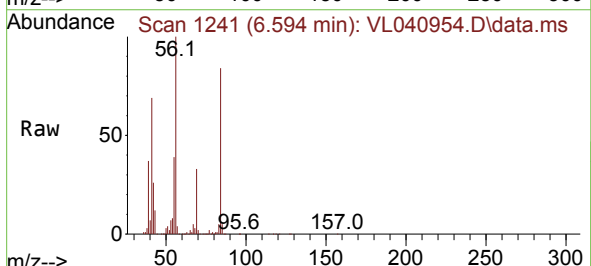
Tgt Ion: 84 Resp: 954293

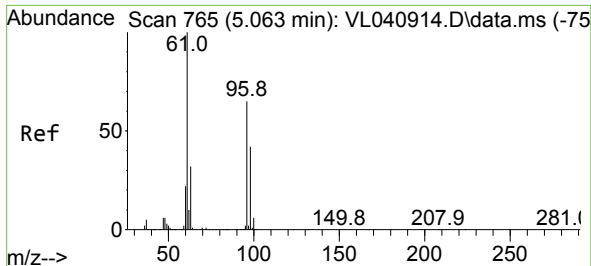
Ion Ratio Lower Upper

84 100

56 135.5 111.4 167.2

41 85.2 70.0 105.0

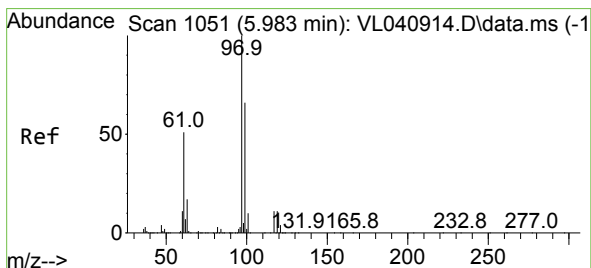
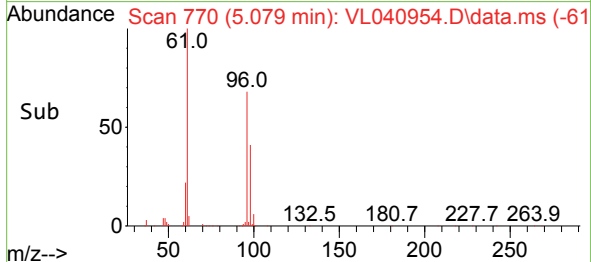
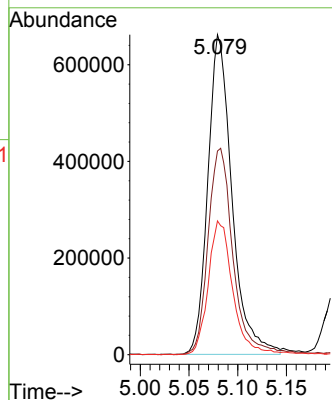
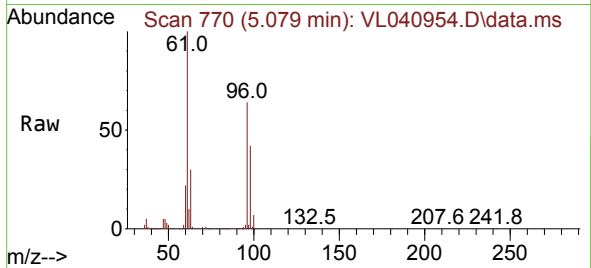




#31
 cis-1,2-Dichloroethene
 Concen: 10.480 ppbv
 RT: 5.079 min Scan# 71
 Delta R.T. -0.003 min
 Lab File: VL040954.D
 Acq: 22 Dec 2023 10:44

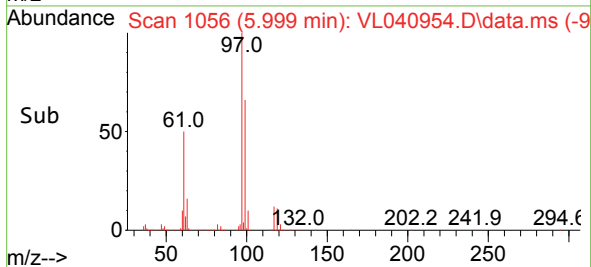
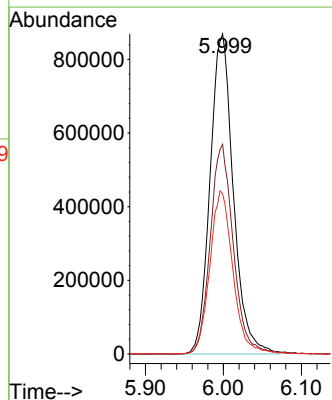
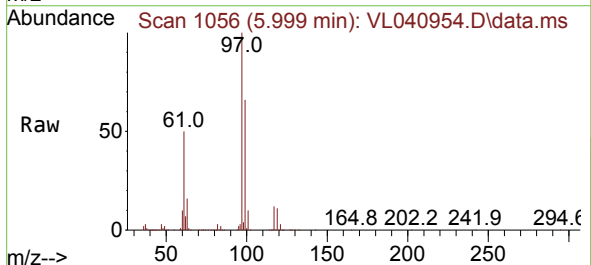
Instrument :
 MSVOA_L
 ClientSampleId :

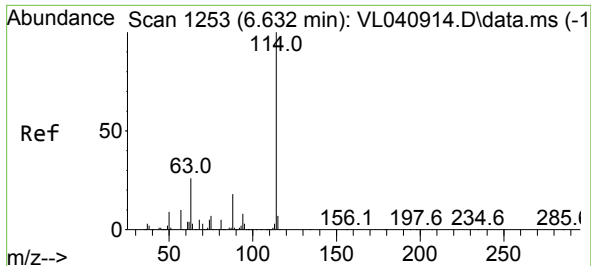
Tgt Ion: 61 Resp: 1140290
 Ion Ratio Lower Upper
 61 100
 96 63.6 51.7 77.5
 98 41.8 33.2 49.8



#32
 1,1,1-Trichloroethane
 Concen: 10.416 ppbv
 RT: 5.999 min Scan# 1056
 Delta R.T. -0.000 min
 Lab File: VL040954.D
 Acq: 22 Dec 2023 10:44

Tgt Ion: 97 Resp: 1800067
 Ion Ratio Lower Upper
 97 100
 99 65.1 51.8 77.6
 61 50.7 41.0 61.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.642 min Scan# 114

Delta R.T. -0.000 min

Lab File: VL040954.D

Acq: 22 Dec 2023 10:44

Instrument :

MSVOA_L

ClientSampleId :

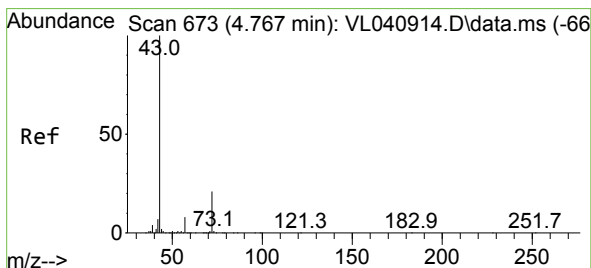
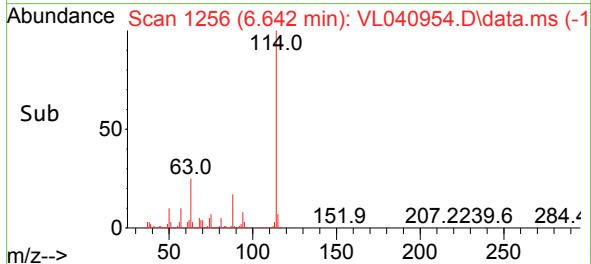
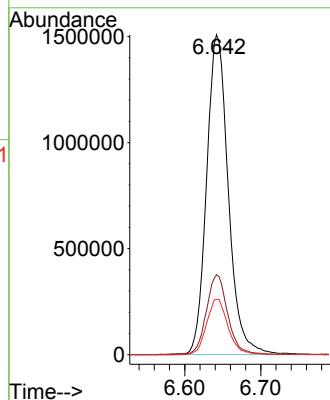
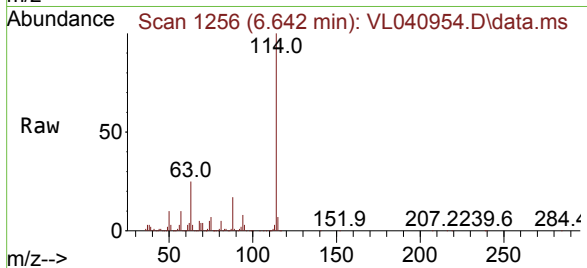
Tgt Ion:114 Resp: 2990103

Ion Ratio Lower Upper

114 100

63 25.0 21.0 31.6

88 17.3 14.3 21.5



#34

2-Butanone

Concen: 10.058 ppbv

RT: 4.790 min Scan# 680

Delta R.T. -0.003 min

Lab File: VL040954.D

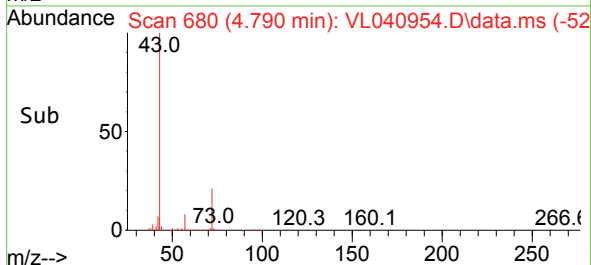
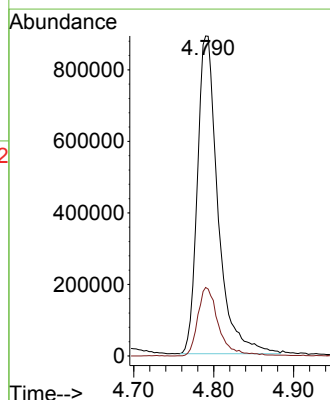
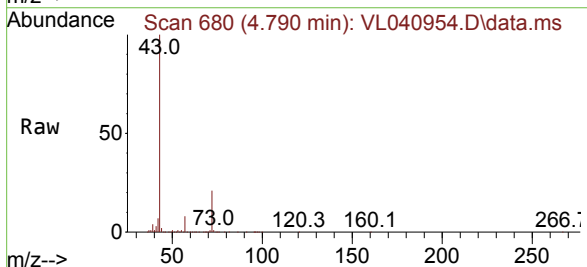
Acq: 22 Dec 2023 10:44

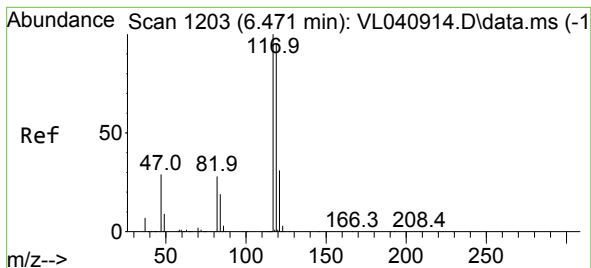
Tgt Ion: 43 Resp: 1590938

Ion Ratio Lower Upper

43 100

72 22.1 17.2 25.8





#35

Carbon Tetrachloride

Concen: 10.183 ppbv

RT: 6.484 min Scan# 11

Delta R.T. -0.000 min

Lab File: VL040954.D

Acq: 22 Dec 2023 10:44

Instrument :

MSVOA_L

ClientSampleId :

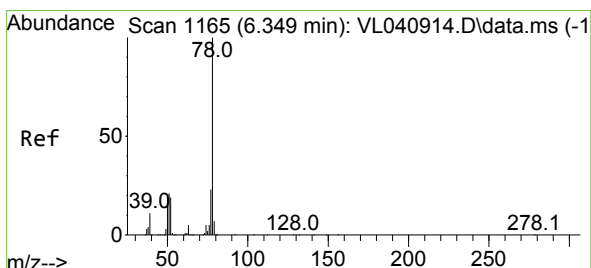
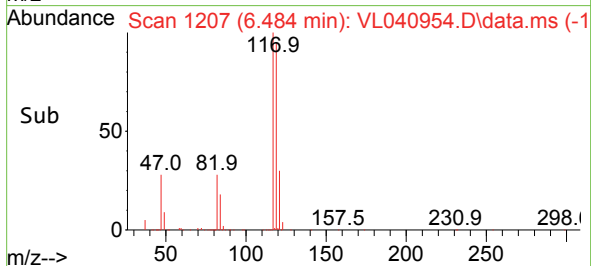
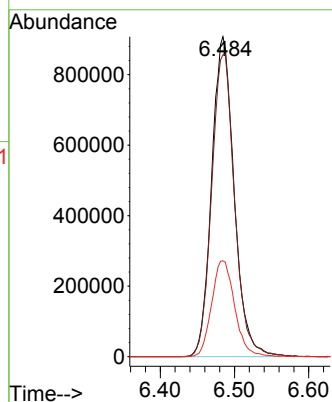
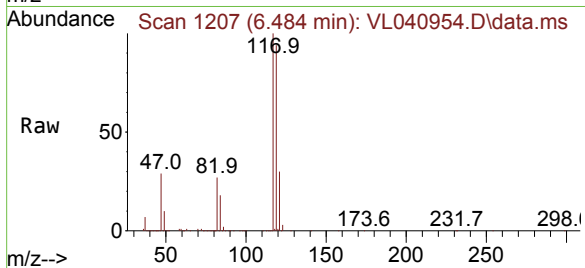
Tgt Ion:117 Resp: 1906918

Ion Ratio Lower Upper

117 100

119 94.4 76.3 114.5

121 29.9 24.9 37.3



#36

Benzene

Concen: 10.036 ppbv

RT: 6.362 min Scan# 1169

Delta R.T. -0.000 min

Lab File: VL040954.D

Acq: 22 Dec 2023 10:44

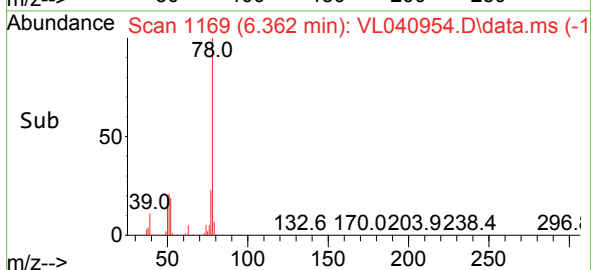
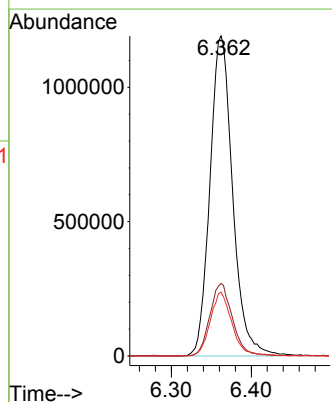
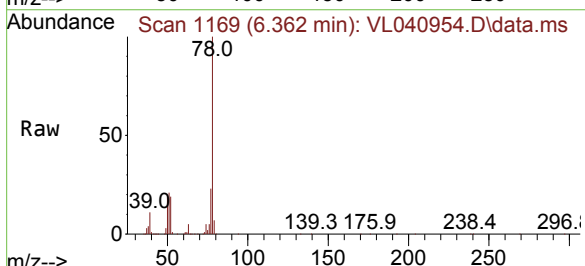
Tgt Ion: 78 Resp: 2345836

