

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122223\
 Data File : VL040952.D
 Acq On : 22 Dec 2023 9:26
 Operator : SY/MD
 Sample : VSTDC0010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDC0010

Quant Time: Dec 23 01:18:20 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	1159329	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	3015591	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.436	117	2954481	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.738	95	2064253	9.485	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.771	85	2153358	9.751	ppbv	100
3) Chlorodifluoromethane	2.716	51	1721146	9.865	ppbv	99
4) Chloromethane	2.854	50	639038	9.934	ppbv	95
5) Vinyl Chloride	2.957	62	674081	10.856	ppbv	98
6) Bromomethane	3.153	94	279435	10.144	ppbv	98
7) Chloroethane	3.227	64	225583	10.190	ppbv	97
8) Dichlorotetrafluoroethane	2.896	85	1632126	10.258	ppbv	100
9) Propene	2.735	41	604340	10.499	ppbv	99
10) Heptane	7.565	43	1501032	10.490	ppbv	99
11) Trichlorofluoromethane	3.587	101	1764630	10.221	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.083	101	1272001	9.488	ppbv	97
13) Ethanol	3.269	45	136811	9.421	ppbv	96
14) Bromoethene	3.394	108	522098	10.625	ppbv	98
15) Acetone	3.494	43	1223874	8.802	ppbv	100
16) 1,3-Butadiene	3.022	39	647583	10.817	ppbv	97
17) tert-Butyl alcohol	3.899	59	1038074	10.092	ppbv	99
18) 1,1-Dichloroethene	3.899	96	559599	10.110	ppbv	96
19) Isopropyl Alcohol	3.600	45	772209	10.643	ppbv #	98
20) Methylene Chloride	3.951	84	465583	9.394	ppbv	98
21) Allyl Chloride	4.015	41	864478	10.518	ppbv	100
22) trans-1,2-Dichloroethene	4.456	96	635980	10.076	ppbv	98
23) Vinyl Acetate	4.636	43	1792224	11.684	ppbv	99
24) 1,1-Dichloroethane	4.575	63	1428646	10.412	ppbv	99
25) Ethyl Acetate	5.205	43	2545876	10.567	ppbv	100
26) Hexane	5.214	57	1105742	10.356	ppbv	99
27) Carbon Disulfide	4.140	76	1403340	9.711	ppbv	98
28) Methyl tert-Butyl Ether	4.597	73	1056550	10.663	ppbv	100
29) Chloroform	5.275	83	1775556	9.854	ppbv	99
30) Cyclohexane	6.594	84	954242	10.720	ppbv	98
31) cis-1,2-Dichloroethene	5.083	61	1142784	10.419	ppbv	99
32) 1,1,1-Trichloroethane	5.999	97	1784026	10.241	ppbv	100
34) 2-Butanone	4.793	43	1601442	10.039	ppbv	99
35) Carbon Tetrachloride	6.484	117	1898158	10.051	ppbv	98
36) Benzene	6.362	78	2370898	10.057	ppbv	98
37) 1,2-Dichloroethane	5.803	62	1372011	9.713	ppbv	99
38) Trichloroethene	7.279	130	919893	10.390	ppbv	97
39) 1,2-Dichloropropane	7.060	63	919205	9.923	ppbv	99
40) 1,4-Dioxane	7.266	88	371438	9.496	ppbv	99
41) Tetrahydrofuran	5.552	42	995569	10.258	ppbv	99
42) Bromodichloromethane	7.234	83	1991007	9.773	ppbv	99
43) Methyl Methacrylate	7.455	69	971578	10.507	ppbv	99
44) 2,2,4-Trimethylpentane	7.311	57	3873085	9.672	ppbv	99
45) t-1,3-Dichloropropene	8.687	75	775927	11.310	ppbv	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122223\
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 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

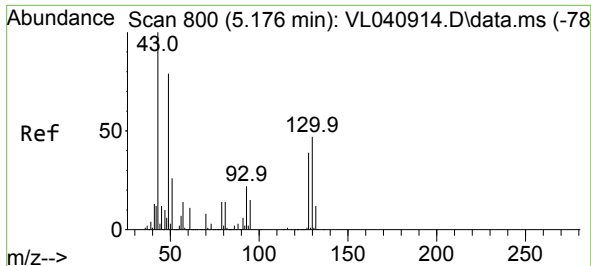
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Dec 22 23:57:16 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.124	75	923878	10.877	ppbv	99
47) 1,1,2-Trichloroethane	8.877	97	991302	10.088	ppbv	98
48) Dibromochloromethane	9.687	129	1752015	10.445	ppbv	99
49) Bromoform	12.375	173	1388490	10.728	ppbv	99
50) 4-Methyl-2-Pentanone	8.160	43	2468456	10.217	ppbv	99
51) 2-Hexanone	9.523	43	1814674	10.435	ppbv #	100
52) Tetrachloroethene	10.587	164	848205	10.681	ppbv	98
53) Toluene	9.195	91	2714341	10.384	ppbv	99
54) 1,2-Dibromoethane	9.983	107	1463567	10.853	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.475	131	1255486	9.718	ppbv	99
57) Chlorobenzene	11.497	112	2140038	9.836	ppbv	99
58) Ethyl Benzene	12.057	91	3667318	9.664	ppbv	100
59) m/p-Xylene	12.336	91	3180760	9.854	ppbv #	100
60) o-Xylene	13.024	91	2905087	9.552	ppbv	98
61) Styrene	12.864	104	1593905	11.025	ppbv	98
62) Isopropylbenzene	13.992	105	4388125	9.730	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.015	83	2126095	9.704	ppbv	100
64) n-propylbenzene	14.880	120	1172444	10.364	ppbv	92
65) tert-Butylbenzene	16.053	119	3845357	10.030	ppbv	97
66) Benzyl Chloride	16.288	91	158166	6.029	ppbv #	66
67) sec-Butylbenzene	16.600	105	5407463	9.706	ppbv	99
69) p-Isopropyltoluene	16.960	119	4428181	10.226	ppbv	99
70) n-Butylbenzene	17.851	91	4533101	10.083	ppbv	100
71) 2-Chlorotoluene	14.764	91	3336157	9.605	ppbv	98
72) 4-Ethyltoluene	15.156	105	3501049	10.489	ppbv	99
73) 1,3,5-Trimethylbenzene	15.317	105	2961627	10.280	ppbv	99
74) 1,2,4-Trimethylbenzene	16.072	105	3242783	10.114	ppbv	95
75) 1,3-Dichlorobenzene	16.294	146	1892432	10.333	ppbv	99
76) 1,4-Dichlorobenzene	16.436	146	1862702	10.397	ppbv	99
77) 1,2-Dichlorobenzene	17.108	146	1838260	10.419	ppbv	98
78) Hexachloro-1,3-Butadiene	22.590	225	981296	9.043	ppbv	100
79) Naphthalene	21.339	128	2152787	13.935	ppbv	99
80) Naphthalene,2-methyl-	24.345	142	320199	11.340	ppbv	93
81) 1,2,4-Trichlorobenzene	21.101	180	1052007	11.861	ppbv	100

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M
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QLast Update : Fri Dec 22 23:57:16 2023
Response via : Initial Calibration

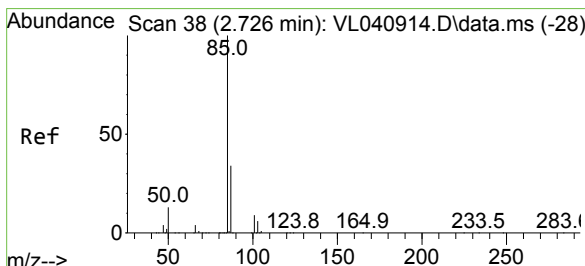
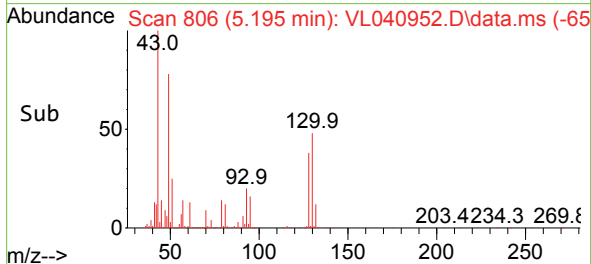
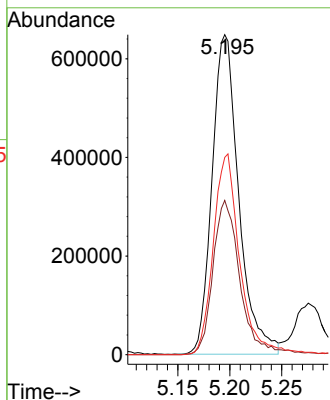
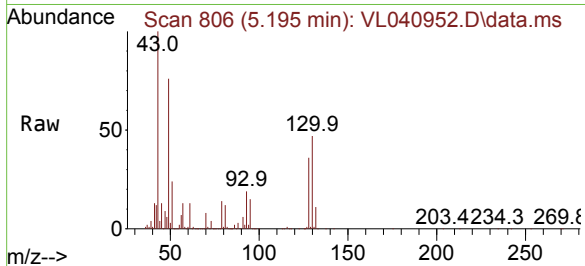




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.195 min Scan# 80
Delta R.T. 0.000 min
Lab File: VL040952.D
Acq: 22 Dec 2023 9:26

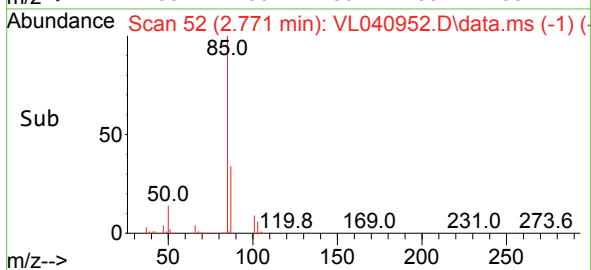
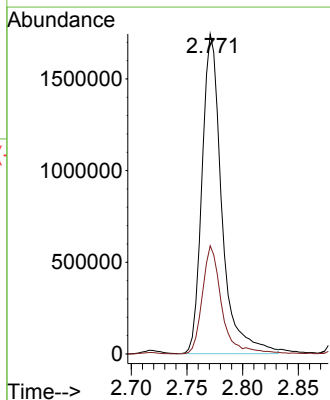
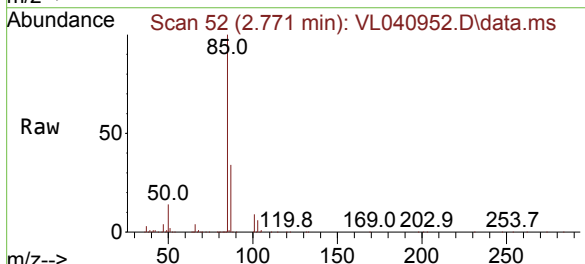
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

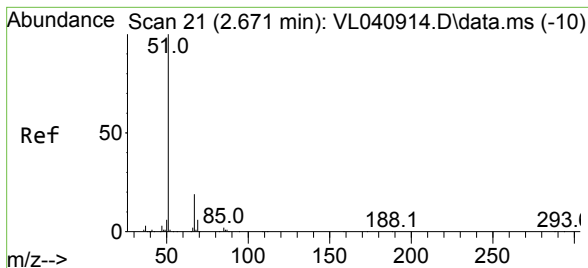
Tgt Ion: 49 Resp: 1159329
Ion Ratio Lower Upper
49 100
128 50.0 23.8 71.2
130 63.4 30.1 90.5



#2
Dichlorodifluoromethane
Concen: 9.751 ppbv
RT: 2.771 min Scan# 52
Delta R.T. 0.000 min
Lab File: VL040952.D
Acq: 22 Dec 2023 9:26

Tgt Ion: 85 Resp: 2153358
Ion Ratio Lower Upper
85 100
87 33.8 27.0 40.6

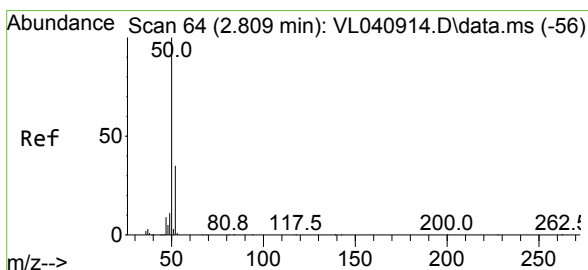
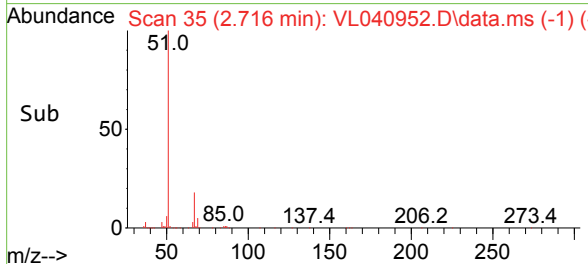
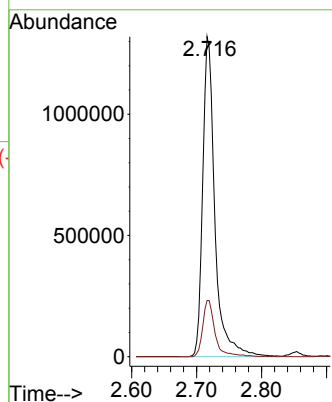
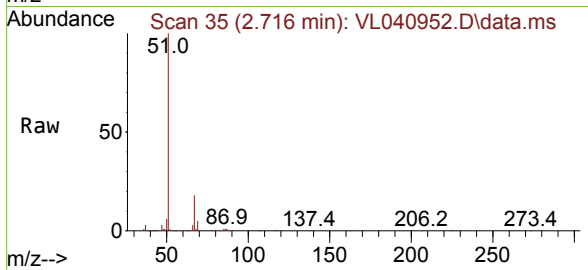




#3
Chlorodifluoromethane
Concen: 9.865 ppbv
RT: 2.716 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL040952.D
Acq: 22 Dec 2023 9:26

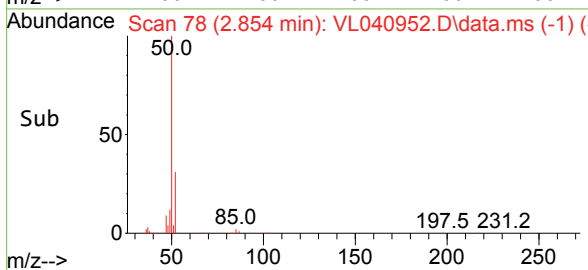
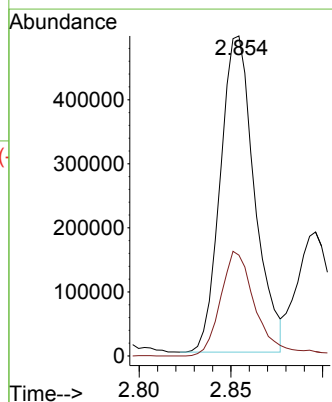
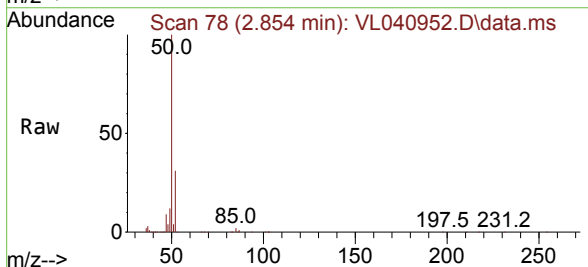
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ClientSampleId :
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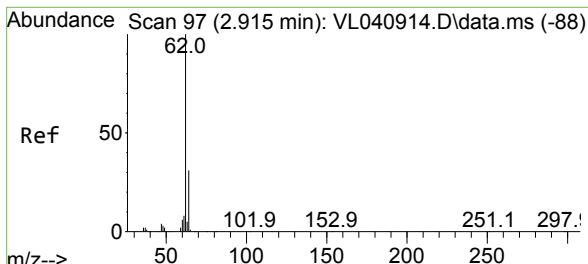
Tgt Ion: 51 Resp: 1721146
Ion Ratio Lower Upper
51 100
67 17.9 14.7 22.1



#4
Chloromethane
Concen: 9.934 ppbv
RT: 2.854 min Scan# 78
Delta R.T. 0.000 min
Lab File: VL040952.D
Acq: 22 Dec 2023 9:26