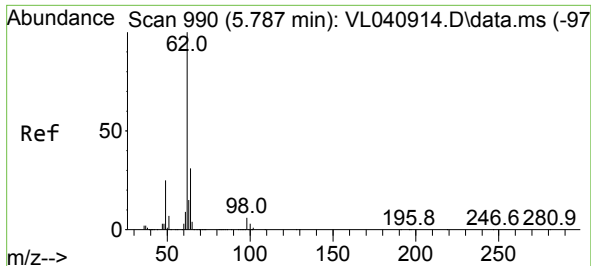
Ion Ratio Lower Upper

78 100

77 22.6 18.4 27.6

50 19.9 16.0 24.0

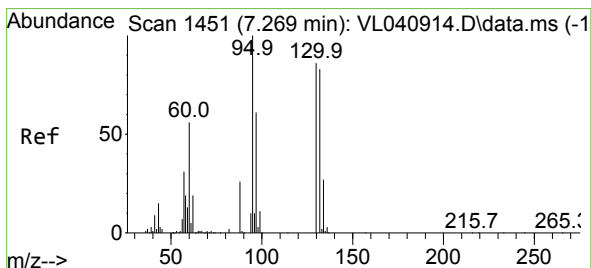
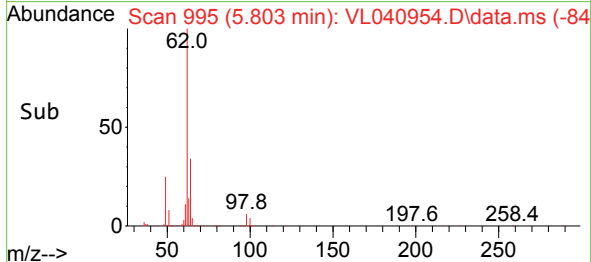
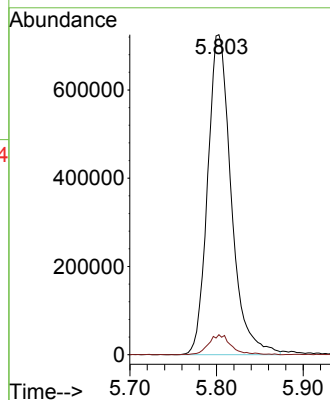
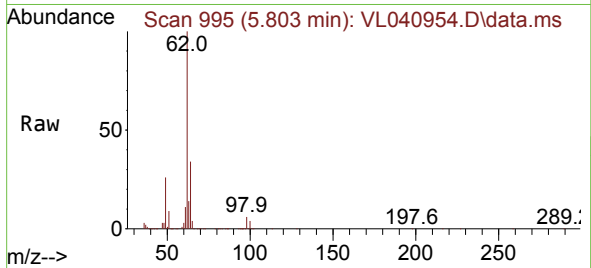




#37
1,2-Dichloroethane
Concen: 9.799 ppbv
RT: 5.803 min Scan# 990
Delta R.T. -0.000 min
Lab File: VL040954.D
Acq: 22 Dec 2023 10:44

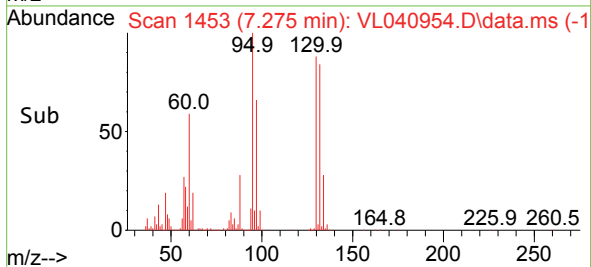
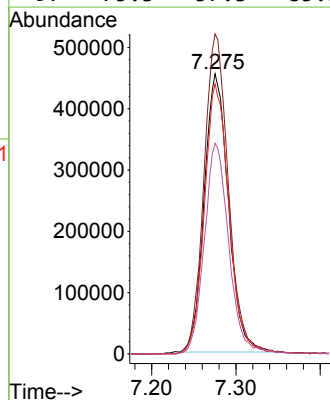
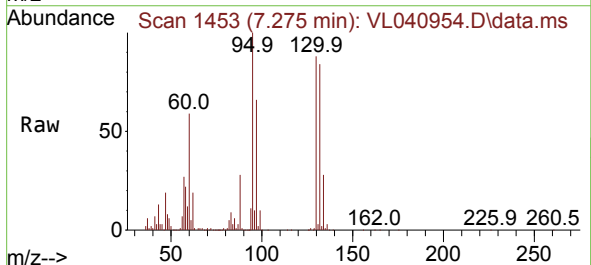
Instrument :
MSVOA_L
ClientSampleId :

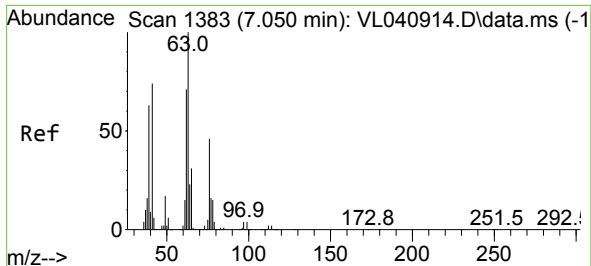
Tgt Ion: 62 Resp: 1372485
Ion Ratio Lower Upper
62 100
98 6.1 4.6 7.0



#38
Trichloroethene
Concen: 10.326 ppbv
RT: 7.275 min Scan# 1453
Delta R.T. -0.003 min
Lab File: VL040954.D
Acq: 22 Dec 2023 10:44

Tgt Ion:130 Resp: 906557
Ion Ratio Lower Upper
130 100
95 114.4 93.5 140.3
132 96.7 77.4 116.2
97 75.3 57.3 85.9





#39

1,2-Dichloropropane

Concen: 9.947 ppbv

RT: 7.057 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL040954.D

Acq: 22 Dec 2023 10:44

Instrument :

MSVOA_L

ClientSampleId :

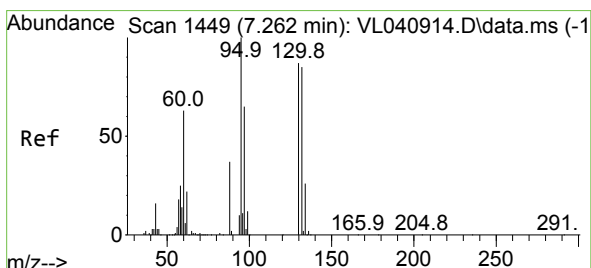
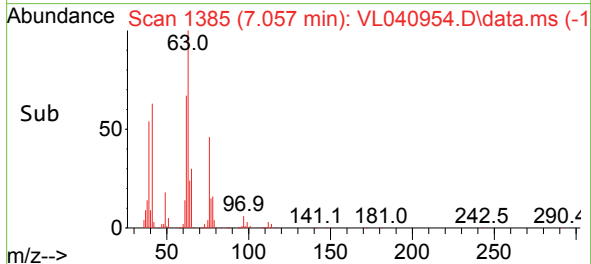
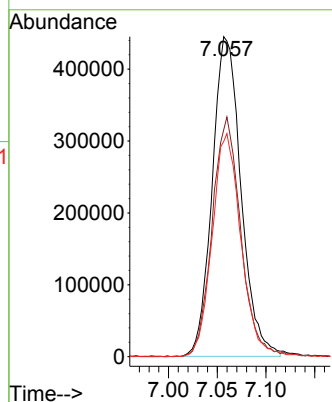
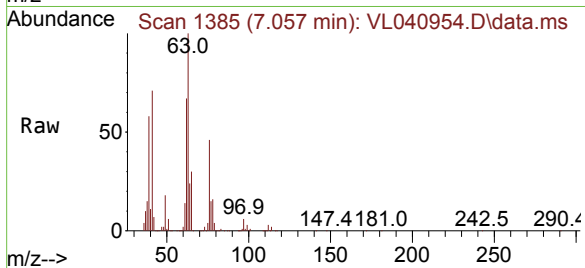
Tgt Ion: 63 Resp: 913713

Ion Ratio Lower Upper

63 100

41 70.9 59.0 88.6

62 67.3 56.6 85.0



#40

1,4-Dioxane

Concen: 9.558 ppbv

RT: 7.269 min Scan# 1451

Delta R.T. 0.003 min

Lab File: VL040954.D

Acq: 22 Dec 2023 10:44

Tgt Ion: 88 Resp: 370683

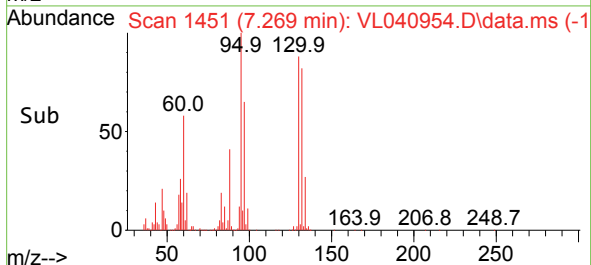
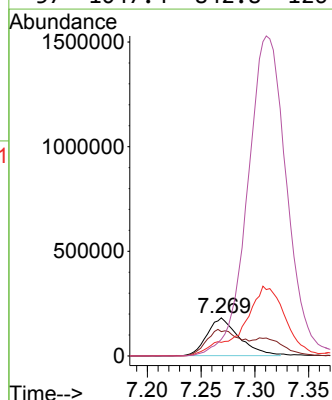
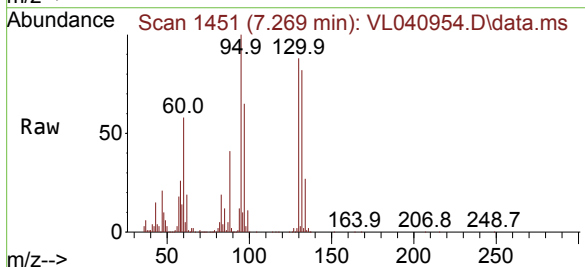
Ion Ratio Lower Upper

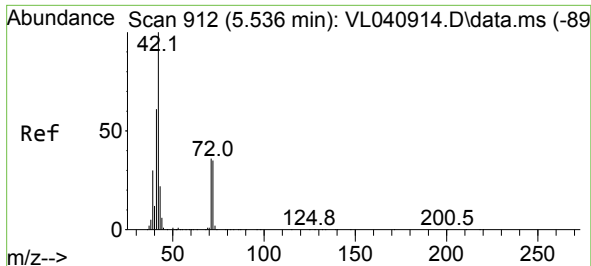
88 100

58 121.6 97.3 145.9

43 242.8 200.6 300.8

57 1047.4 842.8 1264.2

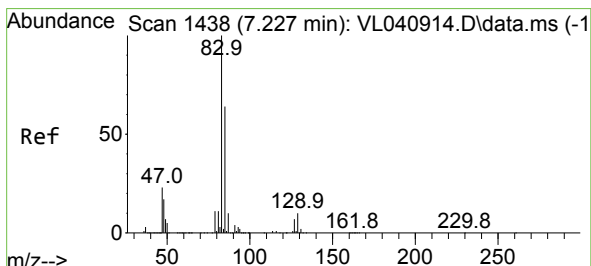
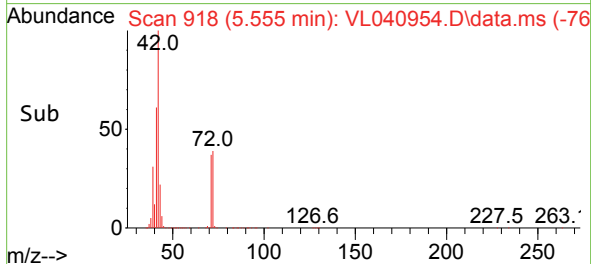
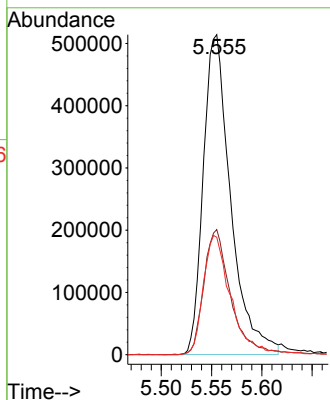
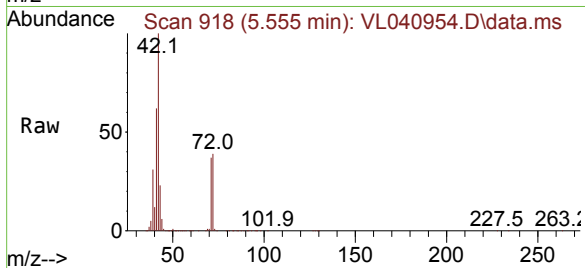




#41
Tetrahydrofuran
Concen: 10.123 ppbv
RT: 5.555 min Scan# 912
Delta R.T. 0.003 min
Lab File: VL040954.D
Acq: 22 Dec 2023 10:44

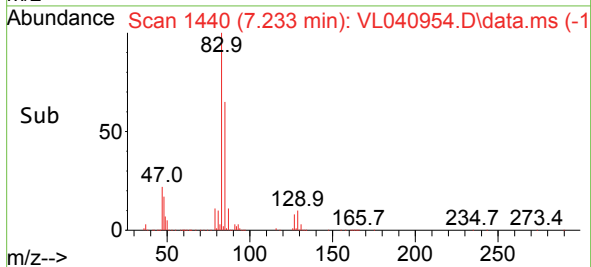
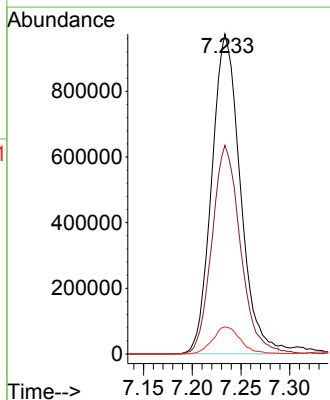
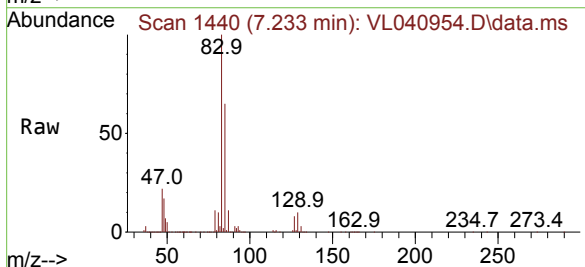
Instrument :
MSVOA_L
ClientSampleId :

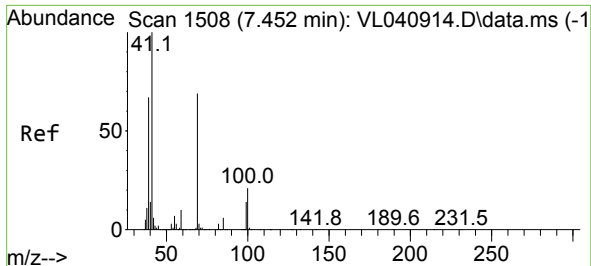
Tgt Ion: 42 Resp: 974219
Ion Ratio Lower Upper
42 100
72 39.1 29.6 44.4
71 37.7 29.1 43.7



#42
Bromodichloromethane
Concen: 9.805 ppbv
RT: 7.233 min Scan# 1440
Delta R.T. -0.000 min
Lab File: VL040954.D
Acq: 22 Dec 2023 10:44

Tgt Ion: 83 Resp: 1980521
Ion Ratio Lower Upper
83 100
85 65.2 51.4 77.0
127 8.5 5.9 8.9