Tgt Ion: 50 Resp: 639038
Ion Ratio Lower Upper
50 100
52 31.9 28.0 42.0

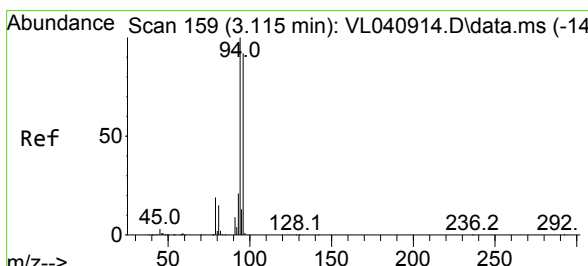
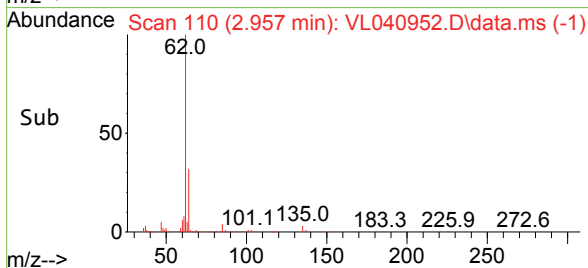
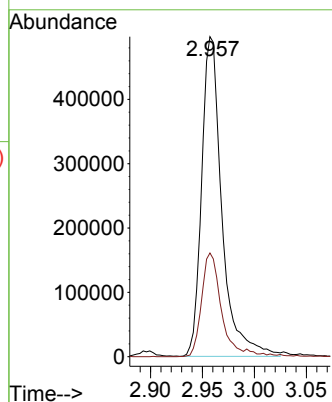
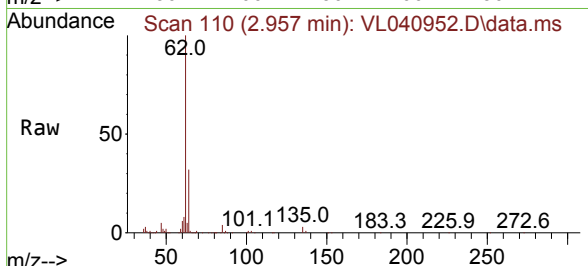




#5
 Vinyl Chloride
 Concen: 10.856 ppbv
 RT: 2.957 min Scan# 110
 Delta R.T. 0.000 min
 Lab File: VL040952.D
 Acq: 22 Dec 2023 9:26

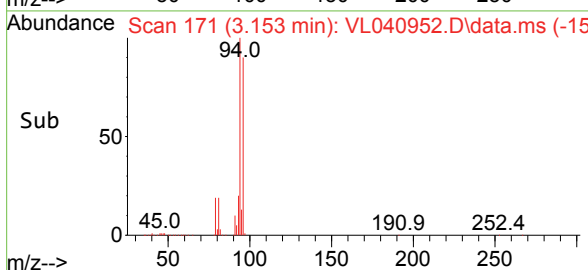
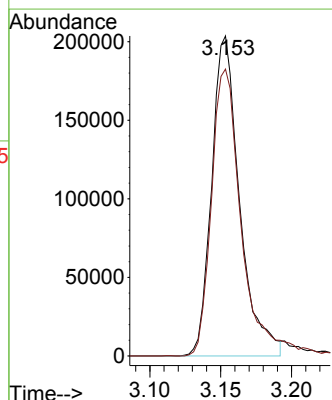
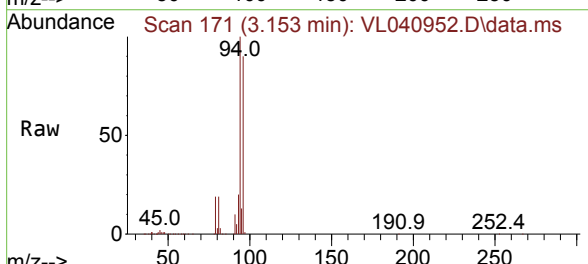
Instrument :
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 ClientSampleId :
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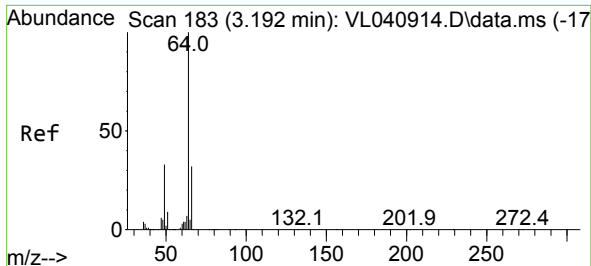
Tgt Ion: 62 Resp: 674081
 Ion Ratio Lower Upper
 62 100
 64 32.4 24.9 37.3



#6
 Bromomethane
 Concen: 10.144 ppbv
 RT: 3.153 min Scan# 171
 Delta R.T. 0.000 min
 Lab File: VL040952.D
 Acq: 22 Dec 2023 9:26

Tgt Ion: 94 Resp: 279435
 Ion Ratio Lower Upper
 94 100
 96 89.7 73.2 109.8

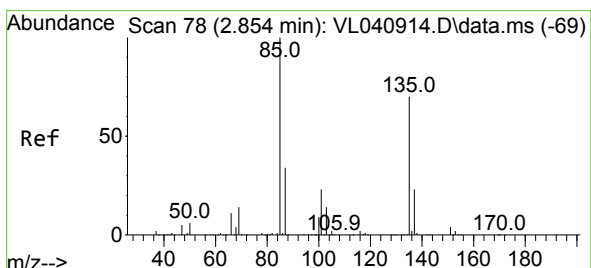
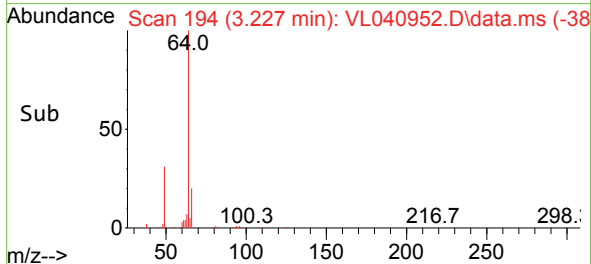
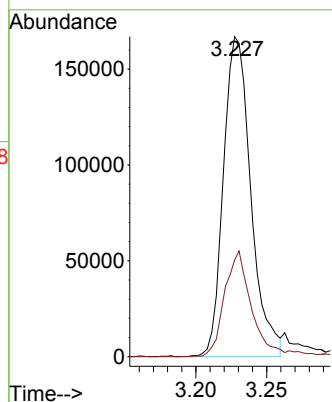
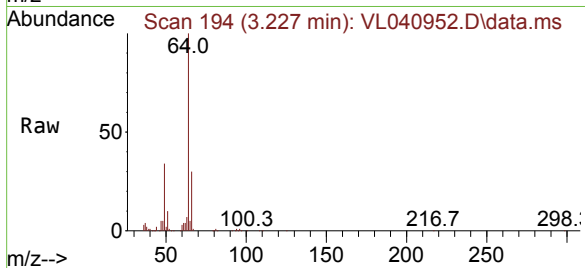




#7
Chloroethane
Concen: 10.190 ppbv
RT: 3.227 min Scan# 194
Delta R.T. 0.000 min
Lab File: VL040952.D
Acq: 22 Dec 2023 9:26

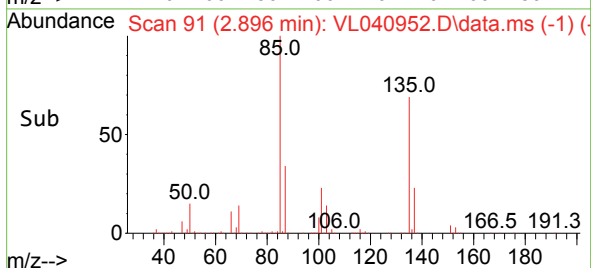
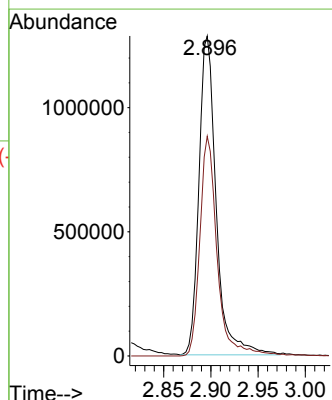
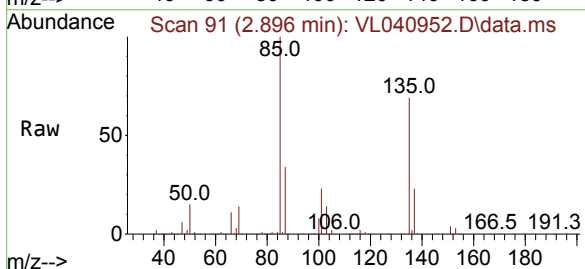
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ClientSampleId :
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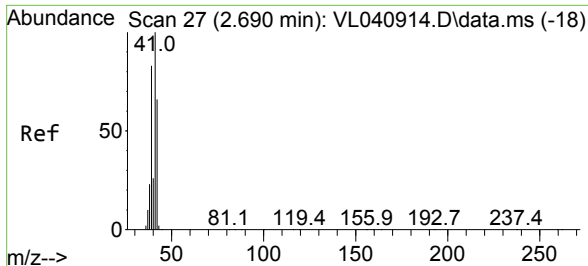
Tgt Ion: 64 Resp: 225583
Ion Ratio Lower Upper
64 100
66 30.2 25.7 38.5



#8
Dichlorotetrafluoroethane
Concen: 10.258 ppbv
RT: 2.896 min Scan# 91
Delta R.T. 0.000 min
Lab File: VL040952.D
Acq: 22 Dec 2023 9:26

Tgt Ion: 85 Resp: 1632126
Ion Ratio Lower Upper
85 100
135 69.5 55.8 83.8

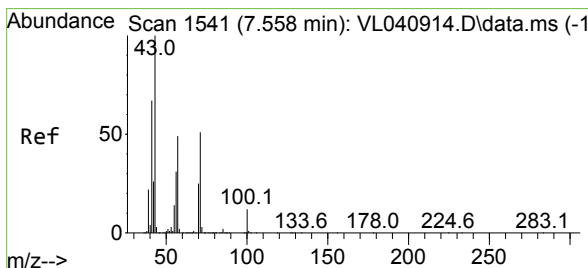
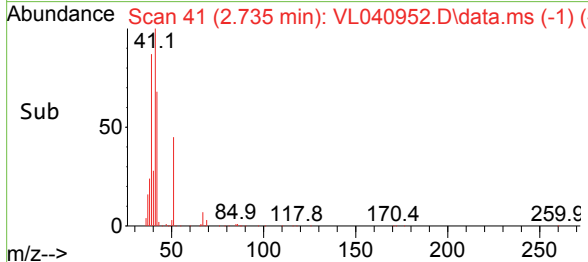
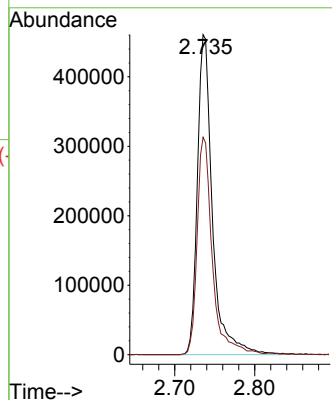
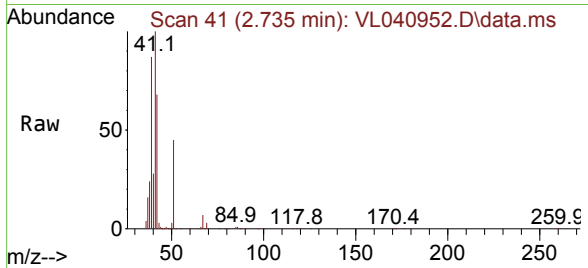




#9
 Propene
 Concen: 10.499 ppbv
 RT: 2.735 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL040952.D
 Acq: 22 Dec 2023 9:26

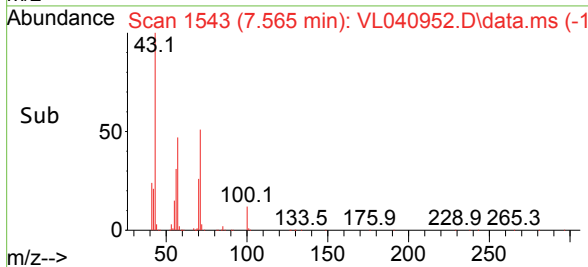
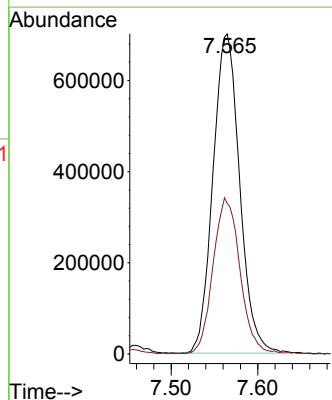
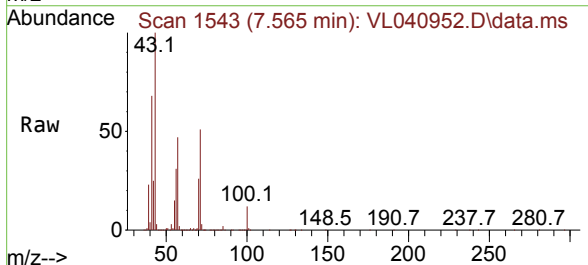
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

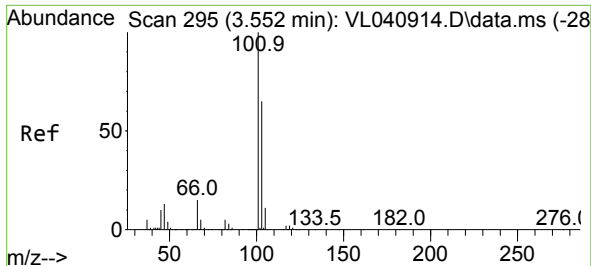
Tgt Ion: 41 Resp: 604340
 Ion Ratio Lower Upper
 41 100
 42 69.0 55.8 83.6



#10
 Heptane
 Concen: 10.490 ppbv
 RT: 7.565 min Scan# 1543
 Delta R.T. 0.000 min
 Lab File: VL040952.D
 Acq: 22 Dec 2023 9:26

Tgt Ion: 43 Resp: 1501032
 Ion Ratio Lower Upper
 43 100
 57 49.5 39.3 58.9

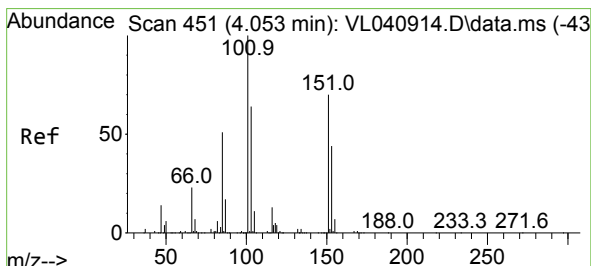
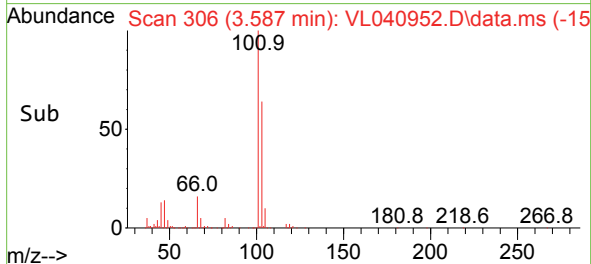
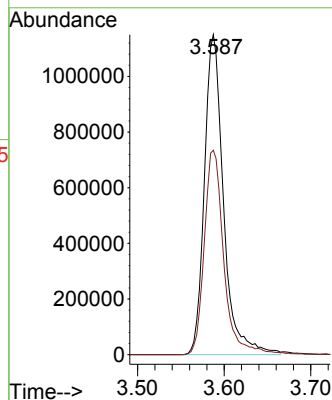
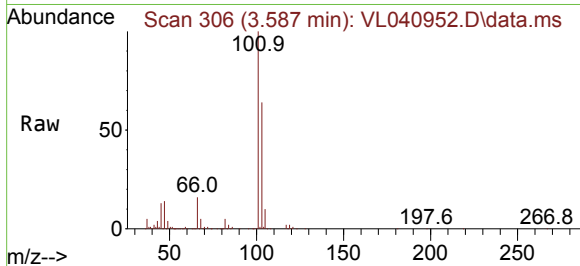




#11
 Trichlorofluoromethane
 Concen: 10.221 ppbv
 RT: 3.587 min Scan# 306
 Delta R.T. 0.000 min
 Lab File: VL040952.D
 Acq: 22 Dec 2023 9:26

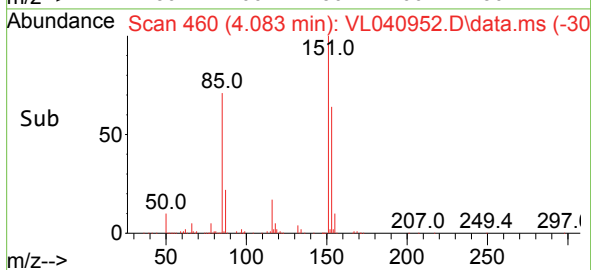
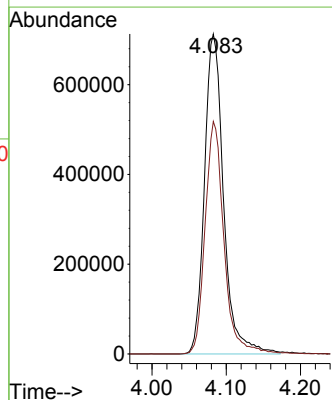
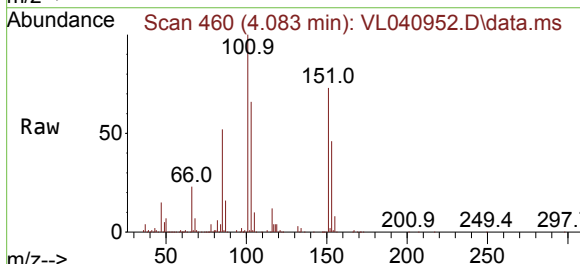
Instrument :
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 ClientSampleId :
 VSTDCCC010

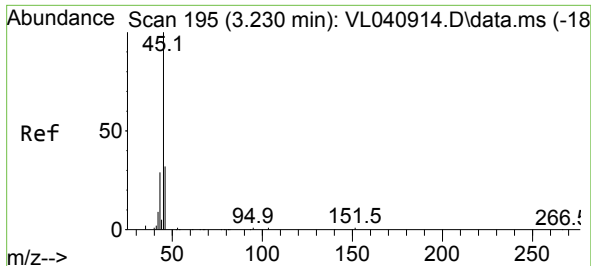
Tgt Ion:101 Resp: 1764630
 Ion Ratio Lower Upper
 101 100
 103 63.9 51.9 77.9



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.488 ppbv
 RT: 4.083 min Scan# 460
 Delta R.T. 0.000 min
 Lab File: VL040952.D
 Acq: 22 Dec 2023 9:26

Tgt Ion:101 Resp: 1272001
 Ion Ratio Lower Upper
 101 100
 151 72.0 55.8 83.8

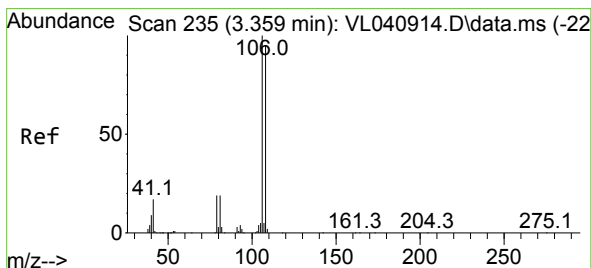
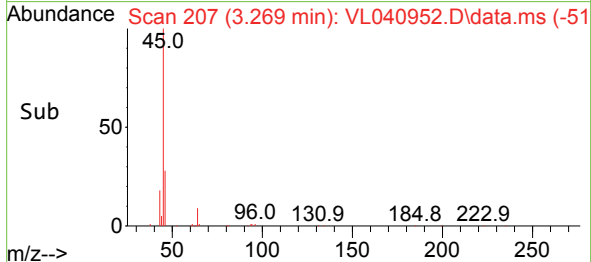
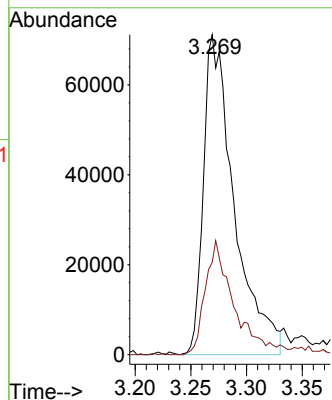
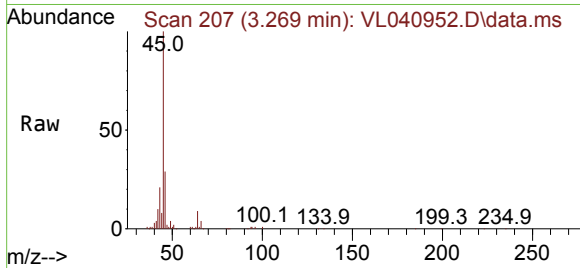




#13
Ethanol
Concen: 9.421 ppbv
RT: 3.269 min Scan# 207
Delta R.T. 0.000 min
Lab File: VL040952.D
Acq: 22 Dec 2023 9:26

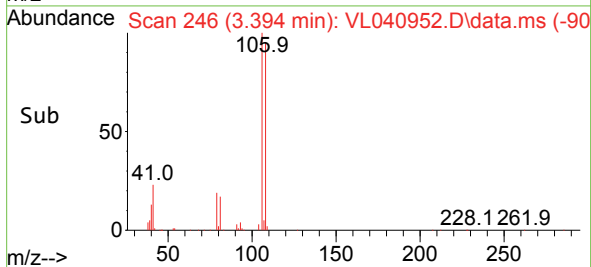
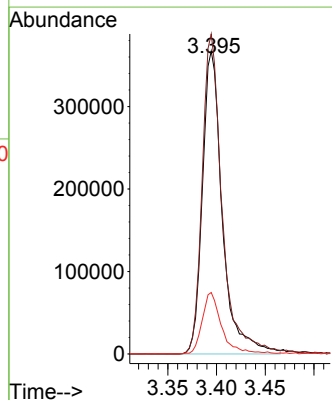
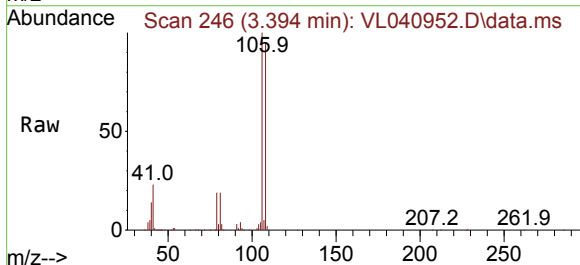
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

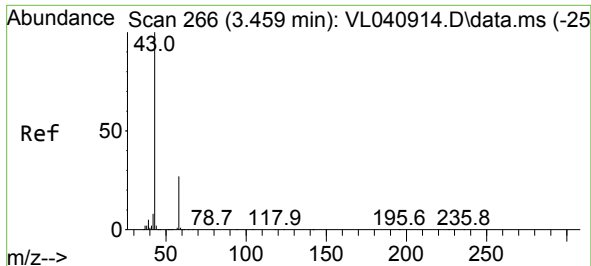
Tgt Ion: 45 Resp: 136811
Ion Ratio Lower Upper
45 100
46 35.3 15.0 60.0



#14
Bromoethene
Concen: 10.625 ppbv
RT: 3.394 min Scan# 246
Delta R.T. 0.000 min
Lab File: VL040952.D
Acq: 22 Dec 2023 9:26

Tgt Ion: 108 Resp: 522098
Ion Ratio Lower Upper
108 100
106 106.8 87.5 131.3
79 20.2 16.6 24.8

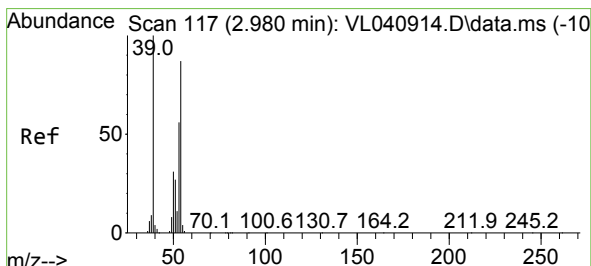
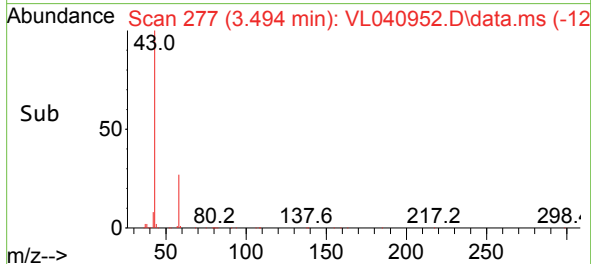
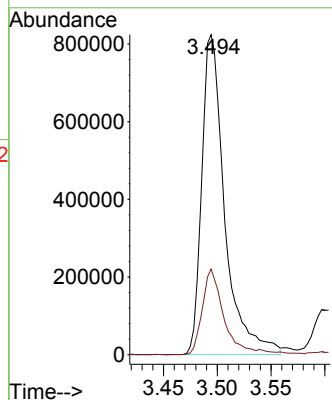
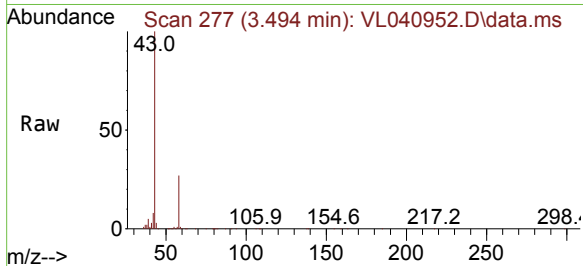




#15
Acetone
Concen: 8.802 ppbv
RT: 3.494 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL040952.D
Acq: 22 Dec 2023 9:26

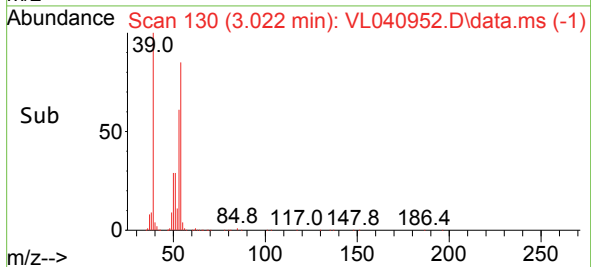
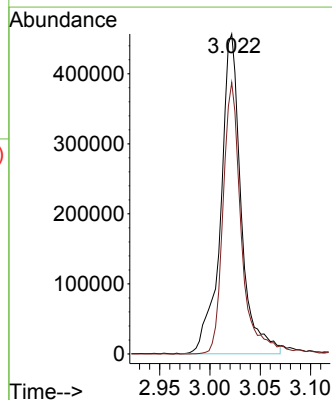
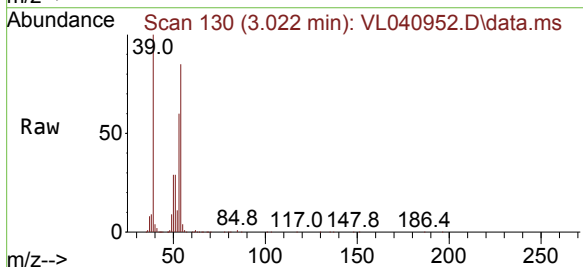
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

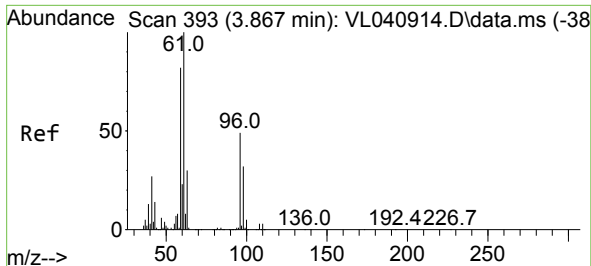
Tgt Ion: 43 Resp: 1223874
Ion Ratio Lower Upper
43 100
58 25.7 20.6 30.8



#16
1,3-Butadiene
Concen: 10.817 ppbv
RT: 3.022 min Scan# 130
Delta R.T. 0.000 min
Lab File: VL040952.D
Acq: 22 Dec 2023 9:26

Tgt Ion: 39 Resp: 647583
Ion Ratio Lower Upper
39 100
54 77.2 63.8 95.6





#17

tert-Butyl alcohol

Concen: 10.092 ppbv

RT: 3.899 min Scan# 403

Delta R.T. 0.000 min

Lab File: VL040952.D

Acq: 22 Dec 2023 9:26

Instrument :

MSVOA_L

ClientSampleId :

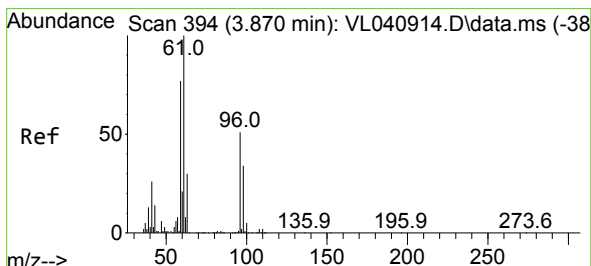
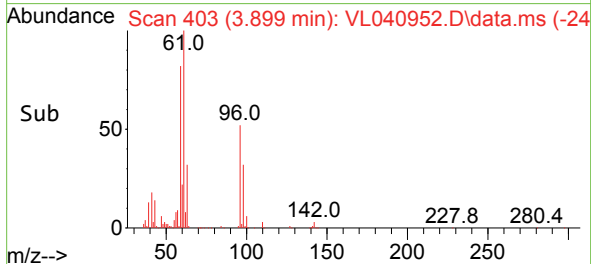
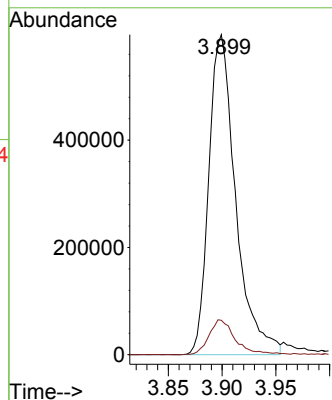
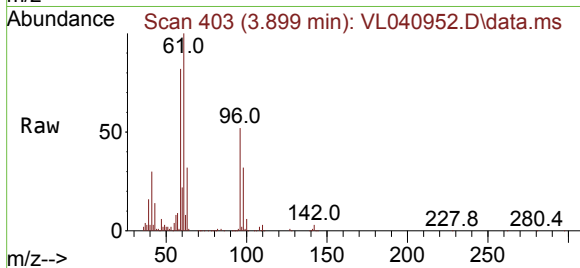
VSTDCCC010

Tgt Ion: 59 Resp: 1038074

Ion Ratio Lower Upper

59 100

57 10.9 8.3 12.5



#18

1,1-Dichloroethene

Concen: 10.110 ppbv

RT: 3.899 min Scan# 403

Delta R.T. 0.000 min

Lab File: VL040952.D

Acq: 22 Dec 2023 9:26

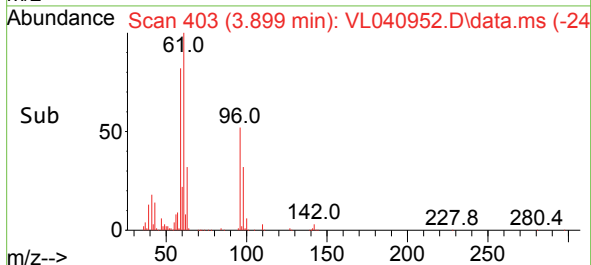
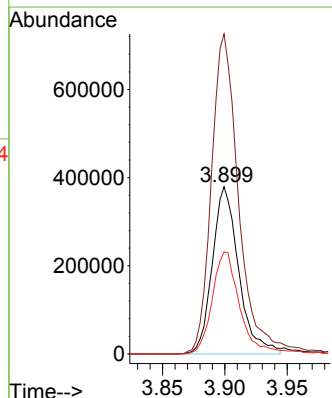
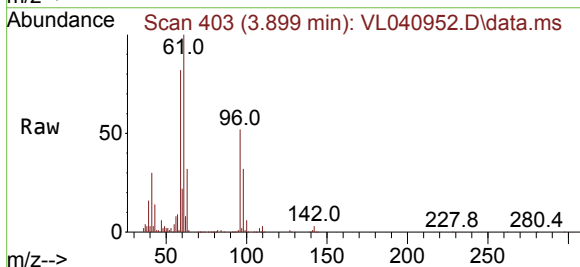
Tgt Ion: 96 Resp: 559599