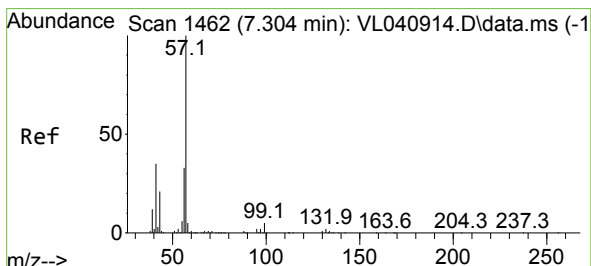
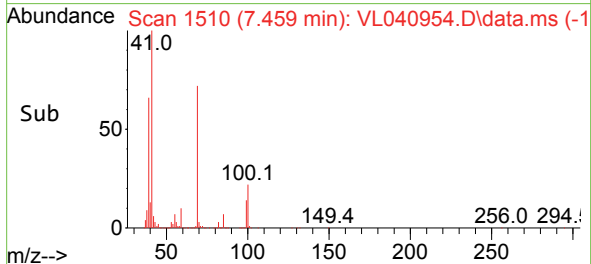
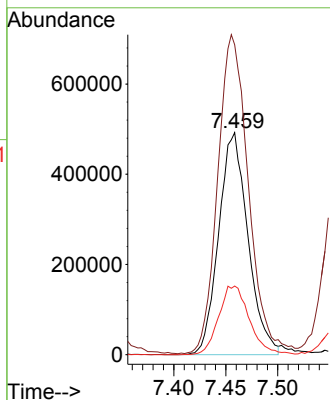
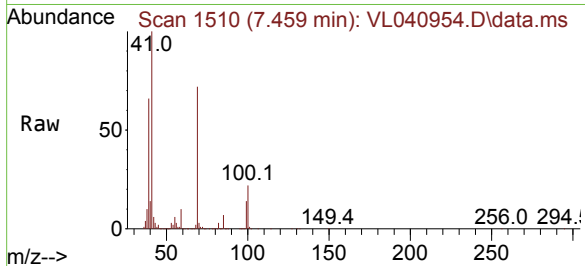




#43
Methyl Methacrylate
Concen: 10.527 ppbv
RT: 7.459 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL040954.D
Acq: 22 Dec 2023 10:44

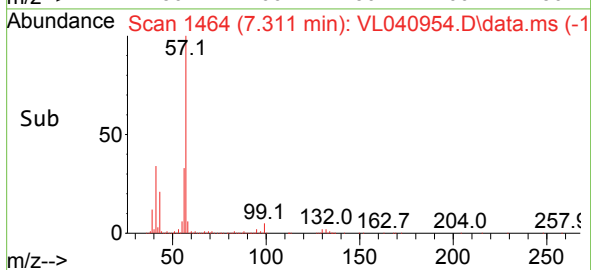
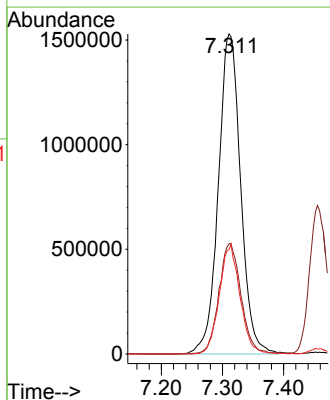
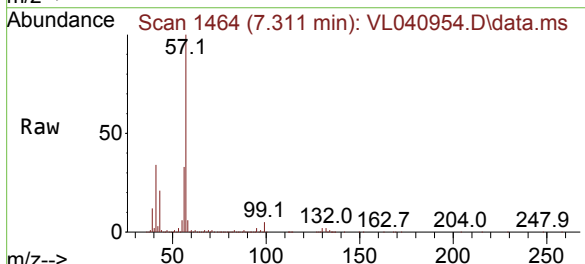
Instrument :
MSVOA_L
ClientSampleId :

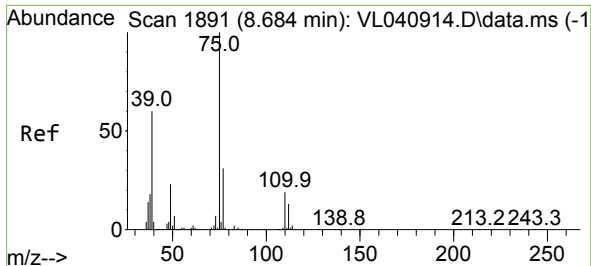
Tgt Ion: 69 Resp: 965201
Ion Ratio Lower Upper
69 100
41 152.1 119.9 179.9
100 32.5 25.1 37.7



#44
2,2,4-Trimethylpentane
Concen: 9.759 ppbv
RT: 7.311 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VL040954.D
Acq: 22 Dec 2023 10:44

Tgt Ion: 57 Resp: 3874703
Ion Ratio Lower Upper
57 100
41 34.4 28.2 42.4
56 31.7 25.3 37.9

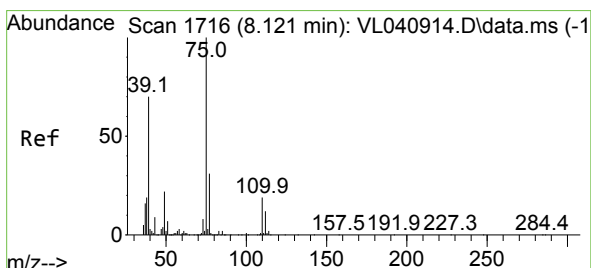
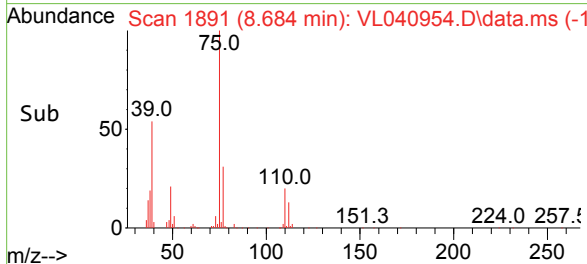
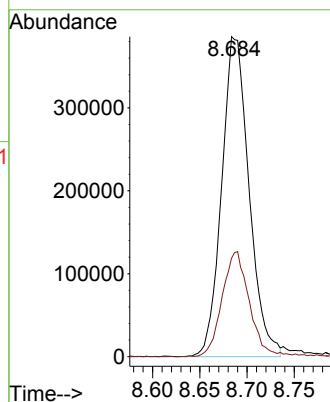
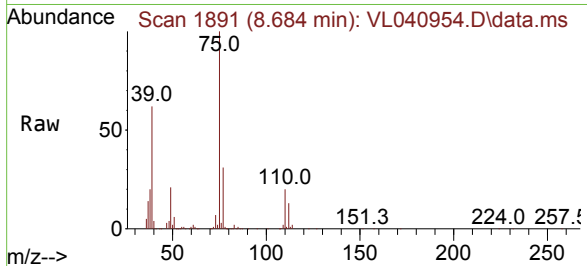




#45
t-1,3-Dichloropropene
Concen: 11.434 ppbv
RT: 8.684 min Scan# 1891
Delta R.T. -0.003 min
Lab File: VL040954.D
Acq: 22 Dec 2023 10:44

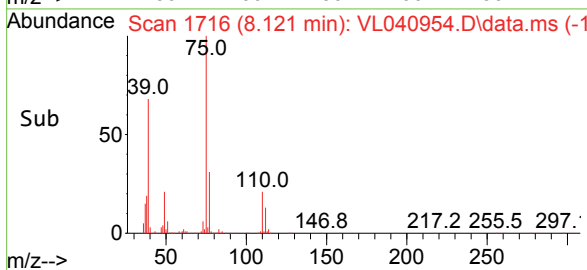
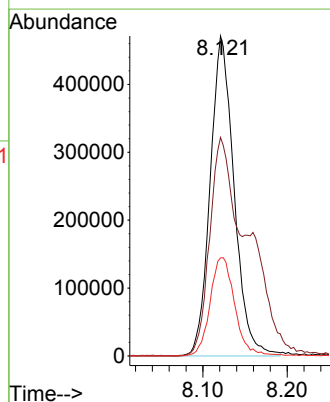
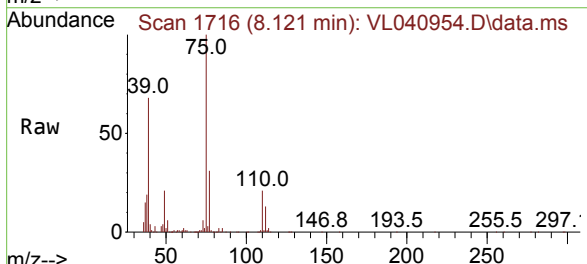
Instrument :
MSVOA_L
ClientSampleId :

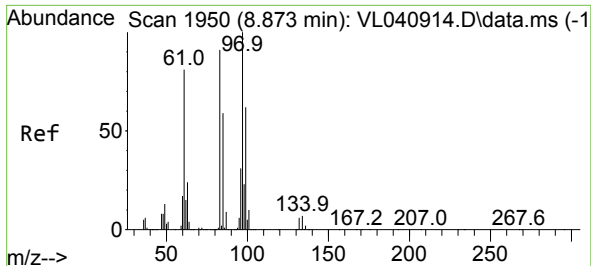
Tgt Ion: 75 Resp: 777792
Ion Ratio Lower Upper
75 100
77 30.8 24.8 37.2



#46
cis-1,3-Dichloropropene
Concen: 11.023 ppbv
RT: 8.121 min Scan# 1716
Delta R.T. -0.003 min
Lab File: VL040954.D
Acq: 22 Dec 2023 10:44

Tgt Ion: 75 Resp: 928296
Ion Ratio Lower Upper
75 100
39 68.1 56.2 84.4
77 30.6 24.5 36.7





#47

1,1,2-Trichloroethane

Concen: 10.063 ppbv

RT: 8.873 min Scan# 1950

Delta R.T. -0.003 min

Lab File: VL040954.D

Acq: 22 Dec 2023 10:44

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 97 Resp: 980466

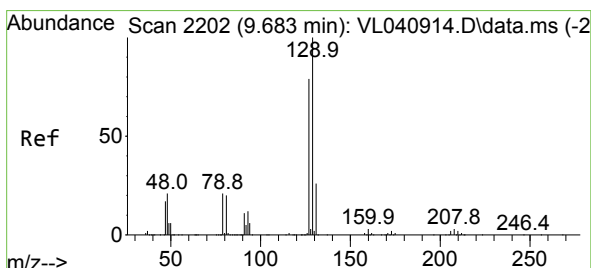
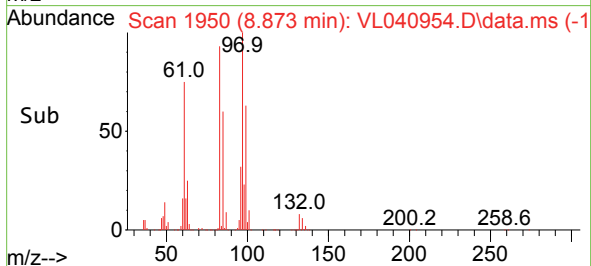
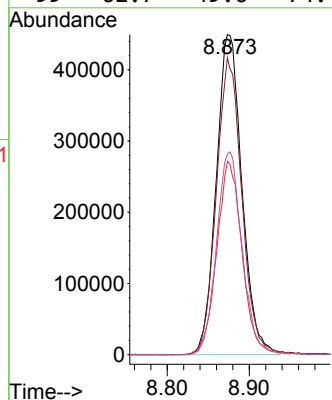
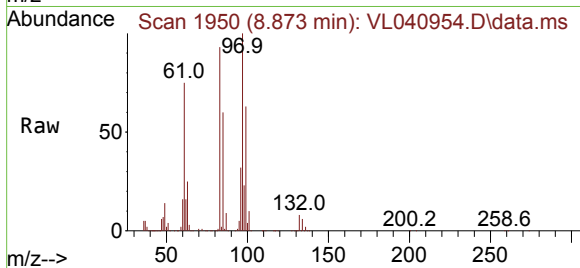
Ion Ratio Lower Upper

97 100

83 92.8 72.6 108.8

85 60.4 47.4 71.0

99 62.7 49.6 74.4



#48

Dibromochloromethane

Concen: 10.611 ppbv

RT: 9.684 min Scan# 2202

Delta R.T. -0.003 min

Lab File: VL040954.D

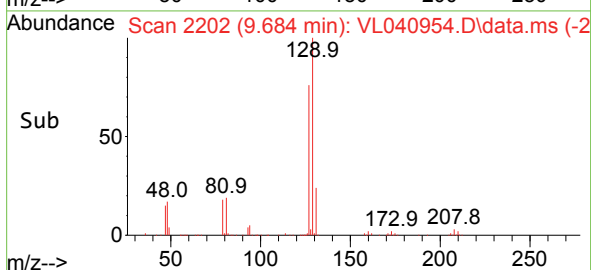
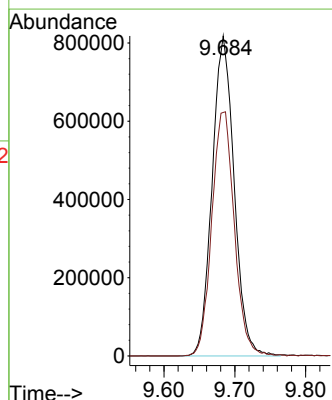
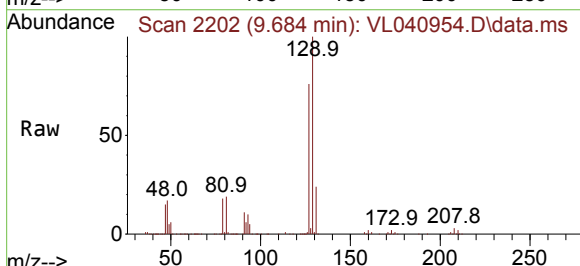
Acq: 22 Dec 2023 10:44

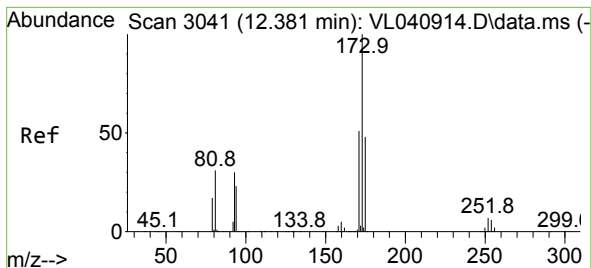
Tgt Ion: 129 Resp: 1764917

Ion Ratio Lower Upper

129 100

127 78.3 39.6 119.0





#49

Bromoform

Concen: 10.948 ppbv

RT: 12.375 min Scan# 3041

Delta R.T. -0.000 min

Lab File: VL040954.D

Acq: 22 Dec 2023 10:44

Instrument :

MSVOA_L

ClientSampleId :

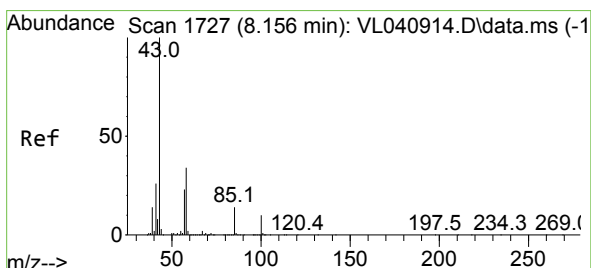
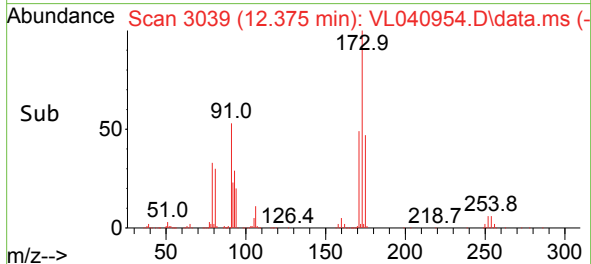
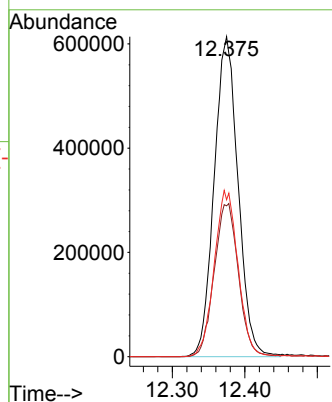
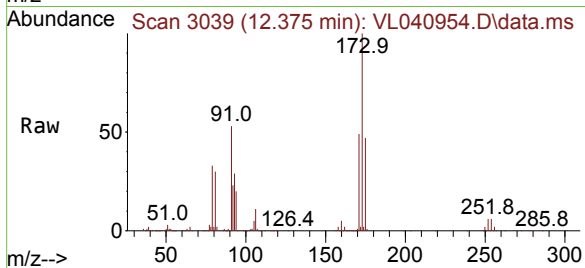
Tgt Ion:173 Resp: 1404937