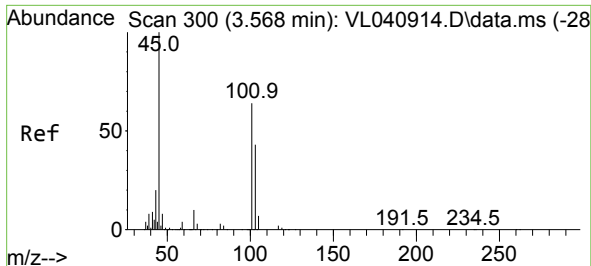
Ion Ratio Lower Upper

96 100

61 191.3 156.6 235.0

98 61.0 52.5 78.7

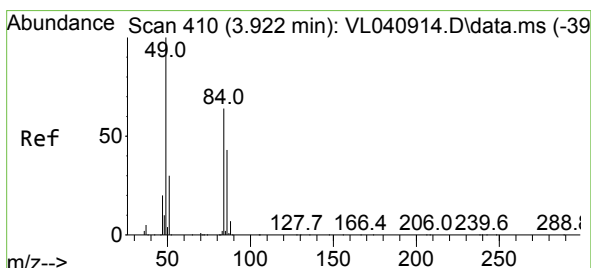
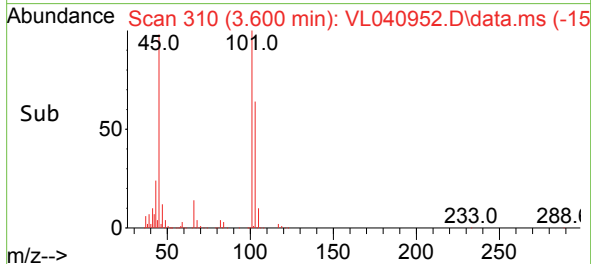
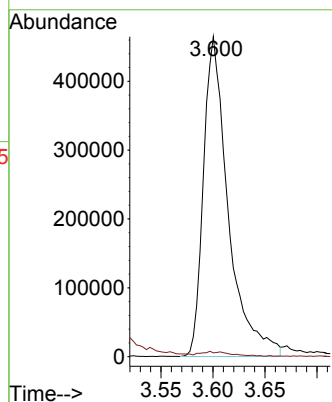
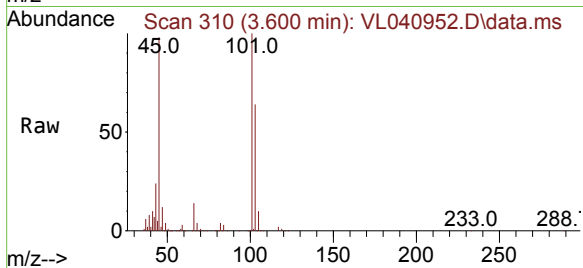




#19
Isopropyl Alcohol
Concen: 10.643 ppbv
RT: 3.600 min Scan# 310
Delta R.T. 0.000 min
Lab File: VL040952.D
Acq: 22 Dec 2023 9:26

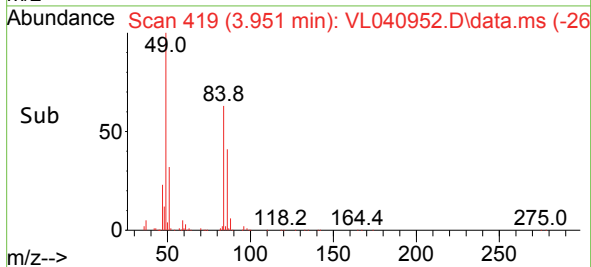
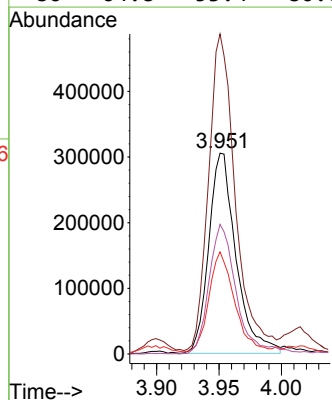
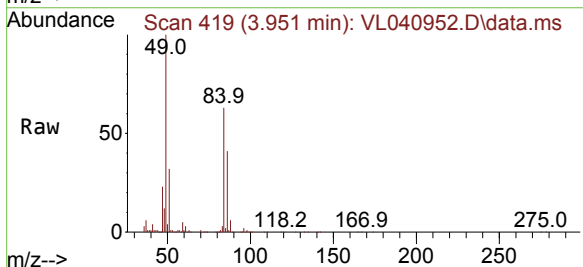
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

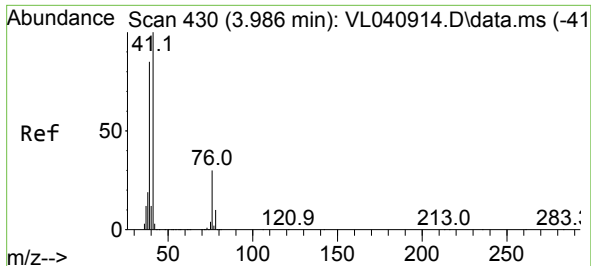
Tgt Ion: 45 Resp: 772209
Ion Ratio Lower Upper
45 100
58 2.7 1.5 2.3#



#20
Methylene Chloride
Concen: 9.394 ppbv
RT: 3.951 min Scan# 419
Delta R.T. 0.000 min
Lab File: VL040952.D
Acq: 22 Dec 2023 9:26

Tgt Ion: 84 Resp: 465583
Ion Ratio Lower Upper
84 100
49 157.6 124.6 187.0
51 49.7 37.2 55.8
86 64.8 53.4 80.0

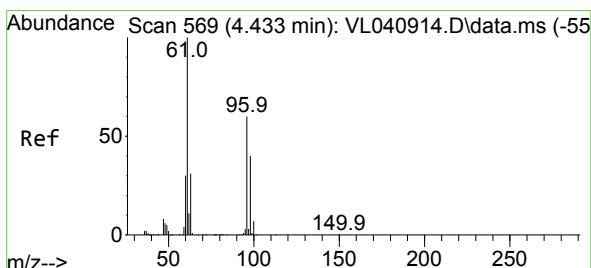
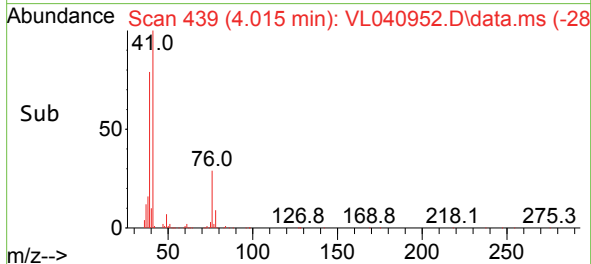
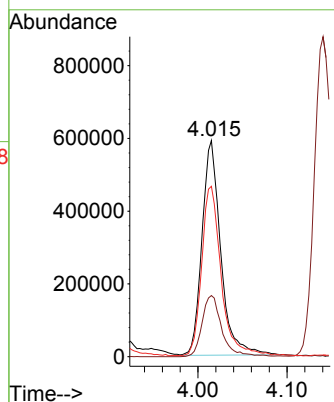
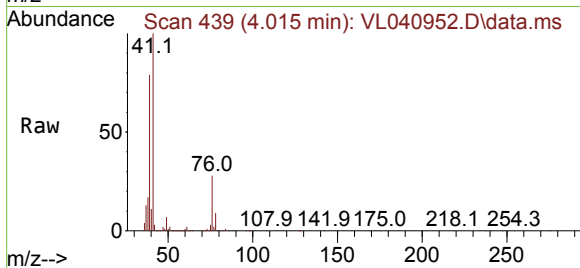




#21
 Allyl Chloride
 Concen: 10.518 ppbv
 RT: 4.015 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL040952.D
 Acq: 22 Dec 2023 9:26

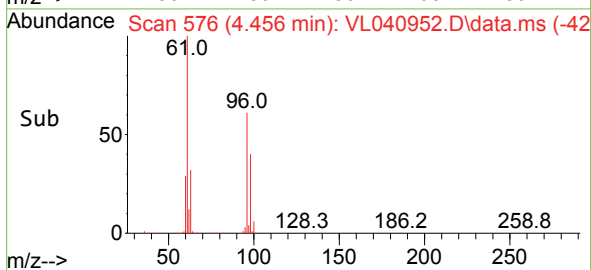
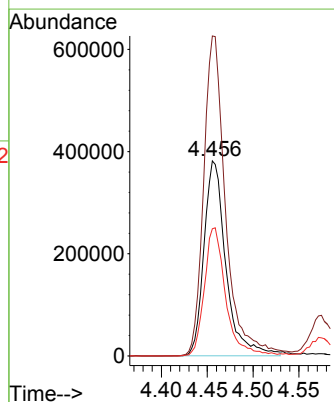
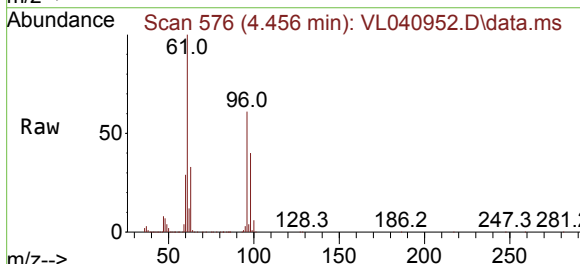
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

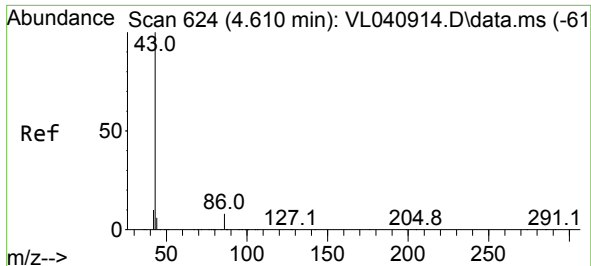
Tgt Ion: 41 Resp: 864478
 Ion Ratio Lower Upper
 41 100
 76 30.1 23.9 35.9
 39 83.2 66.5 99.7



#22
 trans-1,2-Dichloroethene
 Concen: 10.076 ppbv
 RT: 4.456 min Scan# 576
 Delta R.T. 0.000 min
 Lab File: VL040952.D
 Acq: 22 Dec 2023 9:26

Tgt Ion: 96 Resp: 635980
 Ion Ratio Lower Upper
 96 100
 61 164.1 133.0 199.6
 98 65.2 53.7 80.5



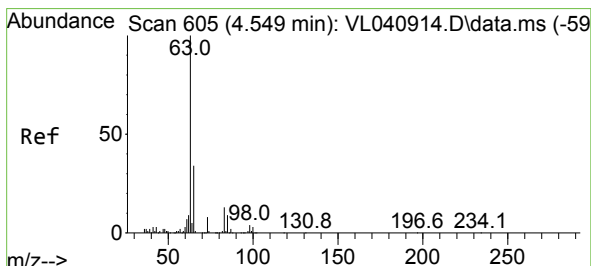
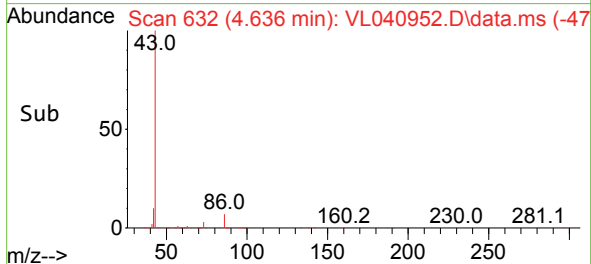
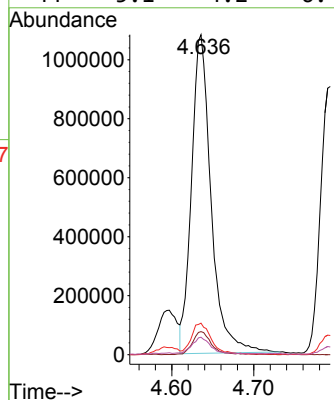
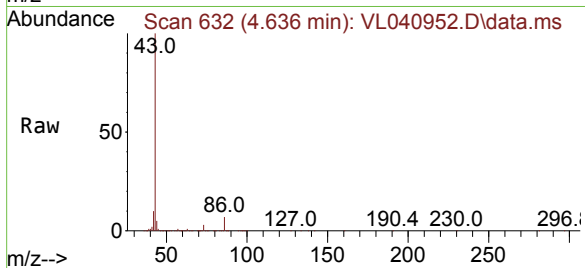


#23
 Vinyl Acetate
 Concen: 11.684 ppbv
 RT: 4.636 min Scan# 613
 Delta R.T. 0.000 min
 Lab File: VL040952.D
 Acq: 22 Dec 2023 9:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 43 Resp: 1792224

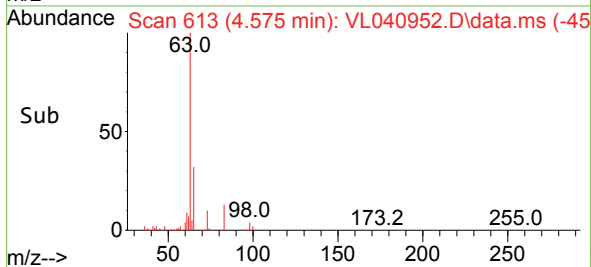
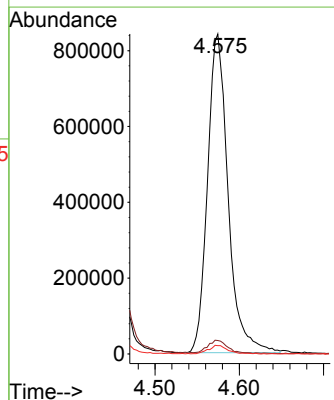
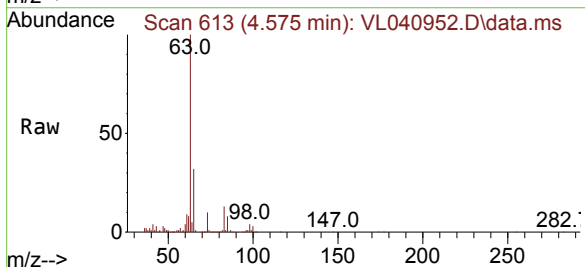
Ion	Ratio	Lower	Upper
43	100		
86	7.2	5.5	8.3
42	9.8	8.4	12.6
44	5.1	4.2	6.4

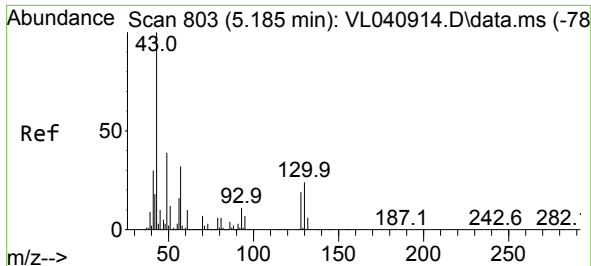


#24
 1,1-Dichloroethane
 Concen: 10.412 ppbv
 RT: 4.575 min Scan# 613
 Delta R.T. 0.000 min
 Lab File: VL040952.D
 Acq: 22 Dec 2023 9:26

Tgt Ion: 63 Resp: 1428646

Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.1	6.5
100	2.6	1.4	4.2



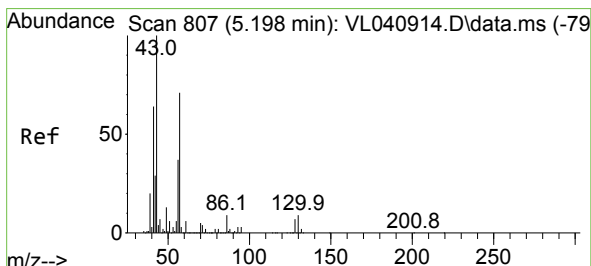
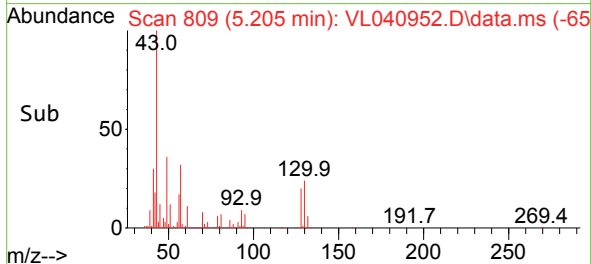
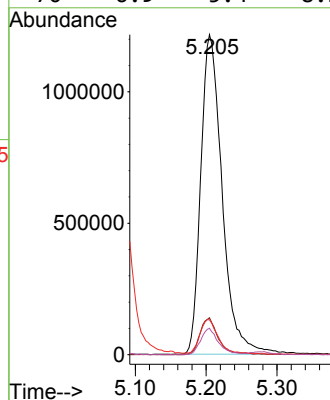
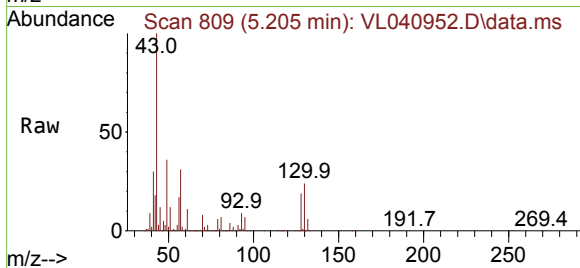


#25
Ethyl Acetate
Concen: 10.567 ppbv
RT: 5.205 min Scan# 809
Delta R.T. 0.000 min
Lab File: VL040952.D
Acq: 22 Dec 2023 9:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 2545876

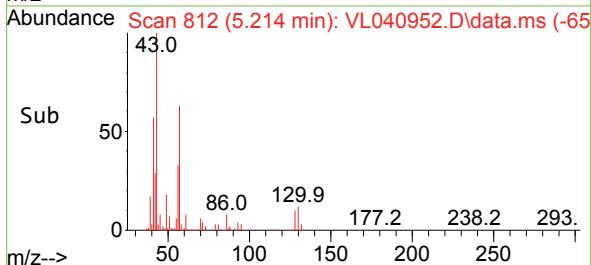
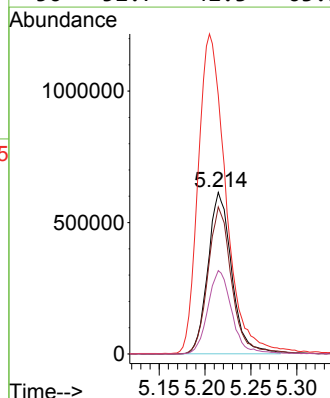
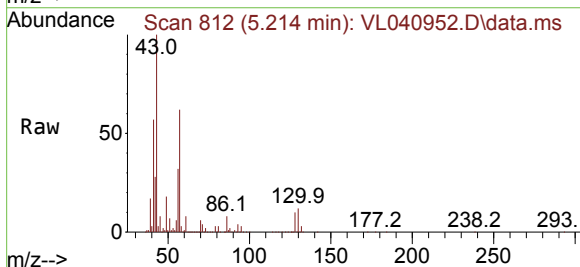
Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.2	12.2
61	9.6	7.6	11.4
70	6.9	5.4	8.2

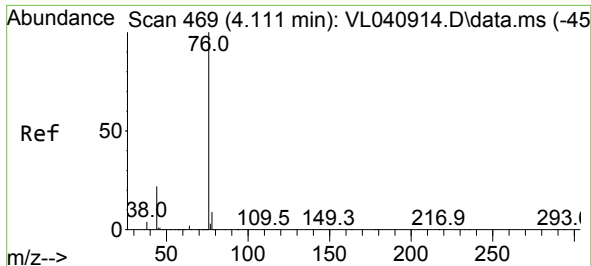


#26
Hexane
Concen: 10.356 ppbv
RT: 5.214 min Scan# 812
Delta R.T. 0.000 min
Lab File: VL040952.D
Acq: 22 Dec 2023 9:26

Tgt Ion: 57 Resp: 1105742

Ion	Ratio	Lower	Upper
57	100		
41	91.8	75.2	112.8
43	234.4	188.0	282.0
56	52.7	42.3	63.5

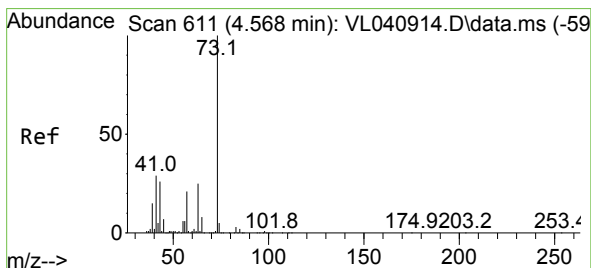
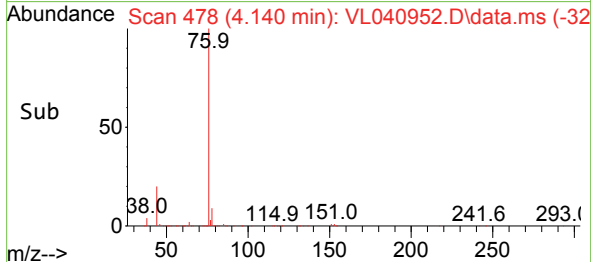
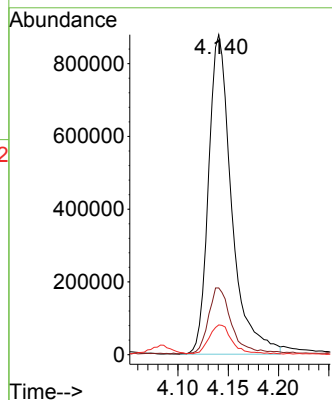
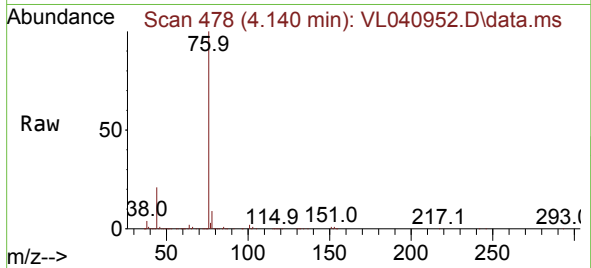




#27
Carbon Disulfide
Concen: 9.711 ppbv
RT: 4.140 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL040952.D
Acq: 22 Dec 2023 9:26

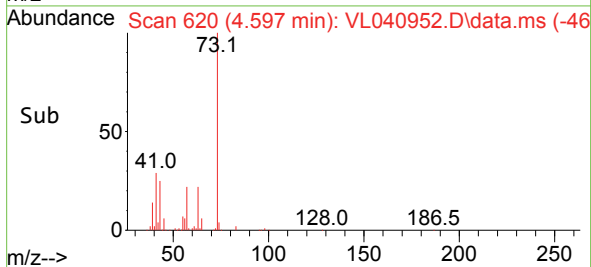
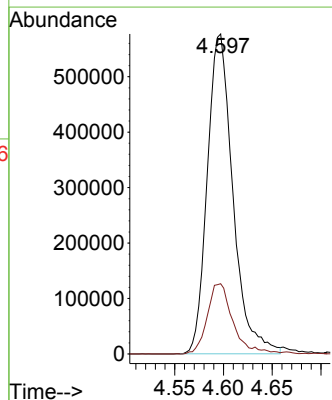
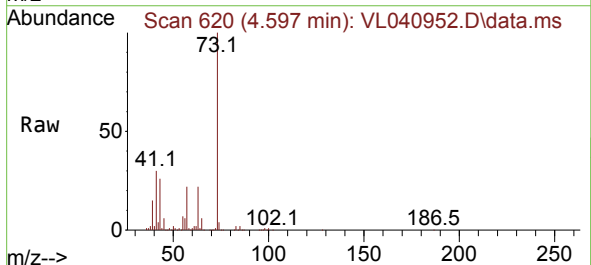
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

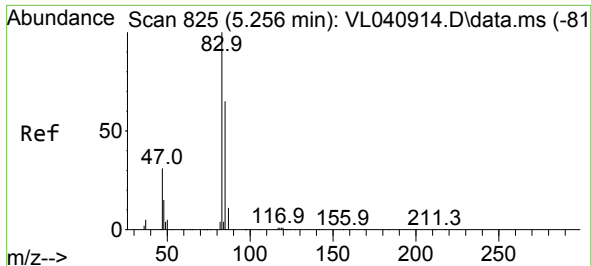
Tgt Ion: 76 Resp: 1403340
Ion Ratio Lower Upper
76 100
44 21.7 18.4 27.6
78 10.0 7.9 11.9



#28
Methyl tert-Butyl Ether
Concen: 10.663 ppbv
RT: 4.597 min Scan# 620
Delta R.T. 0.000 min
Lab File: VL040952.D
Acq: 22 Dec 2023 9:26

Tgt Ion: 73 Resp: 1056550
Ion Ratio Lower Upper
73 100
57 22.4 18.0 27.0





#29

Chloroform

Concen: 9.854 ppbv

RT: 5.275 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL040952.D

Acq: 22 Dec 2023 9:26

Instrument :

MSVOA_L

ClientSampleId :

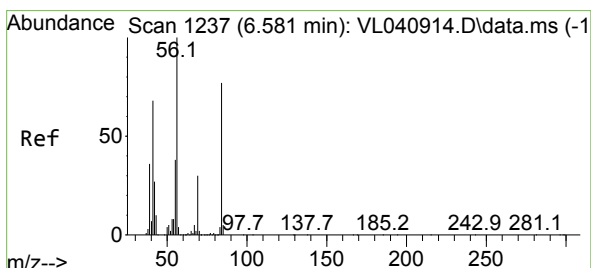
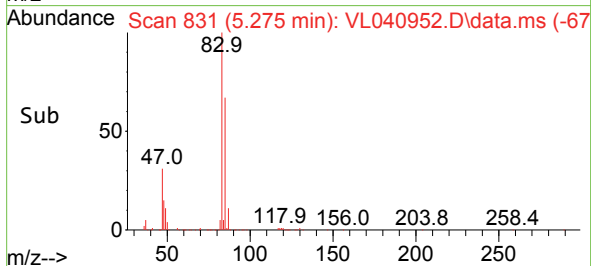
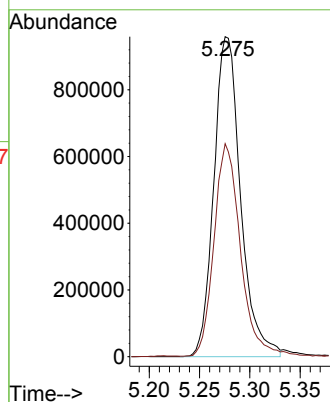
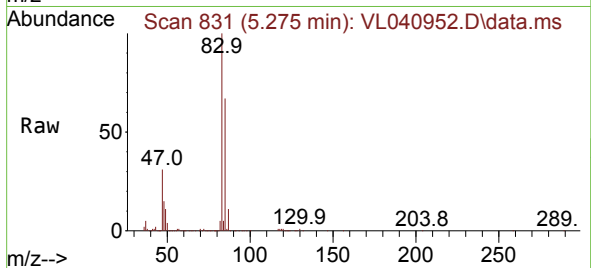
VSTDCCC010

Tgt Ion: 83 Resp: 1775556

Ion Ratio Lower Upper

83 100

85 66.4 52.3 78.5



#30

Cyclohexane

Concen: 10.720 ppbv

RT: 6.594 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VL040952.D

Acq: 22 Dec 2023 9:26

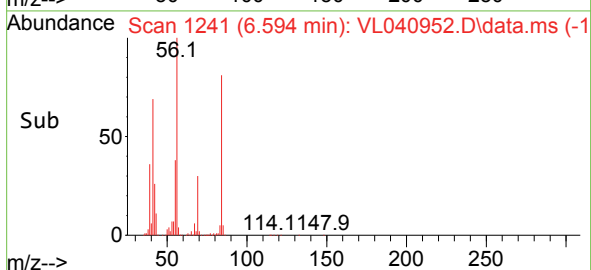
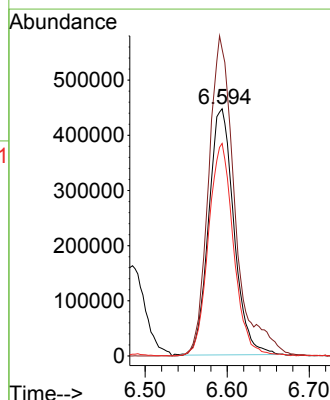
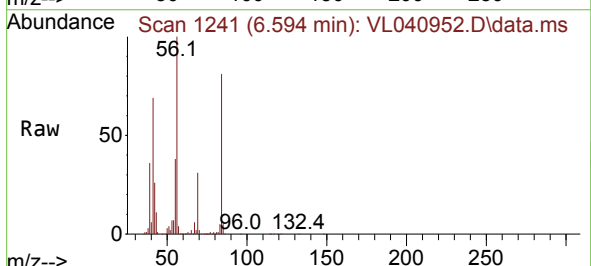
Tgt Ion: 84 Resp: 954242

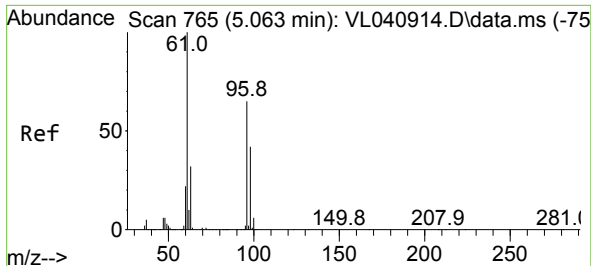
Ion Ratio Lower Upper

84 100

56 136.3 111.4 167.2

41 86.0 70.0 105.0



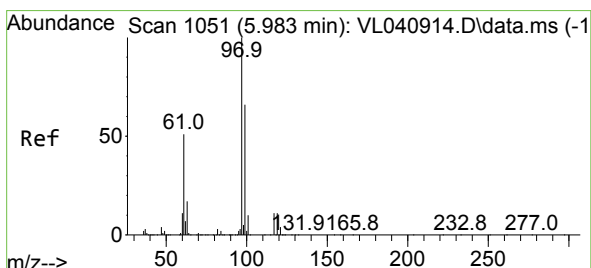
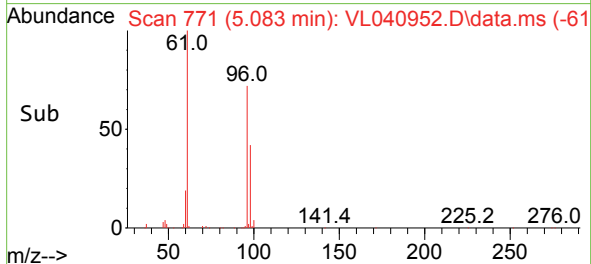
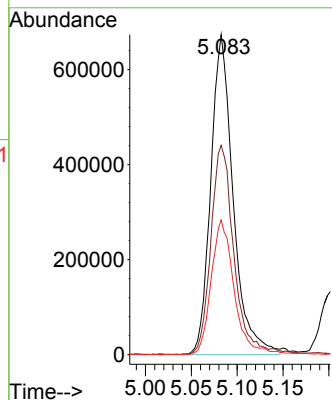
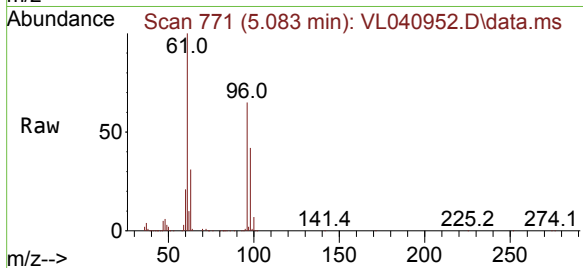


#31
cis-1,2-Dichloroethene
Concen: 10.419 ppbv
RT: 5.083 min Scan# 71
Delta R.T. 0.000 min
Lab File: VL040952.D
Acq: 22 Dec 2023 9:26

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 61 Resp: 1142784

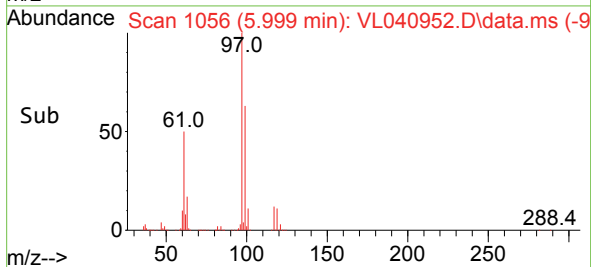
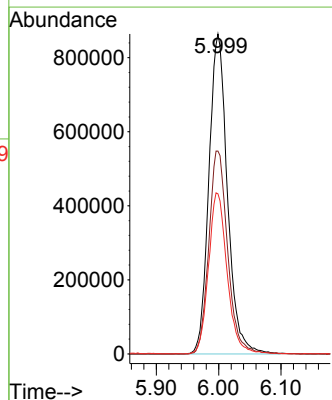
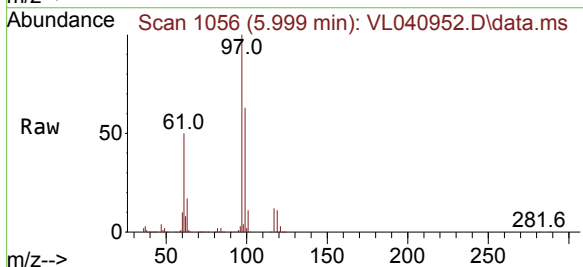
Ion	Ratio	Lower	Upper
61	100		
96	65.4	51.7	77.5
98	42.1	33.2	49.8

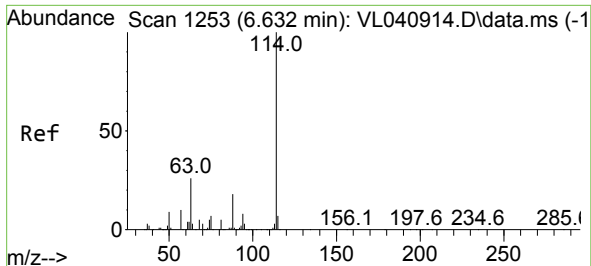


#32
1,1,1-Trichloroethane
Concen: 10.241 ppbv
RT: 5.999 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VL040952.D
Acq: 22 Dec 2023 9:26