Ion Ratio Lower Upper

173 100

175 49.1 39.3 58.9

171 52.1 41.8 62.6



#50

4-Methyl-2-Pentanone

Concen: 10.207 ppbv

RT: 8.156 min Scan# 1727

Delta R.T. -0.003 min

Lab File: VL040954.D

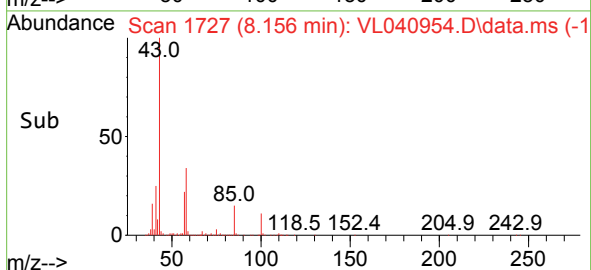
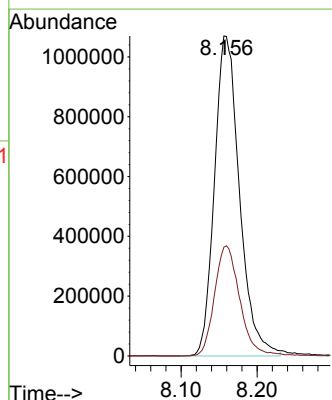
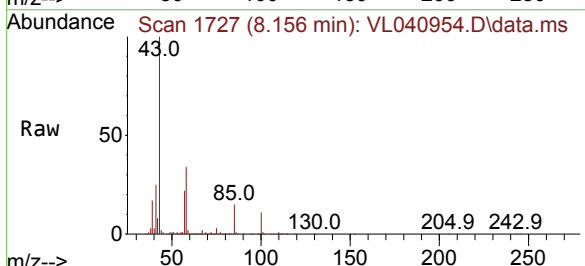
Acq: 22 Dec 2023 10:44

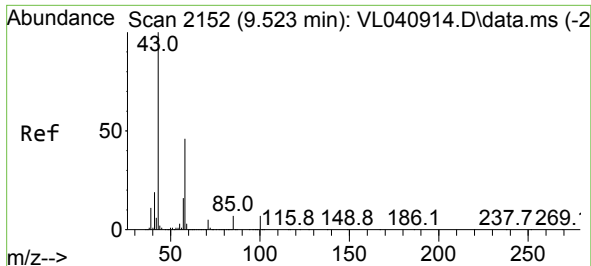
Tgt Ion: 43 Resp: 2445214

Ion Ratio Lower Upper

43 100

58 34.9 27.4 41.0

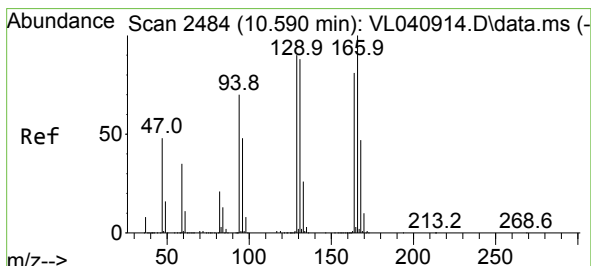
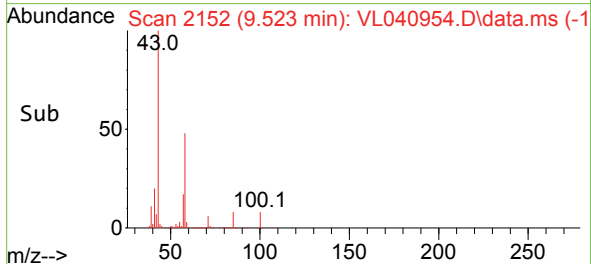
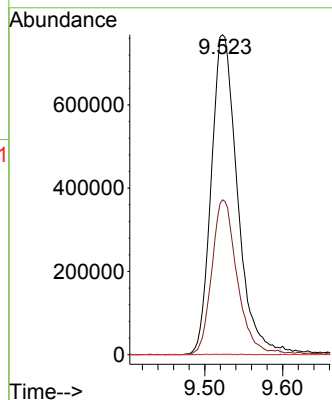
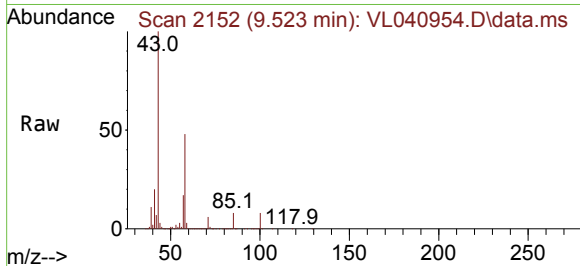




#51
2-Hexanone
Concen: 10.363 ppbv
RT: 9.523 min Scan# 2152
Delta R.T. -0.000 min
Lab File: VL040954.D
Acq: 22 Dec 2023 10:44

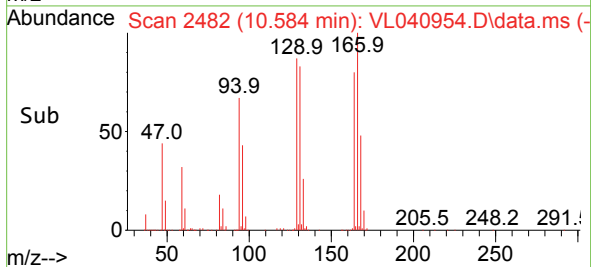
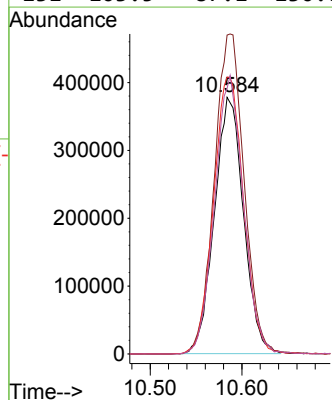
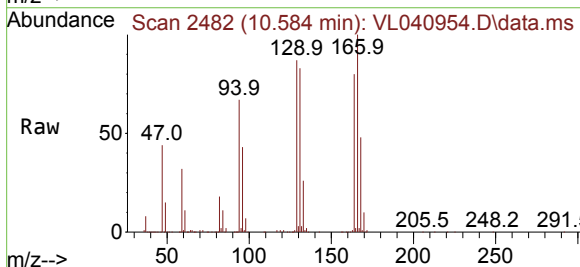
Instrument :
MSVOA_L
ClientSampleId :

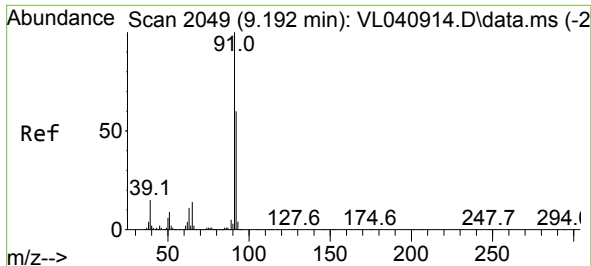
Tgt Ion: 43 Resp: 1786829
Ion Ratio Lower Upper
43 100
58 47.7 37.3 55.9
98 0.2 0.2 0.2



#52
Tetrachloroethene
Concen: 10.582 ppbv
RT: 10.584 min Scan# 2482
Delta R.T. -0.003 min
Lab File: VL040954.D
Acq: 22 Dec 2023 10:44

Tgt Ion: 164 Resp: 833250
Ion Ratio Lower Upper
164 100
166 124.4 98.9 148.3
129 107.9 88.7 133.1
131 103.5 87.1 130.7

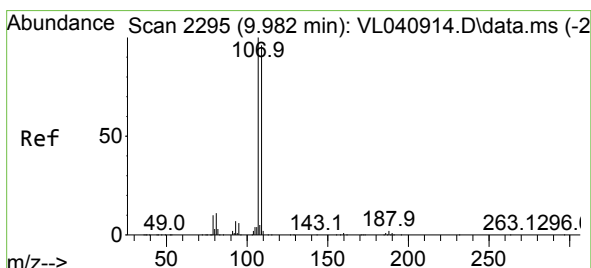
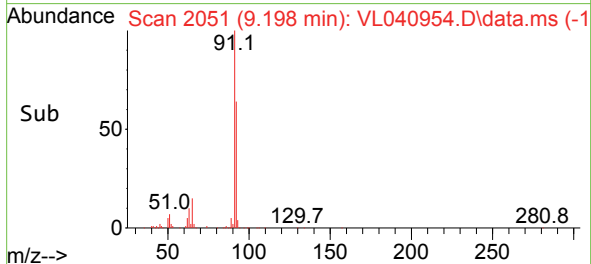
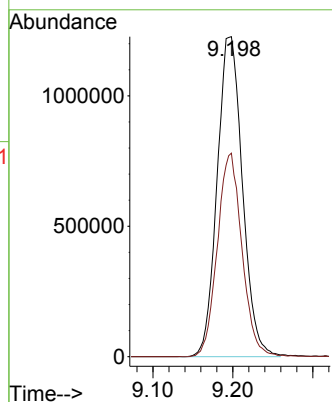
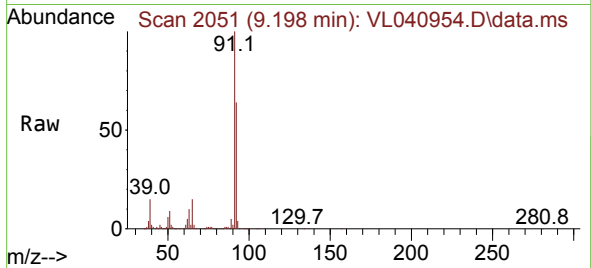




#53
Toluene
Concen: 10.394 ppbv
RT: 9.198 min Scan# 2049
Delta R.T. 0.003 min
Lab File: VL040954.D
Acq: 22 Dec 2023 10:44

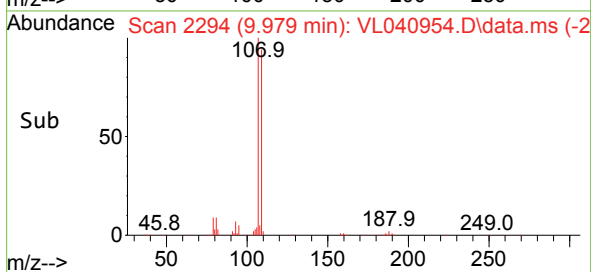
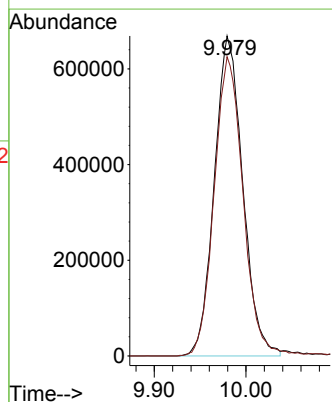
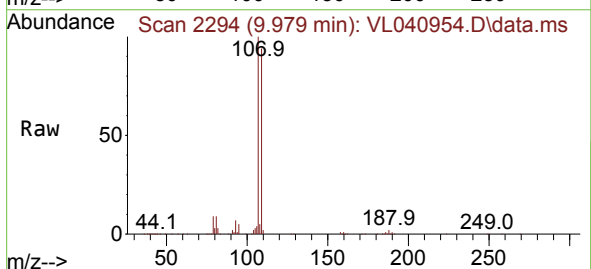
Instrument :
MSVOA_L
ClientSampleId :

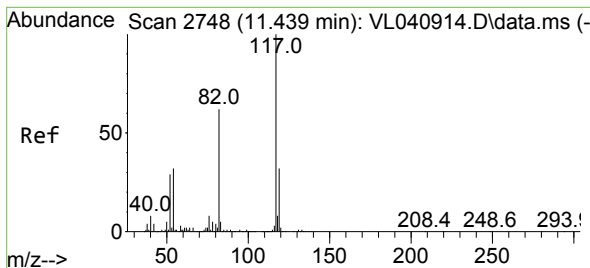
Tgt Ion: 91 Resp: 2693974
Ion Ratio Lower Upper
91 100
92 62.1 49.2 73.8



#54
1,2-Dibromoethane
Concen: 10.773 ppbv
RT: 9.979 min Scan# 2294
Delta R.T. -0.003 min
Lab File: VL040954.D
Acq: 22 Dec 2023 10:44

Tgt Ion: 107 Resp: 1440537
Ion Ratio Lower Upper
107 100
109 93.3 77.0 115.4

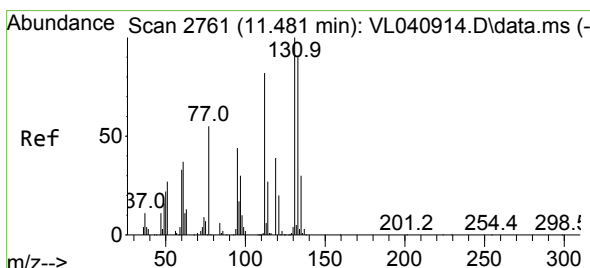
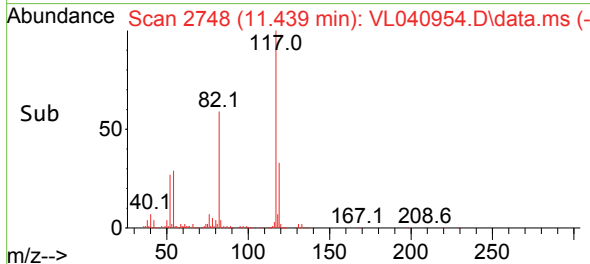
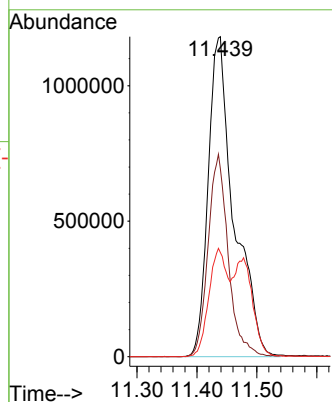
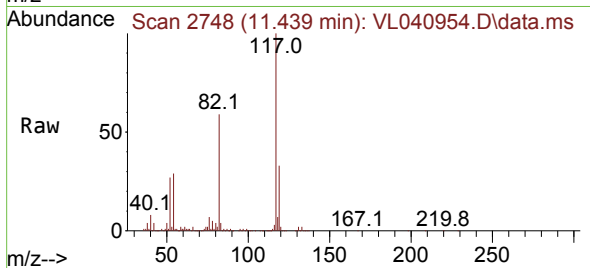




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.439 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL040954.D
Acq: 22 Dec 2023 10:44