Tgt Ion: 97 Resp: 1784026

Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.8	77.6
61	50.9	41.0	61.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.642 min Scan# 1

Delta R.T. 0.000 min

Lab File: VL040952.D

Acq: 22 Dec 2023 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

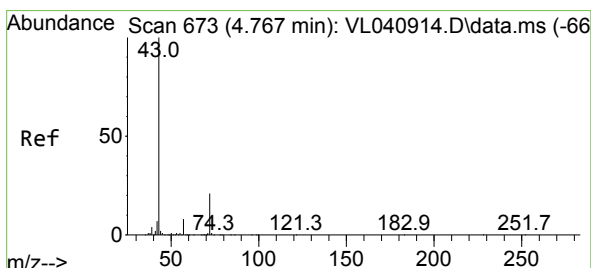
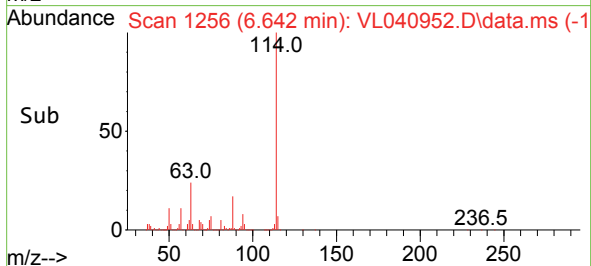
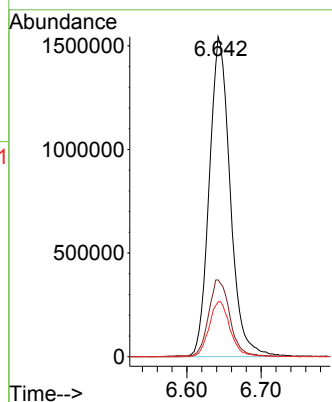
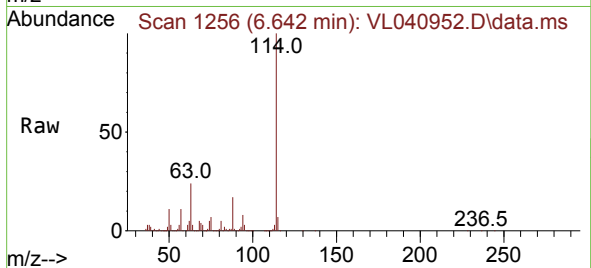
Tgt Ion:114 Resp: 3015591

Ion Ratio Lower Upper

114 100

63 25.0 21.0 31.6

88 17.4 14.3 21.5



#34

2-Butanone

Concen: 10.039 ppbv

RT: 4.793 min Scan# 681

Delta R.T. 0.000 min

Lab File: VL040952.D

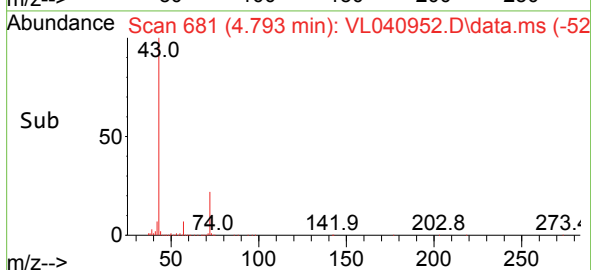
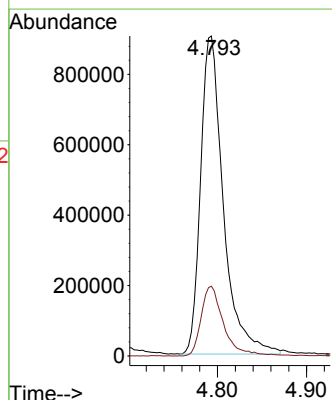
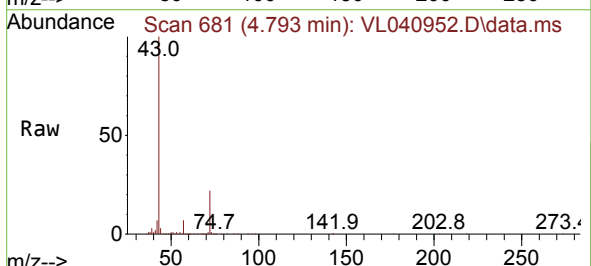
Acq: 22 Dec 2023 9:26

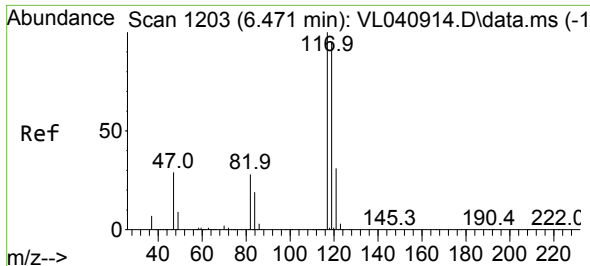
Tgt Ion: 43 Resp: 1601442

Ion Ratio Lower Upper

43 100

72 21.9 17.2 25.8

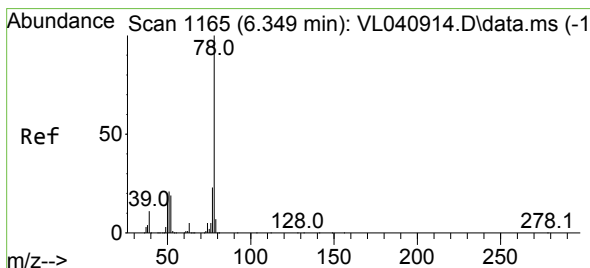
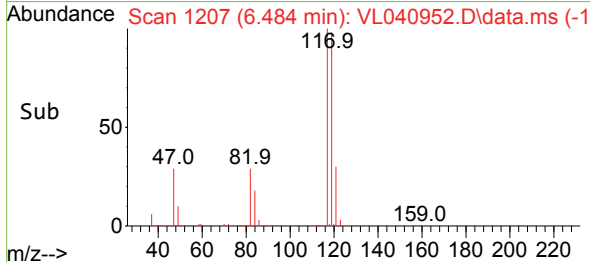
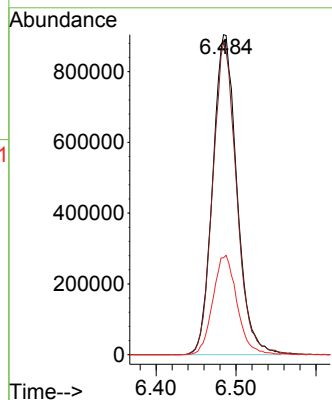
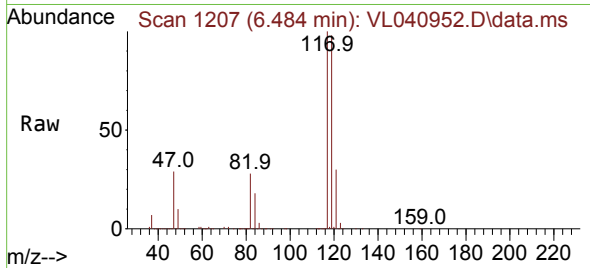




#35
Carbon Tetrachloride
Concen: 10.051 ppbv
RT: 6.484 min Scan# 1169
Delta R.T. 0.000 min
Lab File: VL040952.D
Acq: 22 Dec 2023 9:26

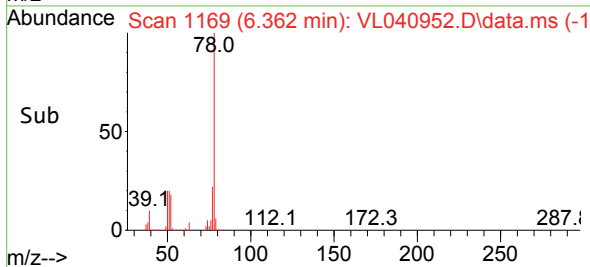
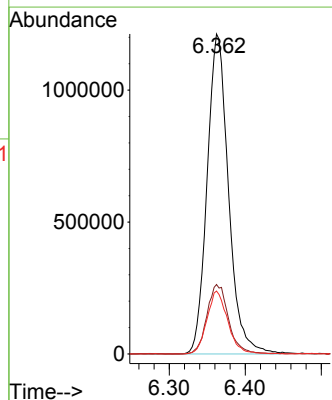
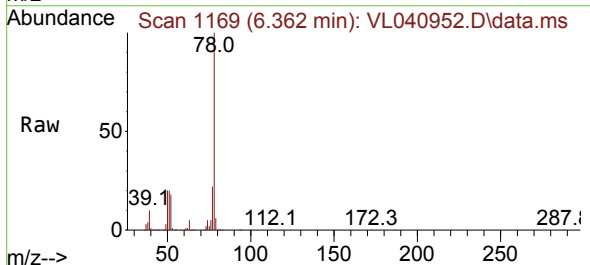
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

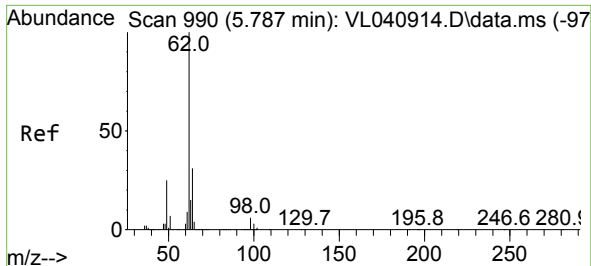
Tgt Ion:117 Resp: 1898158
Ion Ratio Lower Upper
117 100
119 97.6 76.3 114.5
121 30.3 24.9 37.3



#36
Benzene
Concen: 10.057 ppbv
RT: 6.362 min Scan# 1169
Delta R.T. 0.000 min
Lab File: VL040952.D
Acq: 22 Dec 2023 9:26

Tgt Ion: 78 Resp: 2370898
Ion Ratio Lower Upper
78 100
77 21.7 18.4 27.6
50 19.6 16.0 24.0





#37

1,2-Dichloroethane

Concen: 9.713 ppbv

RT: 5.803 min Scan# 990

Delta R.T. 0.000 min

Lab File: VL040952.D

Acq: 22 Dec 2023 9:26

Instrument :

MSVOA_L

ClientSampleId :

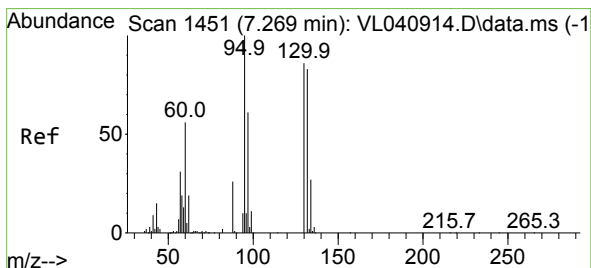
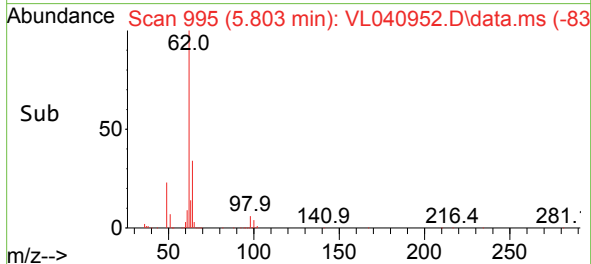
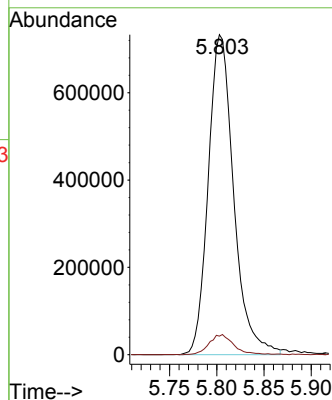
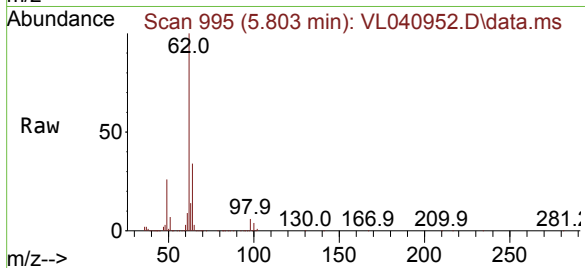
VSTDCCC010

Tgt Ion: 62 Resp: 1372011

Ion Ratio Lower Upper

62 100

98 6.3 4.6 7.0



#38

Trichloroethene

Concen: 10.390 ppbv

RT: 7.279 min Scan# 1454

Delta R.T. 0.000 min

Lab File: VL040952.D

Acq: 22 Dec 2023 9:26

Tgt Ion:130 Resp: 919893

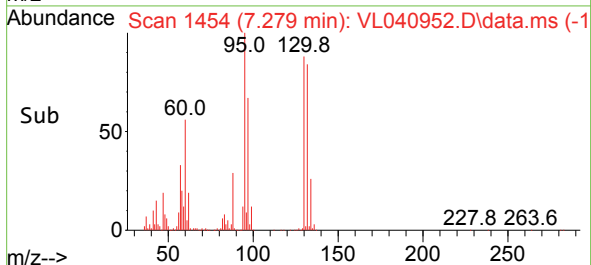
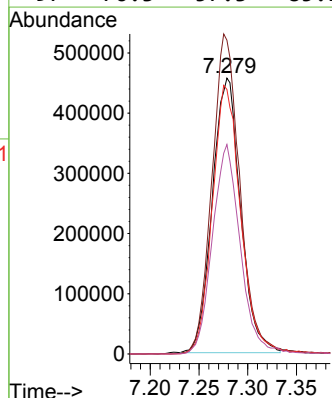
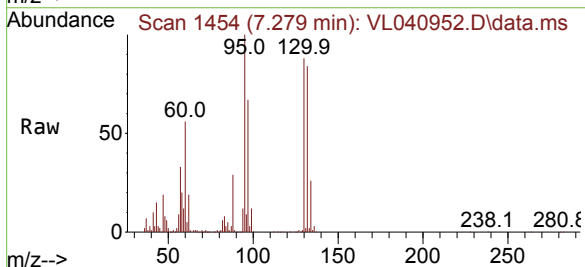
Ion Ratio Lower Upper

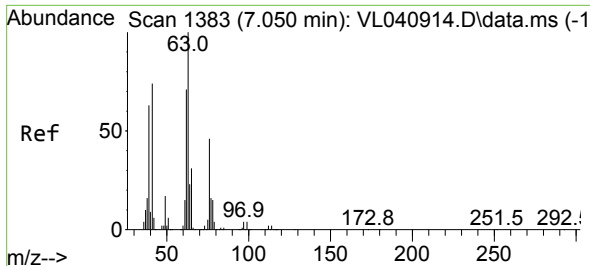
130 100

95 114.1 93.5 140.3

132 96.3 77.4 116.2

97 76.3 57.3 85.9





#39

1,2-Dichloropropane

Concen: 9.923 ppbv

RT: 7.060 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL040952.D

Acq: 22 Dec 2023 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

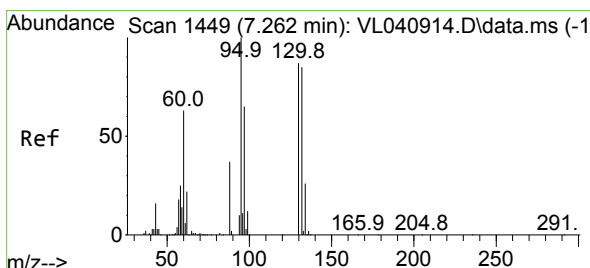
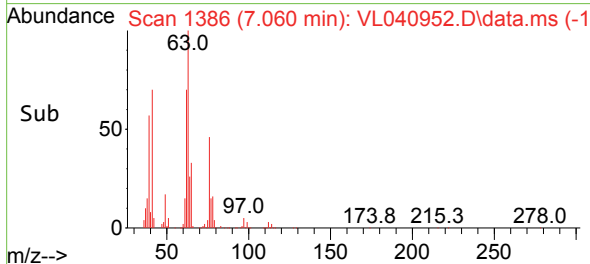
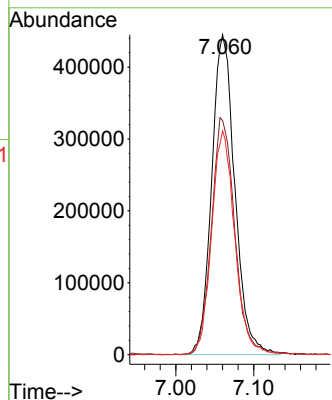
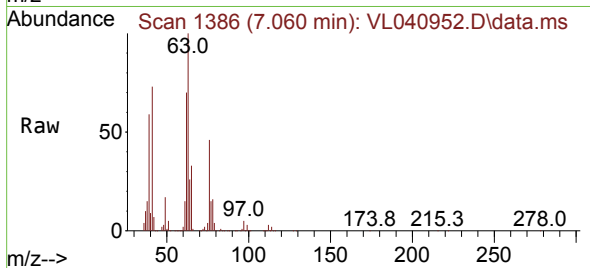
Tgt Ion: 63 Resp: 919205

Ion Ratio Lower Upper

63 100

41 73.0 59.0 88.6

62 69.9 56.6 85.0



#40

1,4-Dioxane

Concen: 9.496 ppbv

RT: 7.266 min Scan# 1450

Delta R.T. 0.000 min

Lab File: VL040952.D

Acq: 22 Dec 2023 9:26

Tgt Ion: 88 Resp: 371438

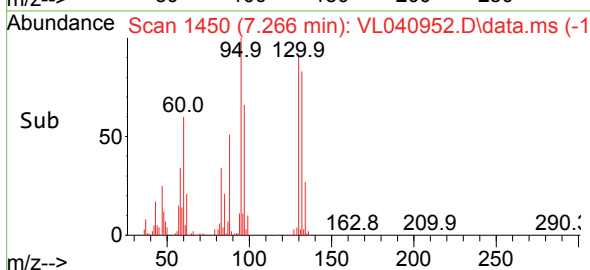
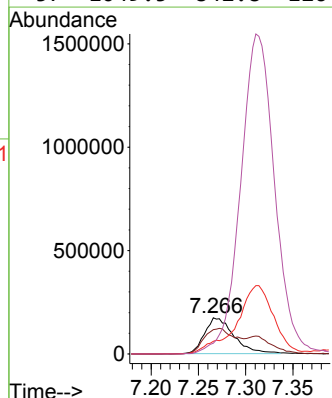
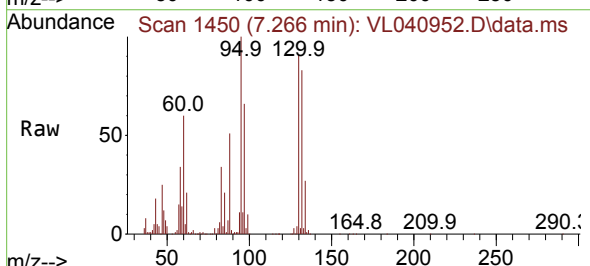
Ion Ratio Lower Upper

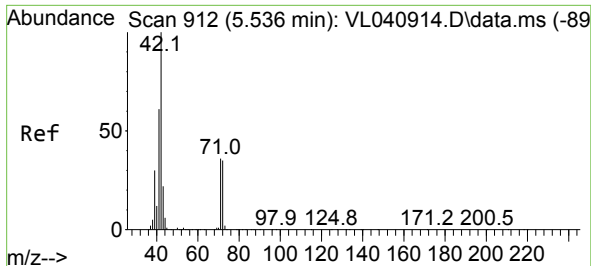
88 100

58 121.4 97.3 145.9

43 244.9 200.6 300.8

57 1049.5 842.8 1264.2

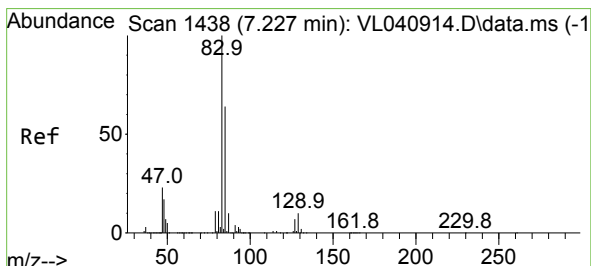
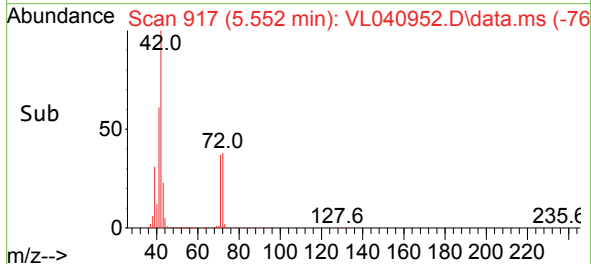
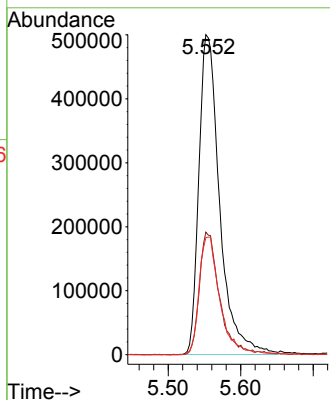
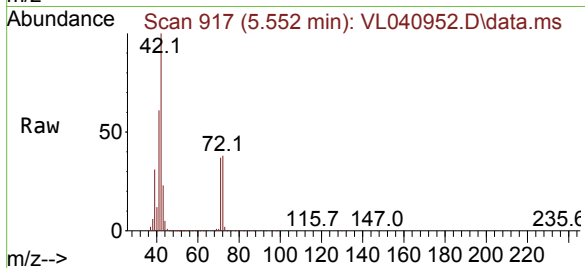




#41
Tetrahydrofuran
Concen: 10.258 ppbv
RT: 5.552 min Scan# 912
Delta R.T. 0.000 min
Lab File: VL040952.D
Acq: 22 Dec 2023 9:26

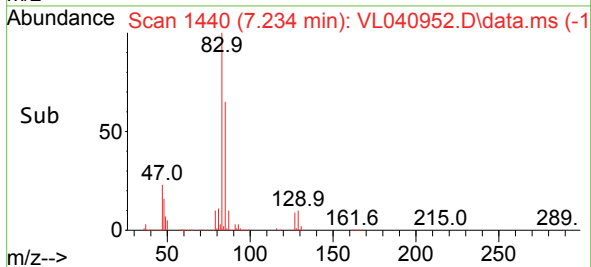
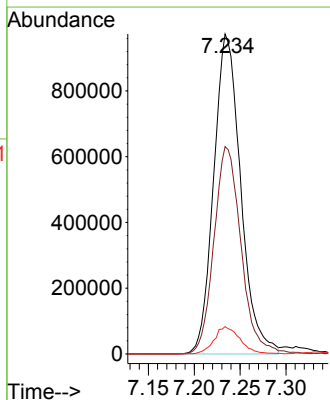
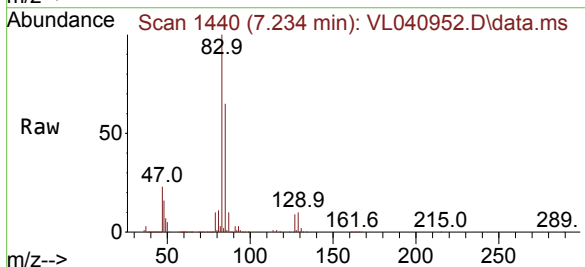
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

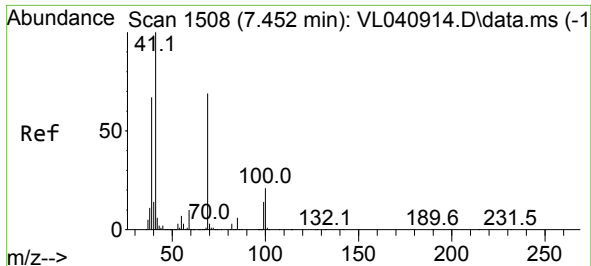
Tgt Ion: 42 Resp: 995569
Ion Ratio Lower Upper
42 100
72 37.7 29.6 44.4
71 37.0 29.1 43.7



#42
Bromodichloromethane
Concen: 9.773 ppbv
RT: 7.234 min Scan# 1440
Delta R.T. 0.000 min
Lab File: VL040952.D
Acq: 22 Dec 2023 9:26

Tgt Ion: 83 Resp: 1991007
Ion Ratio Lower Upper
83 100
85 64.8 51.4 77.0
127 8.5 5.9 8.9

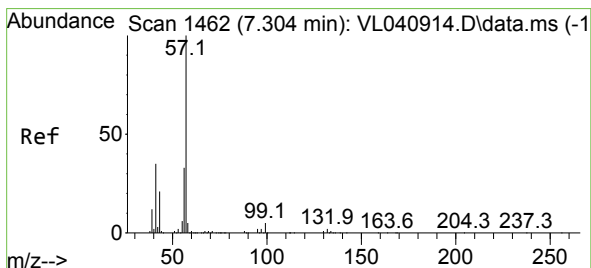
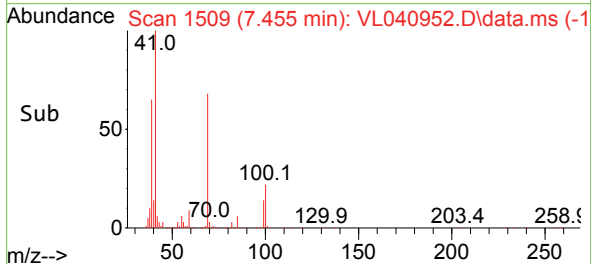
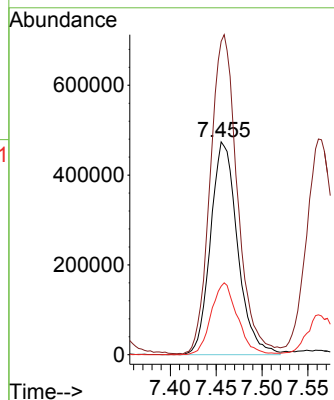
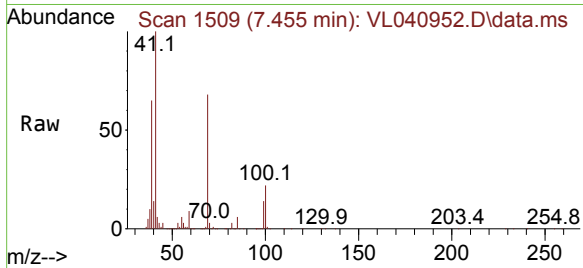




#43
Methyl Methacrylate
Concen: 10.507 ppbv
RT: 7.455 min Scan# 1509
Delta R.T. 0.000 min
Lab File: VL040952.D
Acq: 22 Dec 2023 9:26

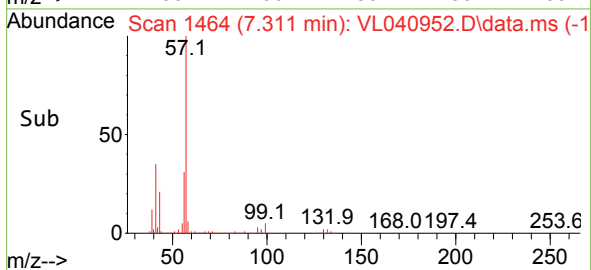
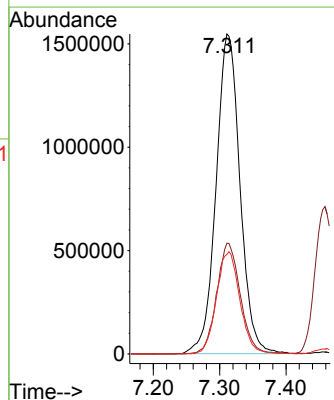
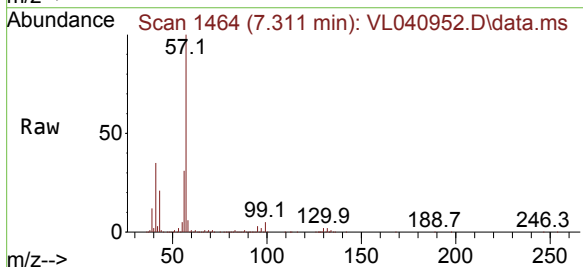
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

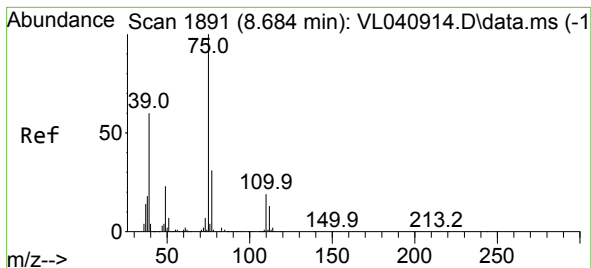
Tgt Ion: 69 Resp: 971578
Ion Ratio Lower Upper
69 100
41 150.7 119.9 179.9
100 32.9 25.1 37.7



#44
2,2,4-Trimethylpentane
Concen: 9.672 ppbv
RT: 7.311 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VL040952.D
Acq: 22 Dec 2023 9:26

Tgt Ion: 57 Resp: 3873085
Ion Ratio Lower Upper
57 100
41 34.3 28.2 42.4
56 31.5 25.3 37.9





#45

t-1,3-Dichloropropene

Concen: 11.310 ppbv

RT: 8.687 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL040952.D

Acq: 22 Dec 2023 9:26

Instrument :

MSVOA_L

ClientSampleId :

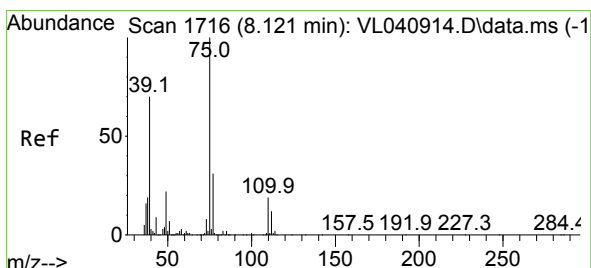
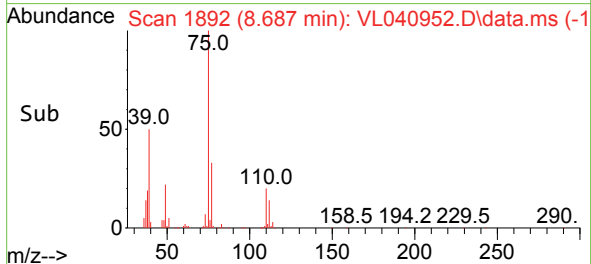
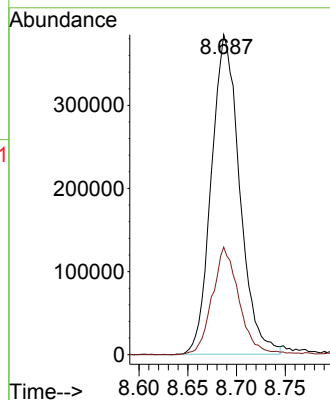
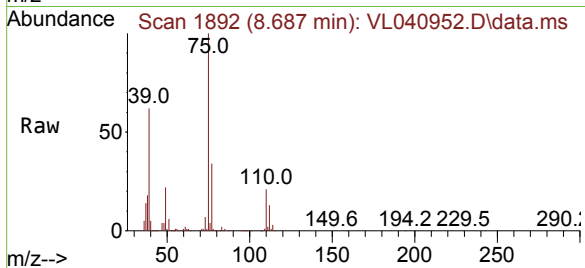
VSTDCCC010

Tgt Ion: 75 Resp: 775927

Ion Ratio Lower Upper

75 100

77 33.6 24.8 37.2



#46

cis-1,3-Dichloropropene

Concen: 10.877 ppbv

RT: 8.124 min Scan# 1717

Delta R.T. 0.000 min

Lab File: VL040952.D

Acq: 22 Dec 2023 9:26

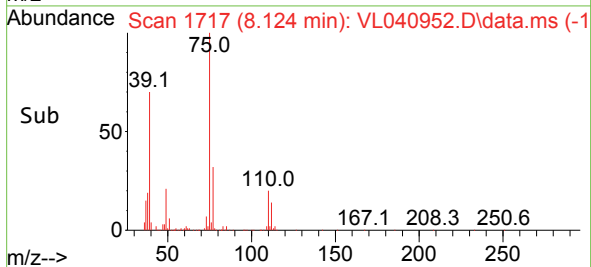
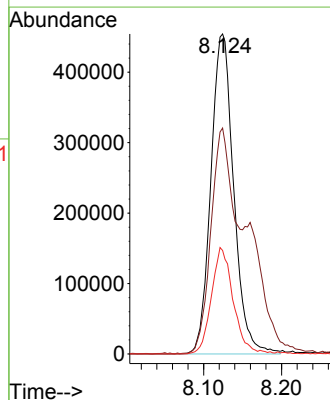
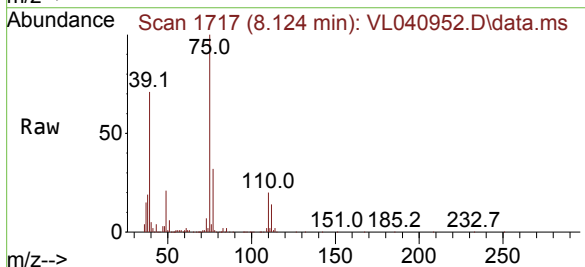
Tgt Ion: 75 Resp: 923878