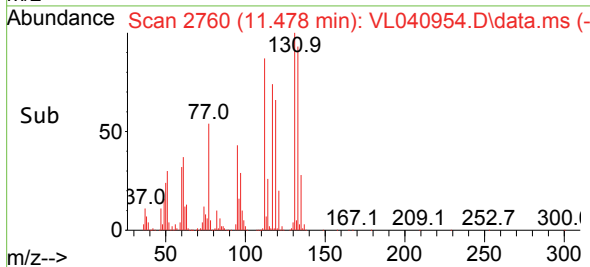
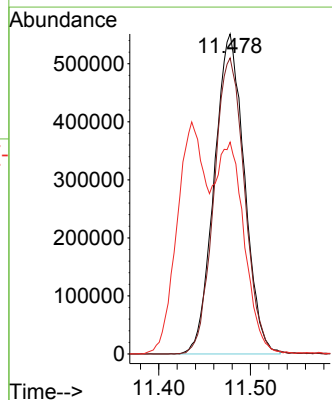
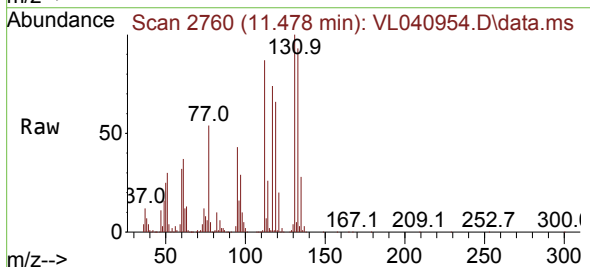
Instrument :
MSVOA_L
ClientSampleId :

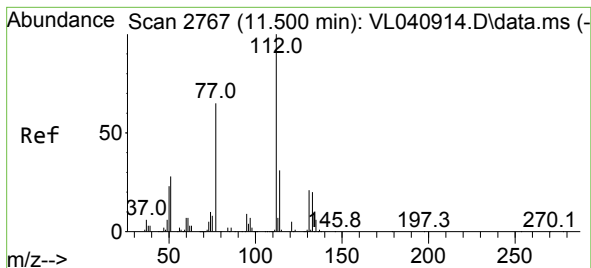
Tgt Ion:117 Resp: 3529769
Ion Ratio Lower Upper
117 100
82 49.6 49.6 74.4#
119 24.5 23.4 35.0



#56
1,1,1,2-Tetrachloroethane
Concen: 8.167 ppbv
RT: 11.478 min Scan# 2760
Delta R.T. 0.003 min
Lab File: VL040954.D
Acq: 22 Dec 2023 10:44

Tgt Ion:131 Resp: 1260615
Ion Ratio Lower Upper
131 100
133 93.9 76.3 114.5
119 59.8 48.6 73.0





#57

Chlorobenzene

Concen: 8.123 ppbv

RT: 11.497 min Scan# 2111

Delta R.T. -0.000 min

Lab File: VL040954.D

Acq: 22 Dec 2023 10:44

Instrument :

MSVOA_L

ClientSampleId :

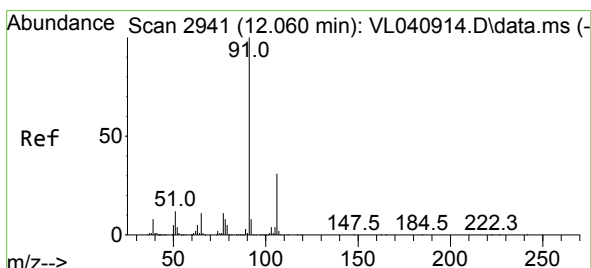
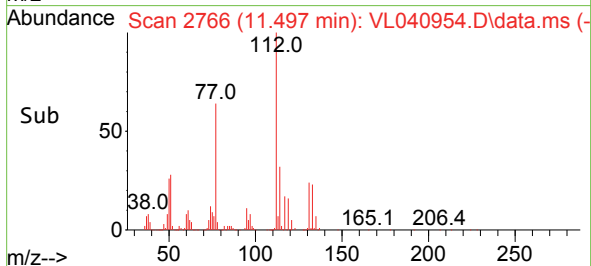
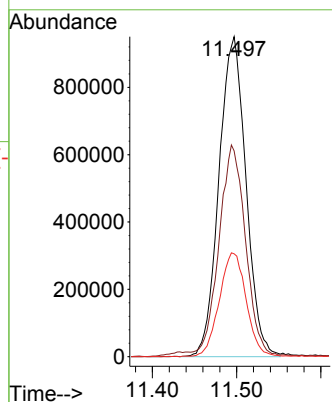
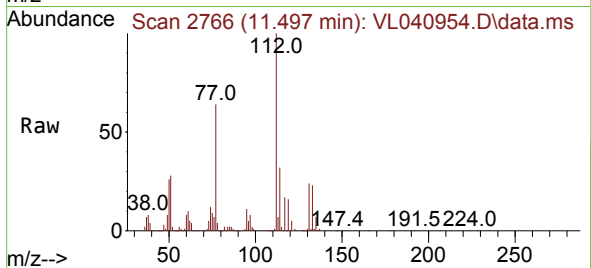
Tgt Ion:112 Resp: 2111490

Ion Ratio Lower Upper

112 100

77 63.8 52.7 79.1

114 32.2 28.4 34.7



#58

Ethyl Benzene

Concen: 8.082 ppbv

RT: 12.056 min Scan# 2940

Delta R.T. -0.000 min

Lab File: VL040954.D

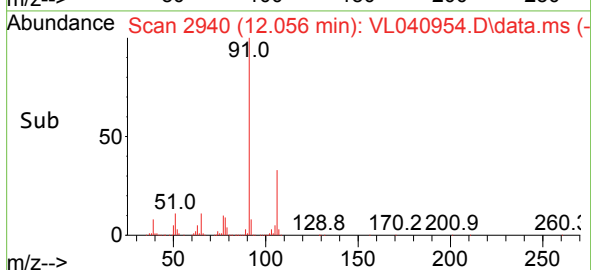
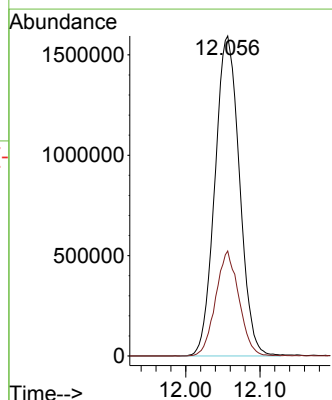
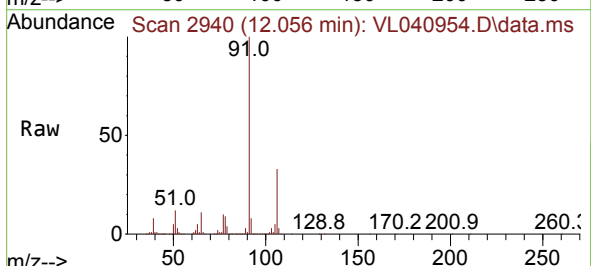
Acq: 22 Dec 2023 10:44

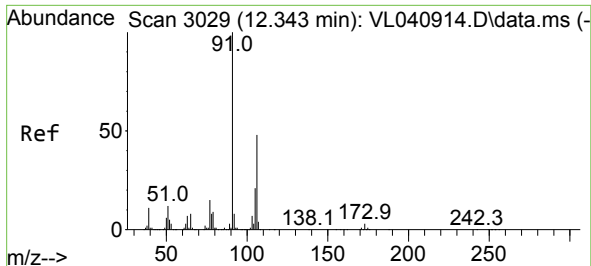
Tgt Ion: 91 Resp: 3664341

Ion Ratio Lower Upper

91 100

106 32.8 24.9 37.3





#59

m/p-Xylene

Concen: 7.426 ppbv

RT: 12.339 min Scan# 3028

Delta R.T. 0.003 min

Lab File: VL040954.D

Acq: 22 Dec 2023 10:44

Instrument :

MSVOA_L

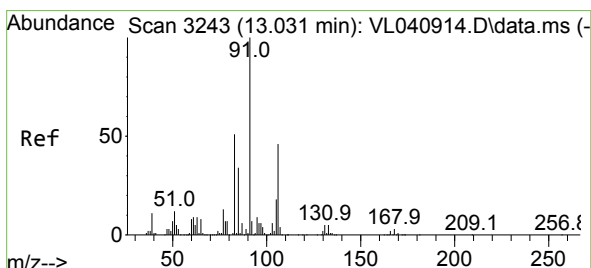
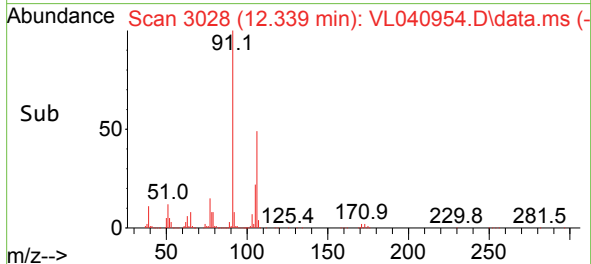
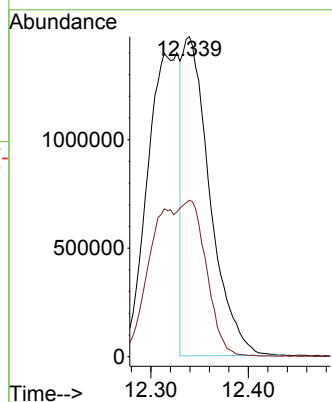
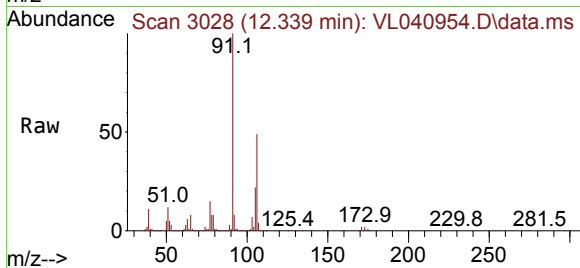
ClientSampleId :

Tgt Ion: 91 Resp: 2863632

Ion Ratio Lower Upper

91 100

106 98.0 0.0 0.0#



#60

o-Xylene

Concen: 7.965 ppbv

RT: 13.027 min Scan# 3242

Delta R.T. 0.003 min

Lab File: VL040954.D

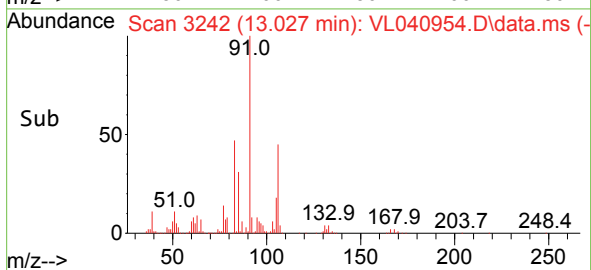
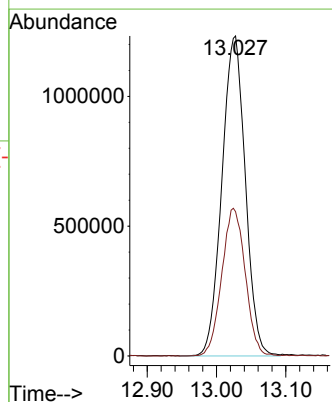
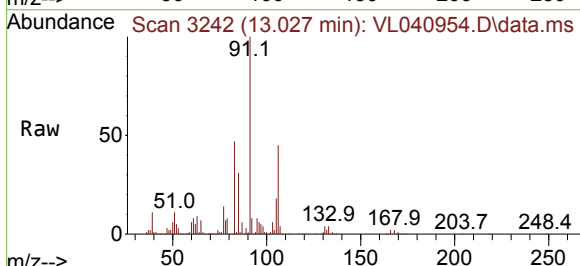
Acq: 22 Dec 2023 10:44

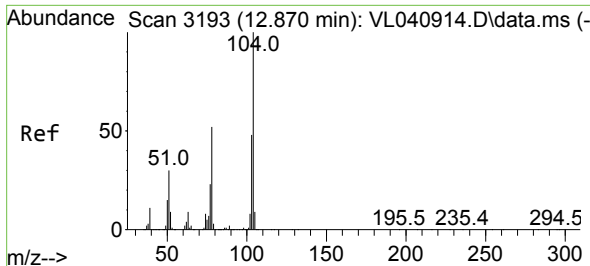
Tgt Ion: 91 Resp: 2894036

Ion Ratio Lower Upper

91 100

106 46.4 22.6 67.7

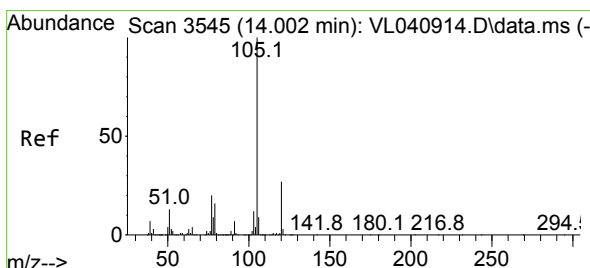
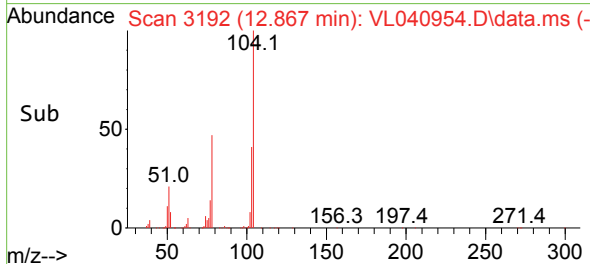
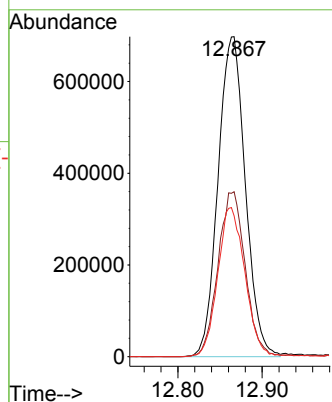
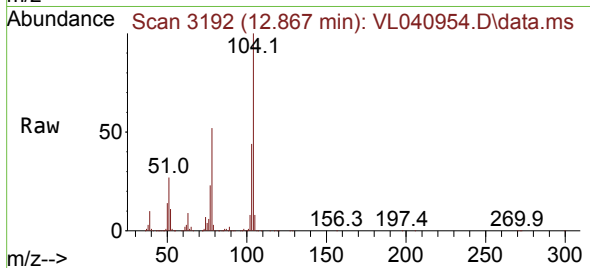




#61
Styrene
Concen: 9.080 ppbv
RT: 12.867 min Scan# 3192
Delta R.T. 0.003 min
Lab File: VL040954.D
Acq: 22 Dec 2023 10:44

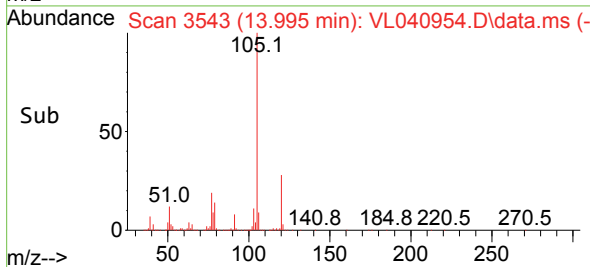
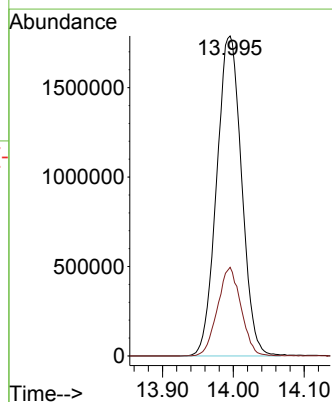
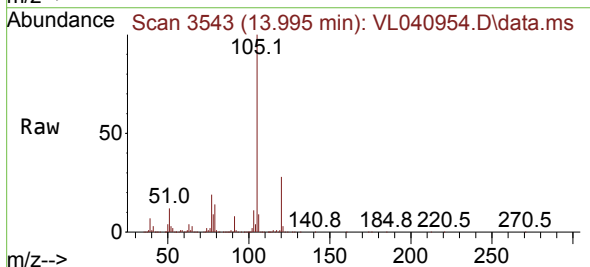
Instrument :
MSVOA_L
ClientSampleId :

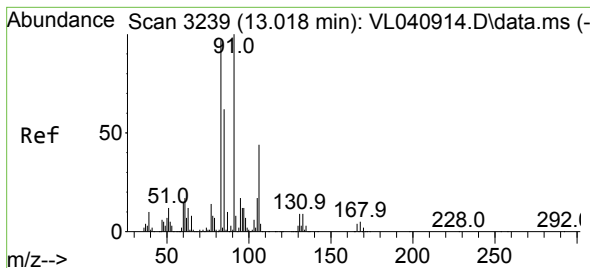
Tgt Ion:104 Resp: 1568399
Ion Ratio Lower Upper
104 100
78 51.8 43.0 64.4
103 46.9 37.6 56.4



#62
Isopropylbenzene
Concen: 8.110 ppbv
RT: 13.995 min Scan# 3543
Delta R.T. 0.003 min
Lab File: VL040954.D
Acq: 22 Dec 2023 10:44

Tgt Ion:105 Resp: 4369732
Ion Ratio Lower Upper
105 100
120 26.3 20.7 31.1

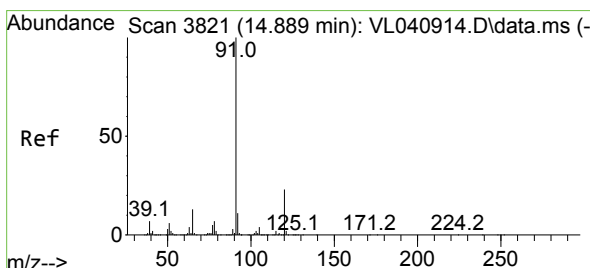
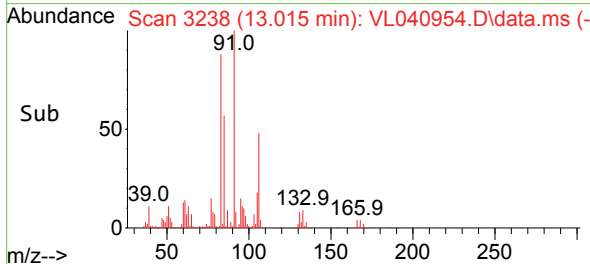
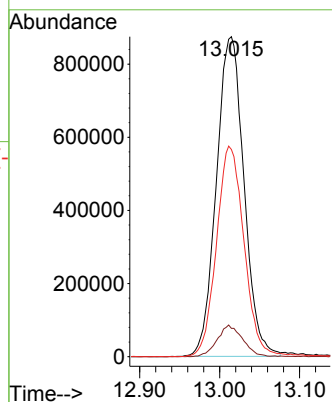
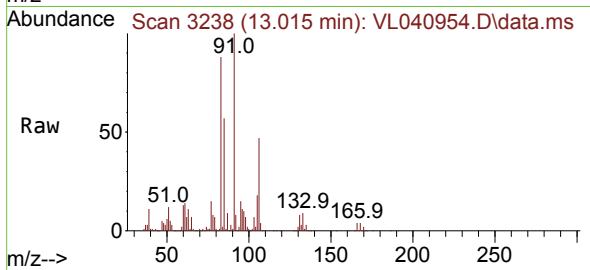




#63
1,1,2,2-Tetrachloroethane
Concen: 7.998 ppbv
RT: 13.015 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL040954.D
Acq: 22 Dec 2023 10:44

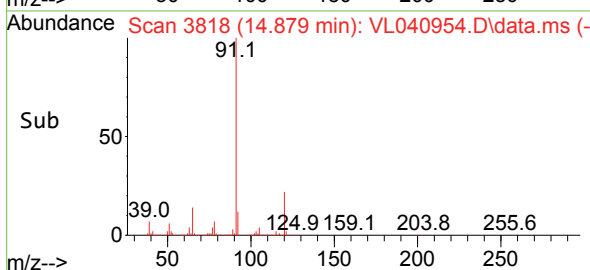
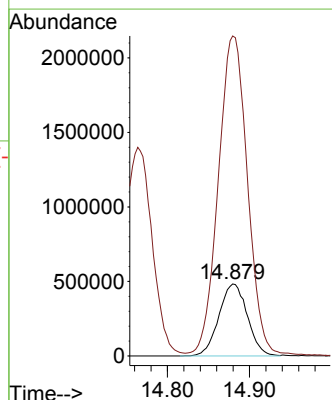
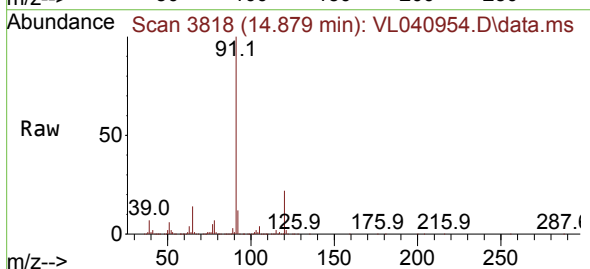
Instrument :
MSVOA_L
ClientSampleId :

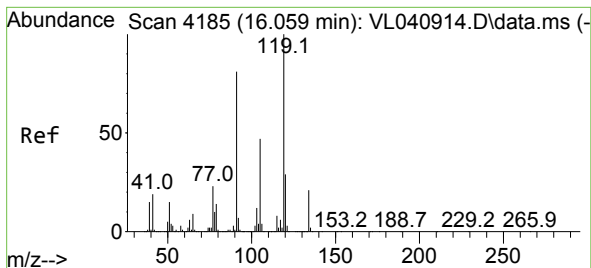
Tgt Ion: 83 Resp: 2093551
Ion Ratio Lower Upper
83 100
131 9.3 4.7 14.0
85 66.4 32.6 98.0



#64
n-propylbenzene
Concen: 8.624 ppbv
RT: 14.879 min Scan# 3818
Delta R.T. -0.000 min
Lab File: VL040954.D
Acq: 22 Dec 2023 10:44

Tgt Ion:120 Resp: 1165569
Ion Ratio Lower Upper
120 100
91 458.3 381.9 572.9





#65

tert-Butylbenzene

Concen: 8.343 ppbv

RT: 16.053 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL040954.D

Acq: 22 Dec 2023 10:44

Instrument :

MSVOA_L

ClientSampleId :

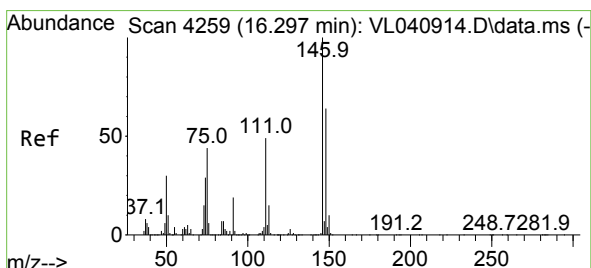
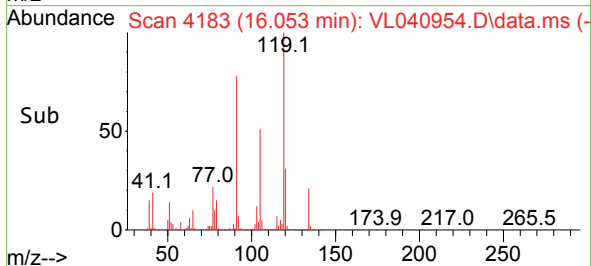
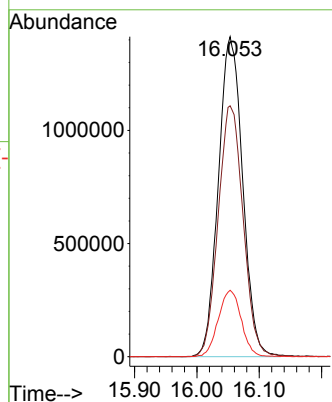
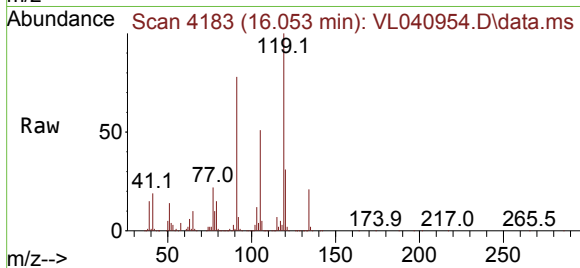
Tgt Ion:119 Resp: 3821330

Ion Ratio Lower Upper

119 100

91 80.5 67.2 100.8

134 19.7 15.8 23.6



#66

Benzyl Chloride

Concen: 9.851 ppbv

RT: 16.288 min Scan# 4256

Delta R.T. -0.000 min

Lab File: VL040954.D

Acq: 22 Dec 2023 10:44

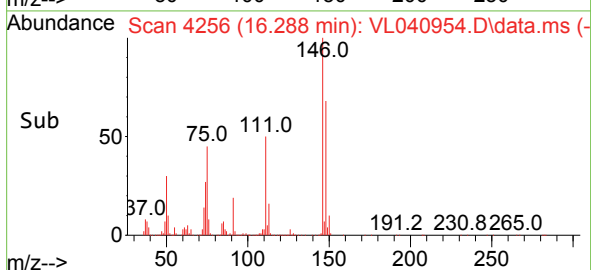
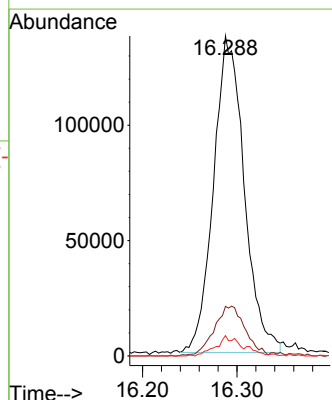
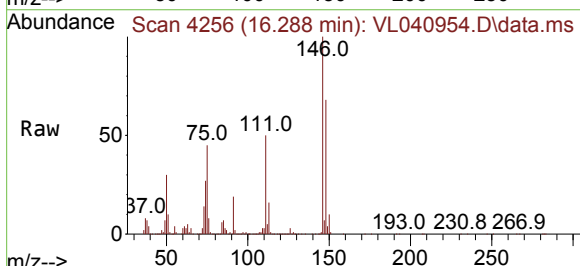
Tgt Ion: 91 Resp: 308741

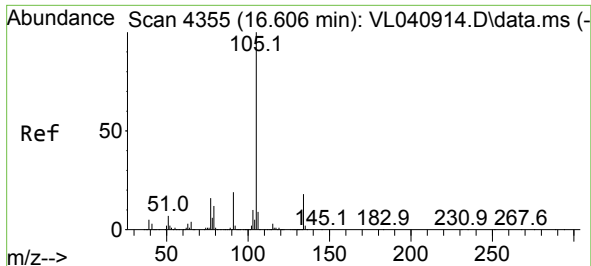
Ion Ratio Lower Upper

91 100

126 16.8 14.1 21.1

128 5.8 4.6 6.8

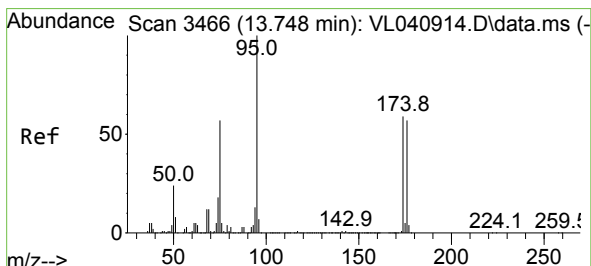
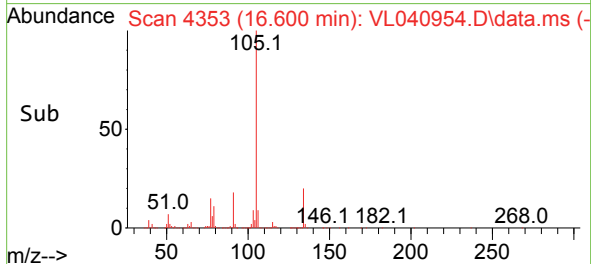
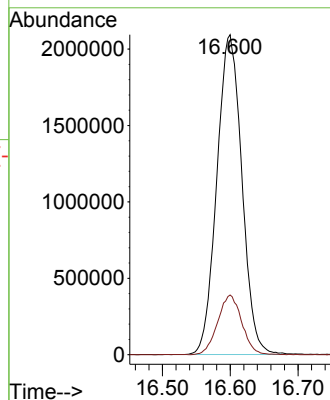
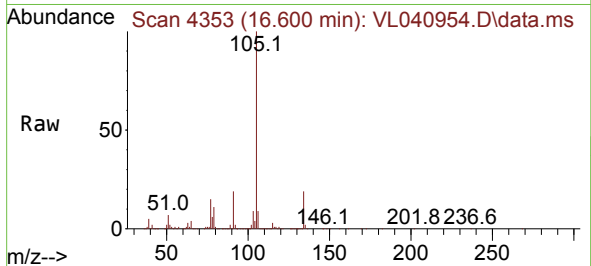




#67
 sec-Butylbenzene
 Concen: 8.063 ppbv
 RT: 16.600 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL040954.D
 Acq: 22 Dec 2023 10:44

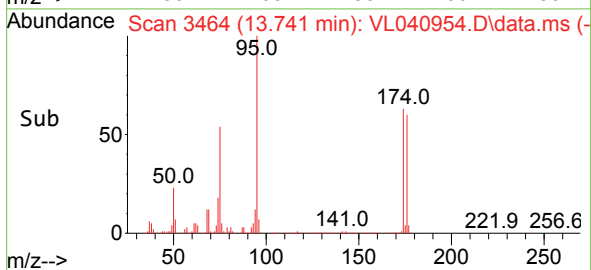
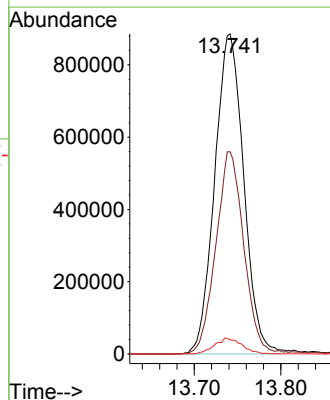
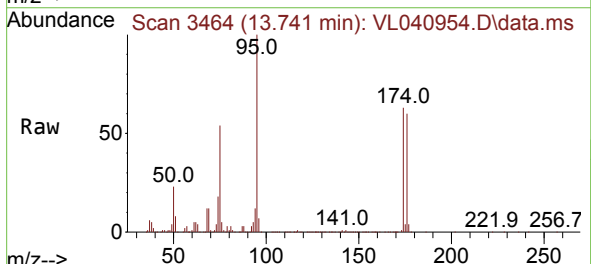
Instrument :
 MSVOA_L
 ClientSampleId :

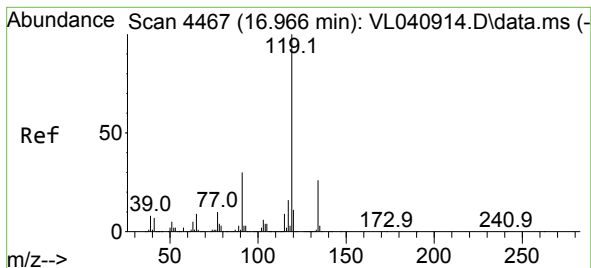
Tgt Ion:105 Resp: 5367178
 Ion Ratio Lower Upper
 105 100
 134 18.0 14.4 21.6



#68
 1-Bromo-4-Fluorobenzene
 Concen: 7.907 ppbv
 RT: 13.741 min Scan# 3464
 Delta R.T. 0.003 min
 Lab File: VL040954.D
 Acq: 22 Dec 2023 10:44

Tgt Ion: 95 Resp: 2055907
 Ion Ratio Lower Upper
 95 100
 174 61.8 48.0 72.0
 175 4.8 3.7 5.5





#69

p-Isopropyltoluene

Concen: 8.501 ppbv

RT: 16.960 min Scan# 4467

Delta R.T. -0.000 min

Lab File: VL040954.D

Acq: 22 Dec 2023 10:44

Instrument :

MSVOA_L

ClientSampleId :

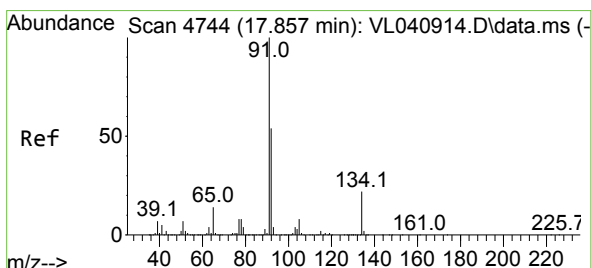
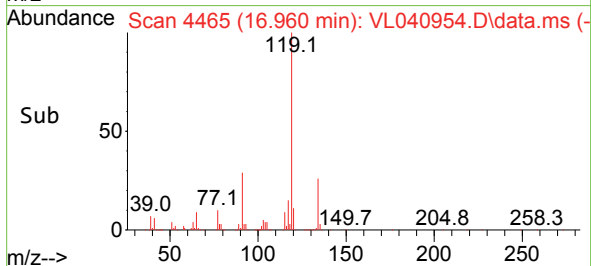
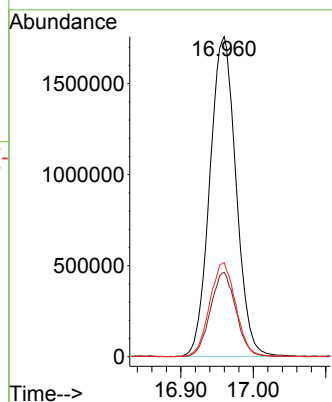
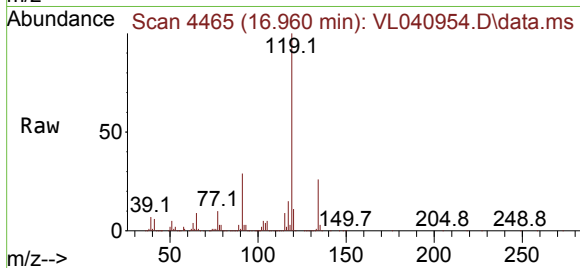
Tgt Ion:119 Resp: 4398054

Ion Ratio Lower Upper

119 100

134 25.9 20.3 30.5

91 29.3 24.1 36.1



#70

n-Butylbenzene

Concen: 8.353 ppbv

RT: 17.850 min Scan# 4742

Delta R.T. -0.000 min

Lab File: VL040954.D

Acq: 22 Dec 2023 10:44

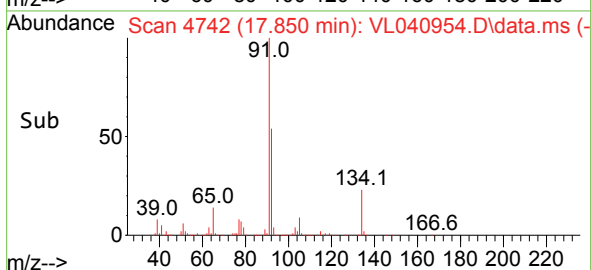
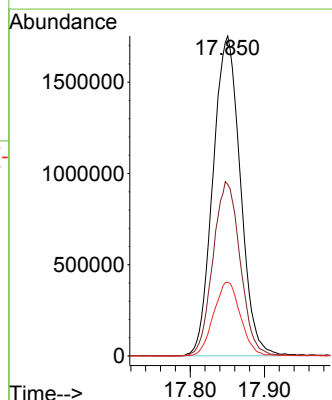
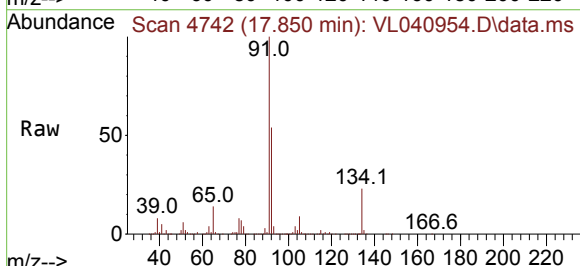
Tgt Ion: 91 Resp: 4486473

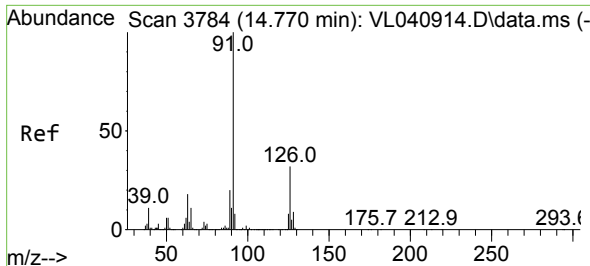
Ion Ratio Lower Upper

91 100

92 54.3 43.4 65.0

134 22.8 17.6 26.4

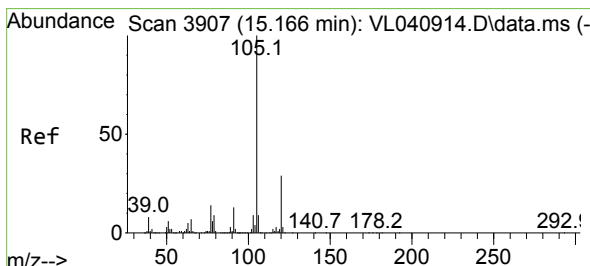
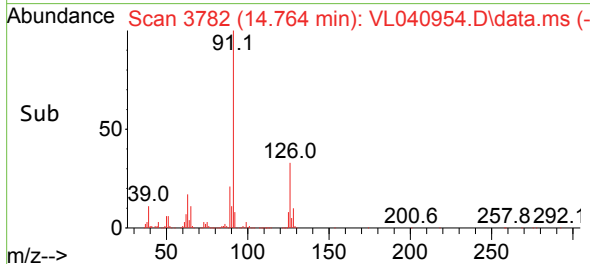
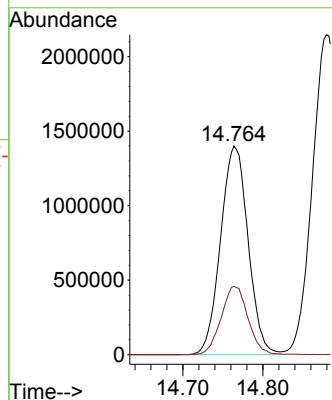
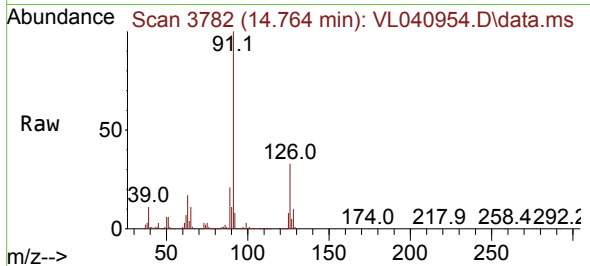




#71
2-Chlorotoluene
Concen: 8.066 ppbv
RT: 14.764 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL040954.D
Acq: 22 Dec 2023 10:44

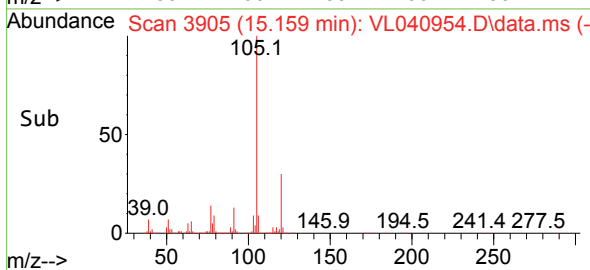
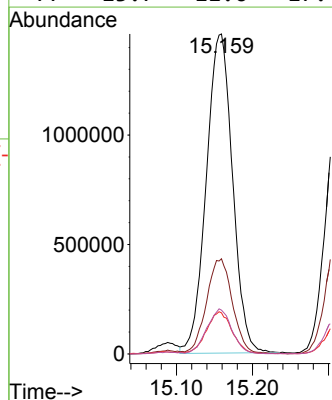
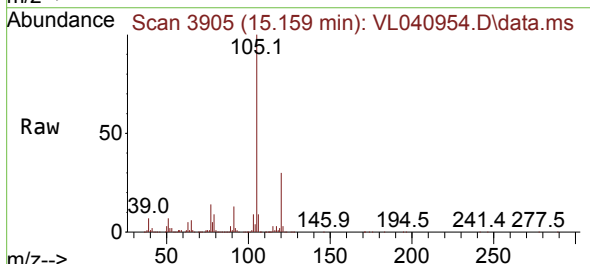
Instrument :
MSVOA_L
ClientSampleId :

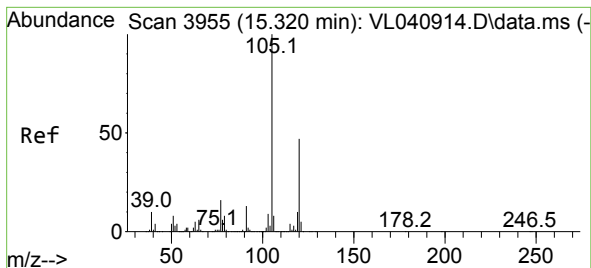
Tgt Ion: 91 Resp: 3347221
Ion Ratio Lower Upper
91 100
126 32.0 12.4 49.6



#72
4-Ethyltoluene
Concen: 8.759 ppbv
RT: 15.159 min Scan# 3905
Delta R.T. 0.003 min
Lab File: VL040954.D
Acq: 22 Dec 2023 10:44

Tgt Ion:105 Resp: 3492918
Ion Ratio Lower Upper
105 100
120 29.7 23.8 35.8
91 13.0 10.9 16.3
77 13.7 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 8.584 ppbv

RT: 15.314 min Scan# 3953

Delta R.T. -0.003 min

Lab File: VL040954.D

Acq: 22 Dec 2023 10:44

Instrument :

MSVOA_L

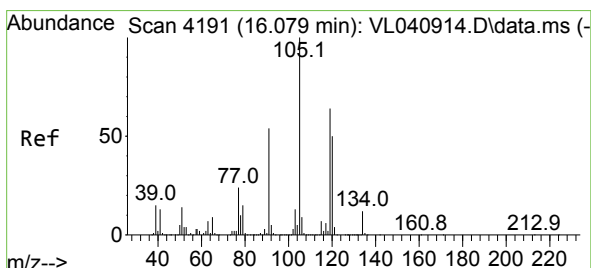
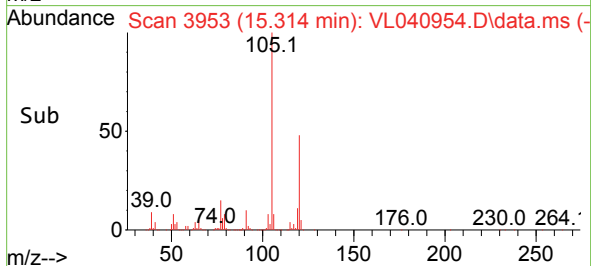
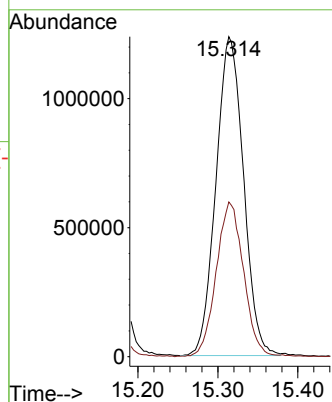
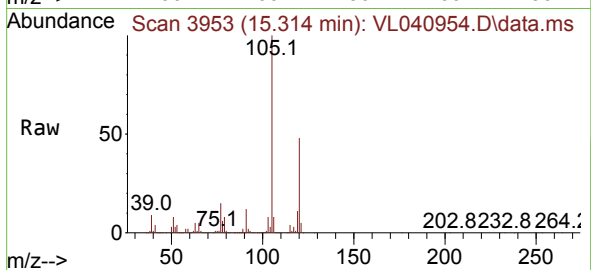
ClientSampleId :

Tgt Ion:105 Resp: 2954500

Ion Ratio Lower Upper

105 100

120 48.4 37.8 56.8



#74

1,2,4-Trimethylbenzene

Concen: 8.490 ppbv

RT: 16.072 min Scan# 4189

Delta R.T. -0.000 min

Lab File: VL040954.D

Acq: 22 Dec 2023 10:44

Tgt Ion:105 Resp: 3252003

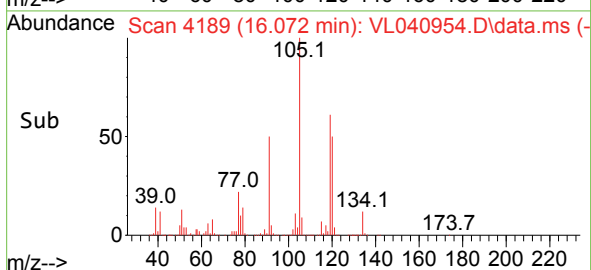
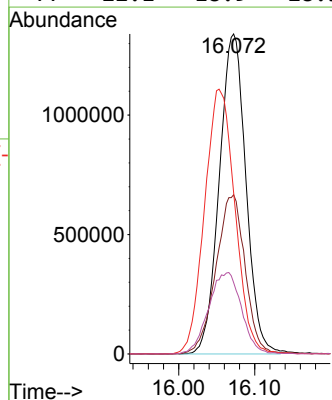
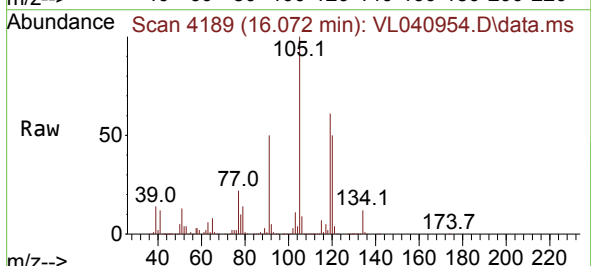
Ion Ratio Lower Upper

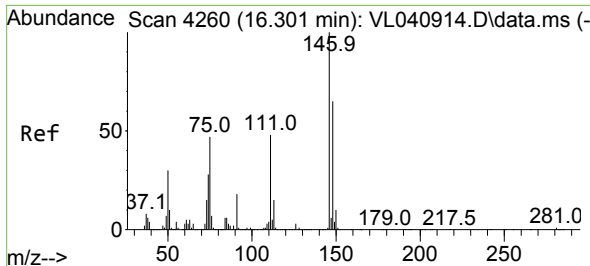
105 100

120 49.6 40.2 60.4

91 49.9 43.0 64.6

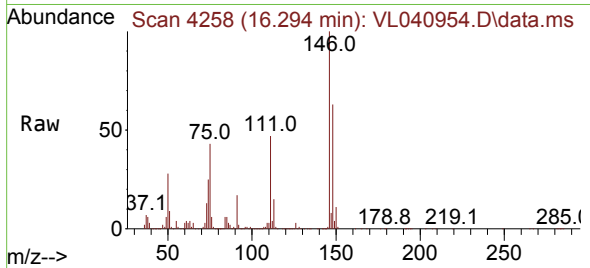
77 22.1 18.9 28.3



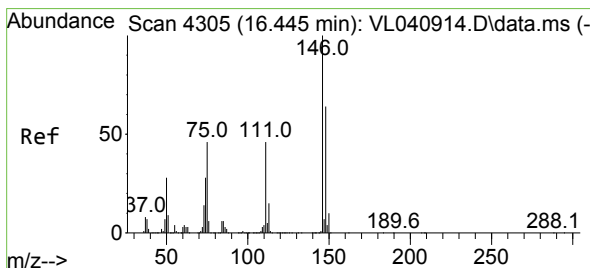
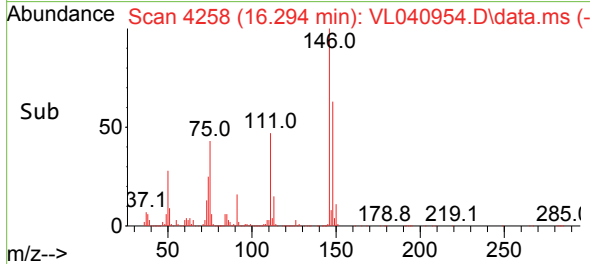
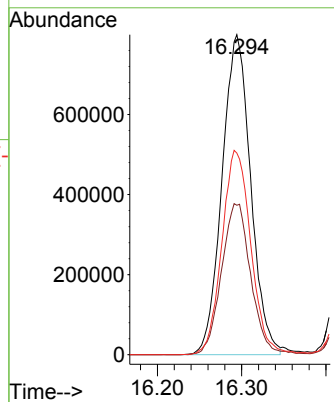


#75
1,3-Dichlorobenzene
Concen: 8.617 ppbv
RT: 16.294 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL040954.D
Acq: 22 Dec 2023 10:44

Instrument :
MSVOA_L
ClientSampleId :

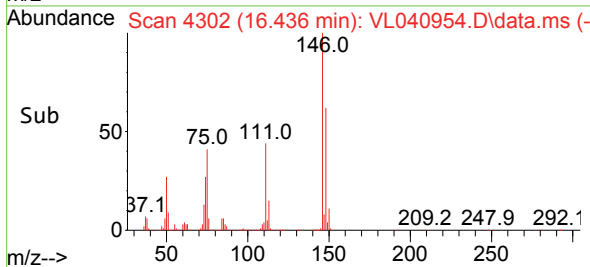
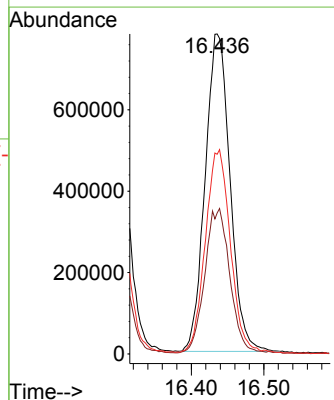
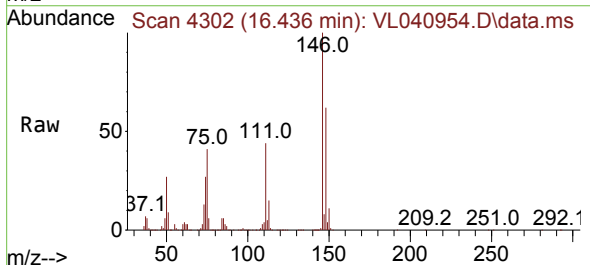


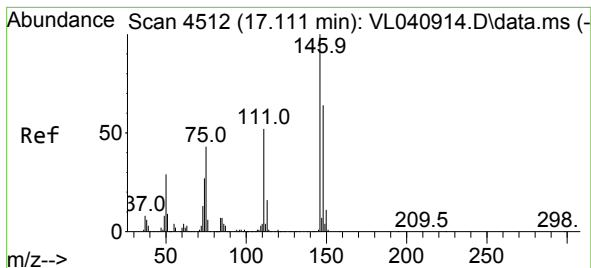
Tgt Ion:146 Resp: 1885541
Ion Ratio Lower Upper
146 100
111 48.3 24.7 74.1
148 64.8 32.1 96.5



#76
1,4-Dichlorobenzene
Concen: 8.684 ppbv
RT: 16.436 min Scan# 4302
Delta R.T. -0.000 min
Lab File: VL040954.D
Acq: 22 Dec 2023 10:44

Tgt Ion:146 Resp: 1858727
Ion Ratio Lower Upper
146 100
111 46.9 24.1 72.4
148 65.7 33.2 99.6





#77

1,2-Dichlorobenzene

Concen: 8.603 ppbv

RT: 17.104 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL040954.D

Acq: 22 Dec 2023 10:44

Instrument :

MSVOA_L

ClientSampleId :

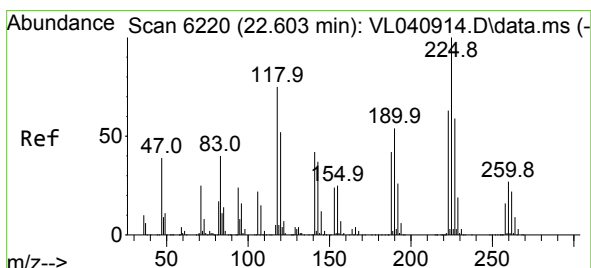
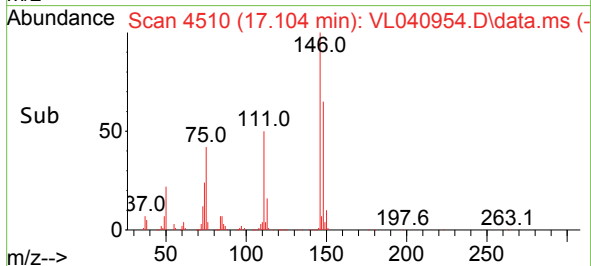
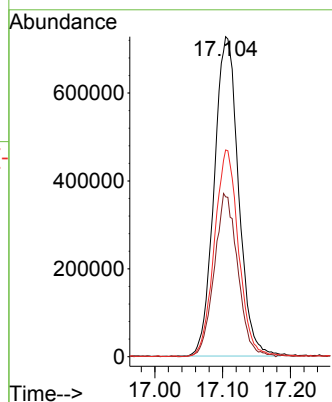
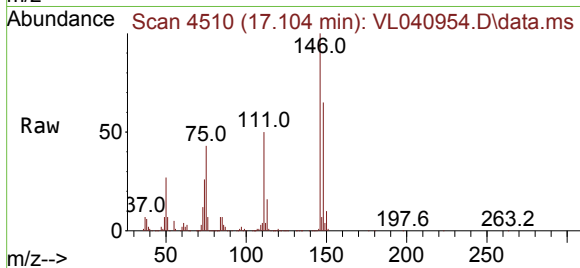
Tgt Ion:146 Resp: 1813572

Ion Ratio Lower Upper

146 100

111 49.6 25.5 76.5

148 64.2 32.2 96.6



#78

Hexachloro-1,3-Butadiene

Concen: 7.605 ppbv

RT: 22.590 min Scan# 6216

Delta R.T. -0.000 min

Lab File: VL040954.D

Acq: 22 Dec 2023 10:44

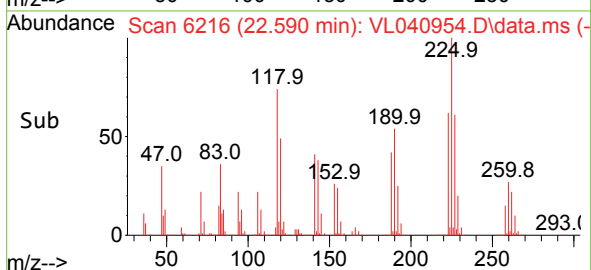
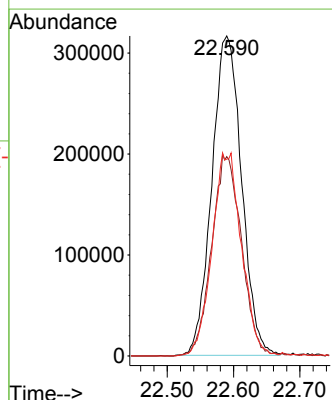
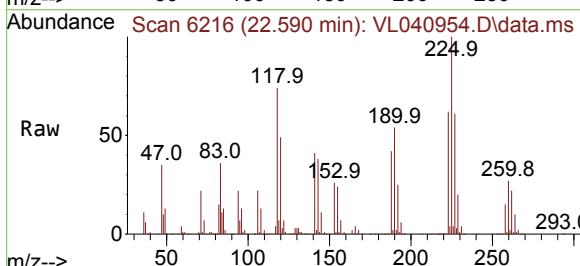
Tgt Ion:225 Resp: 985984

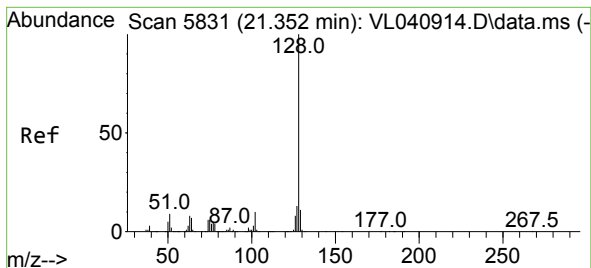
Ion Ratio Lower Upper

225 100

223 63.6 51.5 77.3

227 63.4 51.7 77.5





#79

Naphthalene

Concen: 11.519 ppbv

RT: 21.345 min Scan# 5829

Delta R.T. 0.006 min

Lab File: VL040954.D

Acq: 22 Dec 2023 10:44

Instrument :

MSVOA_L

ClientSampleId :

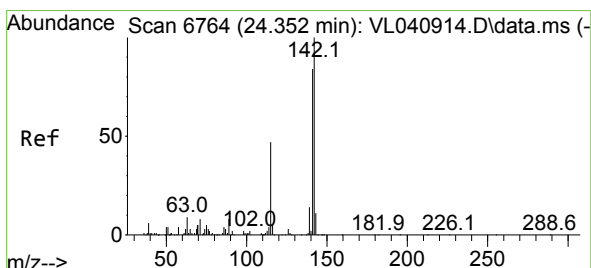
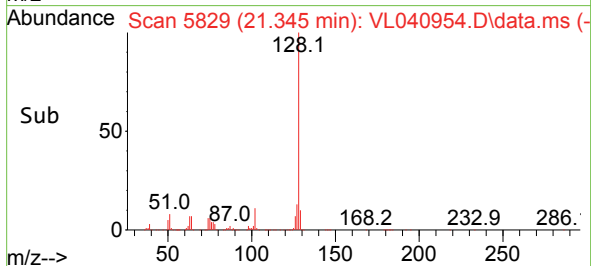
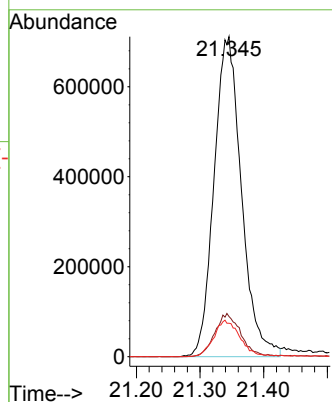
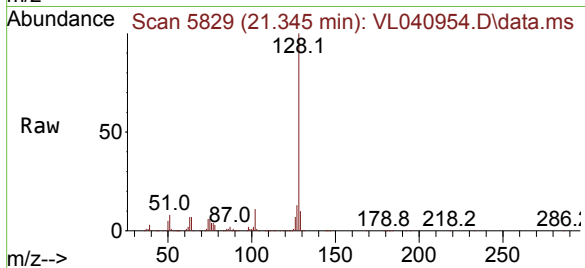
Tgt Ion:128 Resp: 2126045

Ion Ratio Lower Upper

128 100

127 12.5 10.6 15.8

129 10.5 8.7 13.1



#80

Naphthalene,2-methyl-

Concen: 9.998 ppbv

RT: 24.345 min Scan# 6762

Delta R.T. -0.000 min

Lab File: VL040954.D

Acq: 22 Dec 2023 10:44

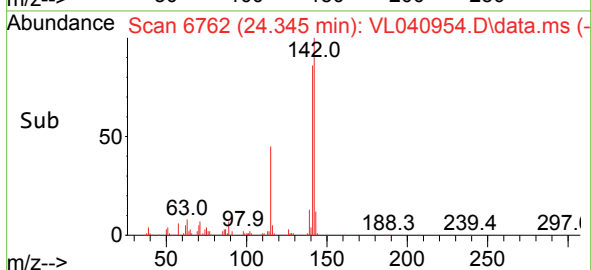
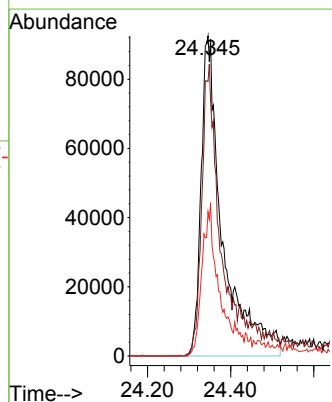
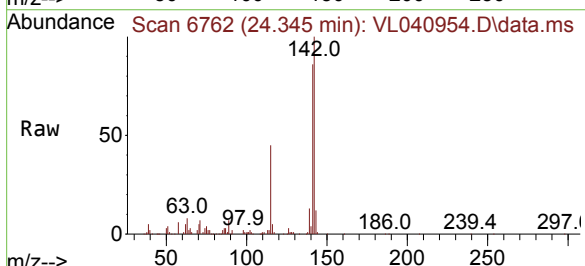
Tgt Ion:142 Resp: 337299

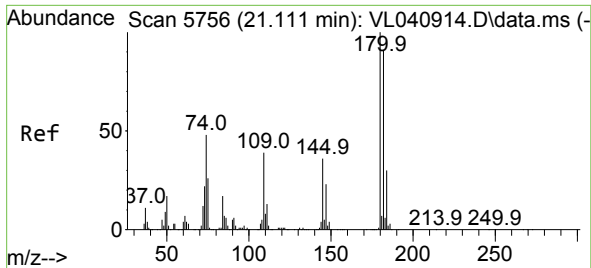
Ion Ratio Lower Upper

142 100

141 84.8 68.5 102.7

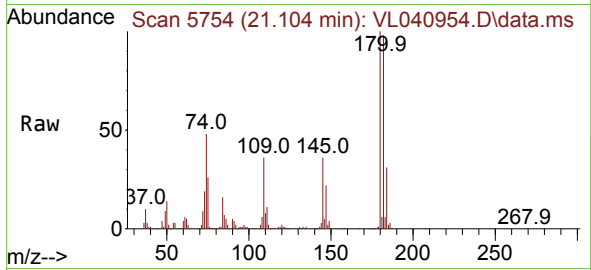
115 39.7 34.5 51.7





#81
 1,2,4-Trichlorobenzene
 Concen: 5.001 ppbv
 RT: 21.104 min Scan# 51
 Delta R.T. 0.003 min
 Lab File: VL040954.D
 Acq: 22 Dec 2023 10:44

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion:180 Resp: 529969
 Ion Ratio Lower Upper
 180 100
 182 196.9 79.4 119.0#
 184 0.0 24.5 36.7#