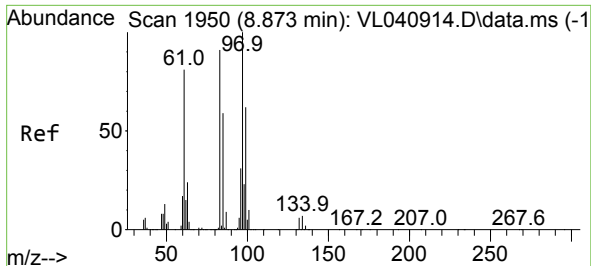
Ion Ratio Lower Upper

75 100

39 70.5 56.2 84.4

77 32.4 24.5 36.7





#47

1,1,2-Trichloroethane

Concen: 10.088 ppbv

RT: 8.877 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VL040952.D

Acq: 22 Dec 2023 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 97 Resp: 991302

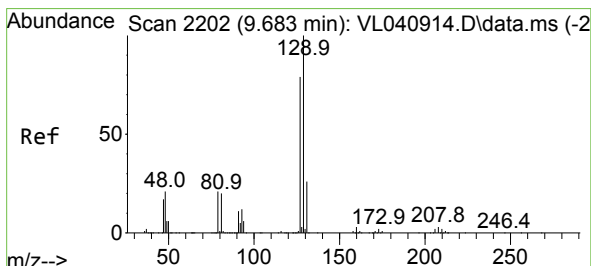
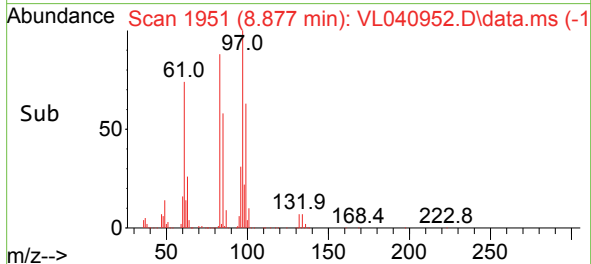
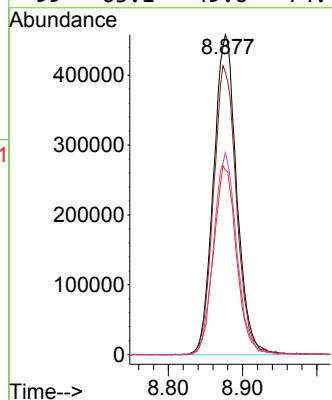
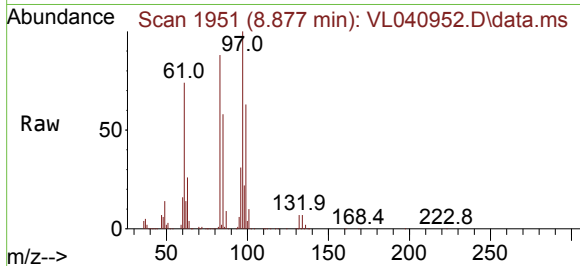
Ion Ratio Lower Upper

97 100

83 88.3 72.6 108.8

85 57.8 47.4 71.0

99 63.1 49.6 74.4



#48

Dibromochloromethane

Concen: 10.445 ppbv

RT: 9.687 min Scan# 2203

Delta R.T. 0.000 min

Lab File: VL040952.D

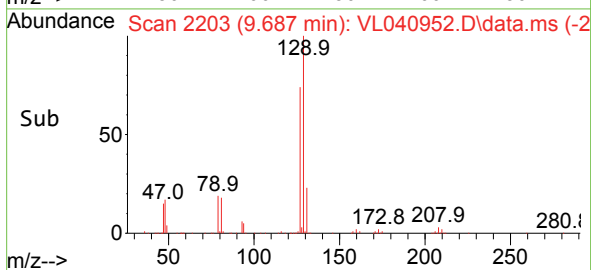
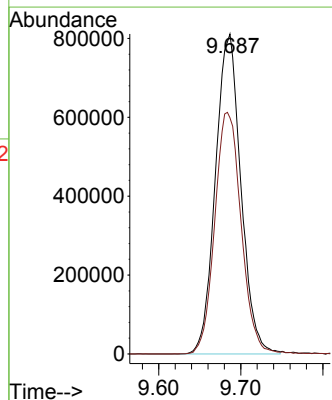
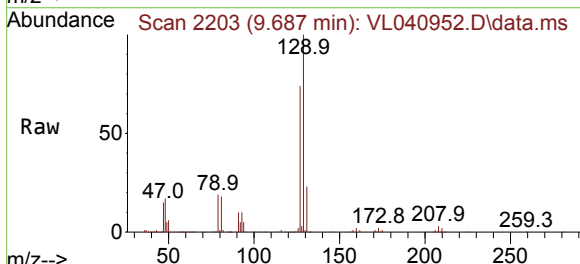
Acq: 22 Dec 2023 9:26

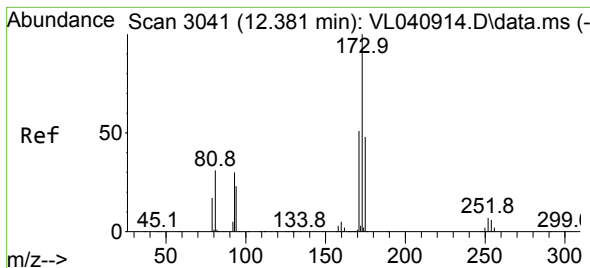
Tgt Ion: 129 Resp: 1752015

Ion Ratio Lower Upper

129 100

127 78.6 39.6 119.0





#49

Bromoform

Concen: 10.728 ppbv

RT: 12.375 min Scan# 3041

Delta R.T. 0.000 min

Lab File: VL040952.D

Acq: 22 Dec 2023 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

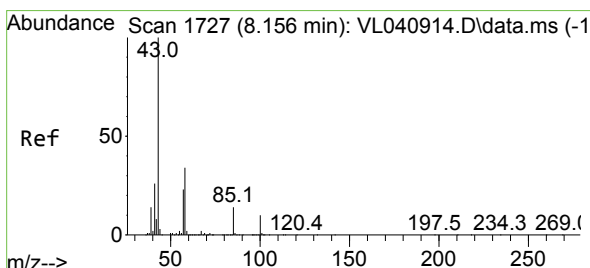
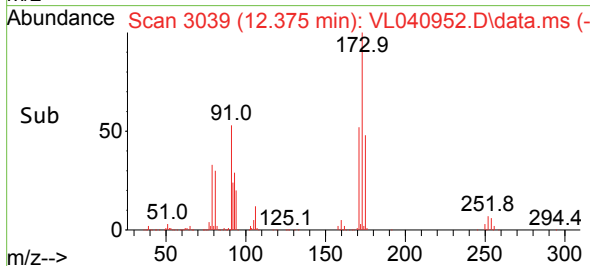
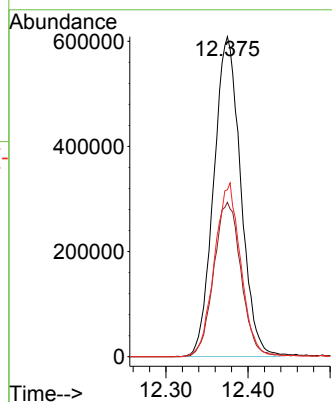
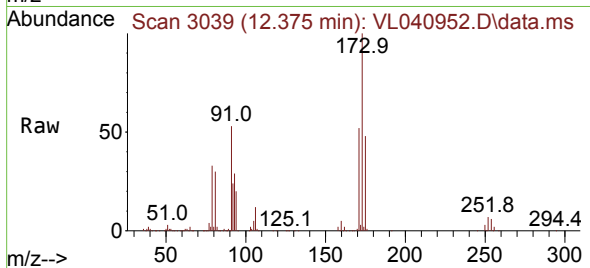
Tgt Ion:173 Resp: 1388490

Ion Ratio Lower Upper

173 100

175 49.6 39.3 58.9

171 53.4 41.8 62.6



#50

4-Methyl-2-Pentanone

Concen: 10.217 ppbv

RT: 8.160 min Scan# 1728

Delta R.T. 0.000 min

Lab File: VL040952.D

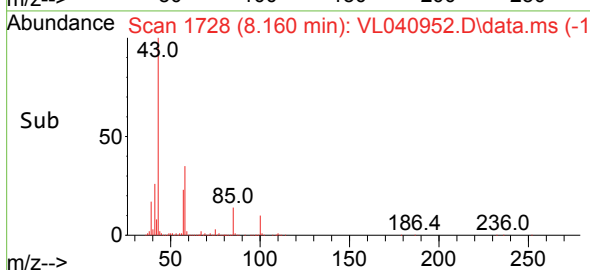
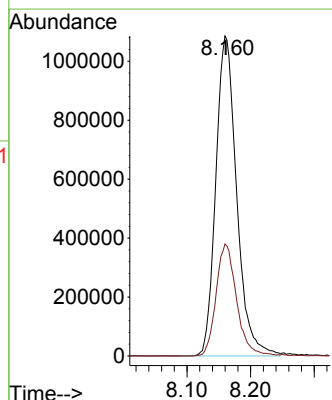
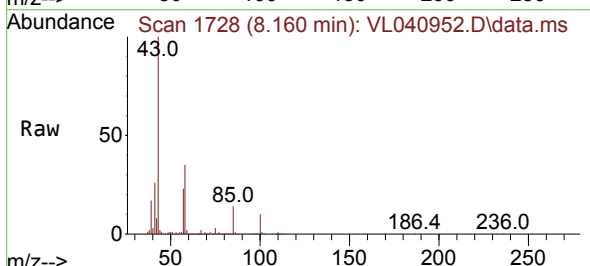
Acq: 22 Dec 2023 9:26

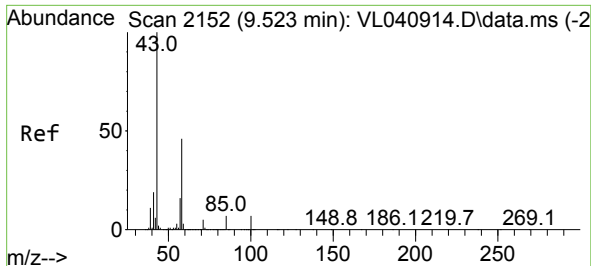
Tgt Ion: 43 Resp: 2468456

Ion Ratio Lower Upper

43 100

58 34.8 27.4 41.0

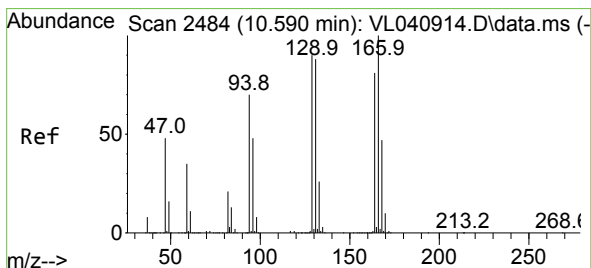
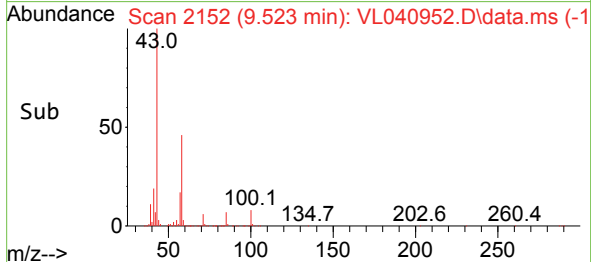
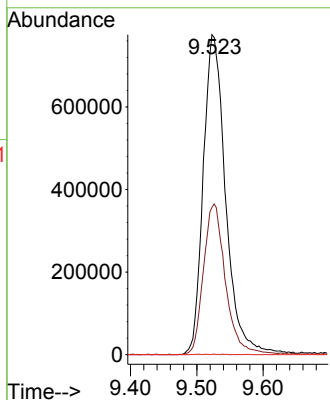
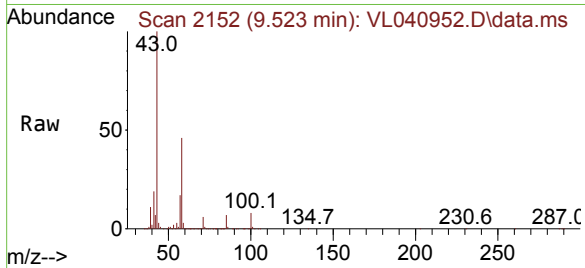




#51
2-Hexanone
Concen: 10.435 ppbv
RT: 9.523 min Scan# 2152
Delta R.T. 0.000 min
Lab File: VL040952.D
Acq: 22 Dec 2023 9:26

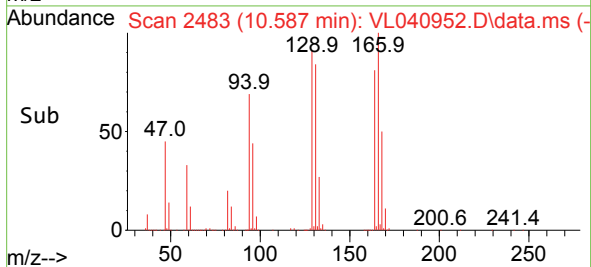
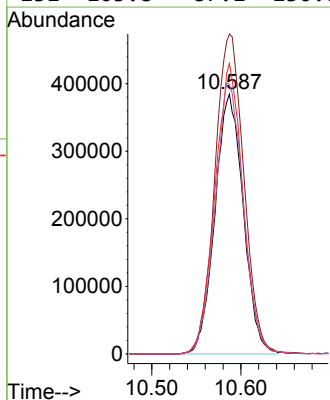
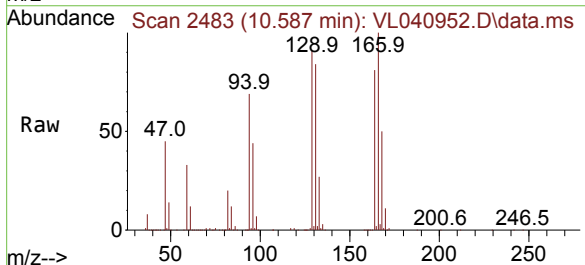
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

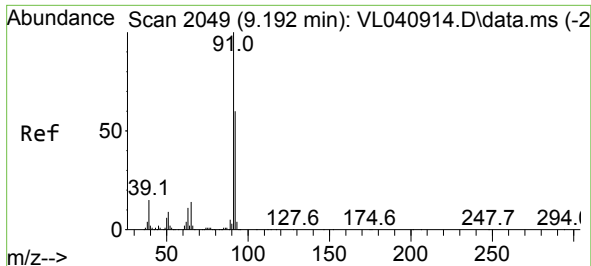
Tgt Ion: 43 Resp: 1814674
Ion Ratio Lower Upper
43 100
58 46.7 37.3 55.9
98 0.2 0.2 0.2#



#52
Tetrachloroethene
Concen: 10.681 ppbv
RT: 10.587 min Scan# 2483
Delta R.T. 0.000 min
Lab File: VL040952.D
Acq: 22 Dec 2023 9:26

Tgt Ion: 164 Resp: 848205
Ion Ratio Lower Upper
164 100
166 123.1 98.9 148.3
129 111.7 88.7 133.1
131 103.8 87.1 130.7

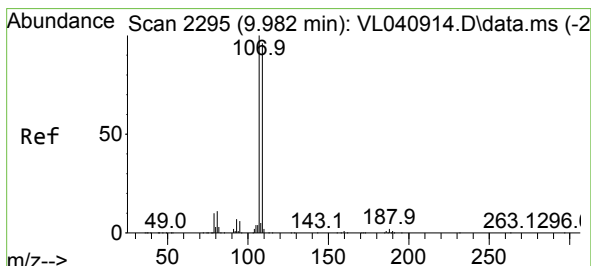
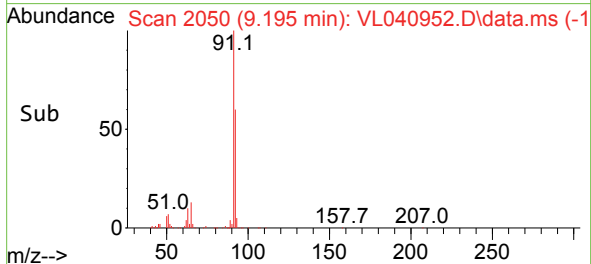
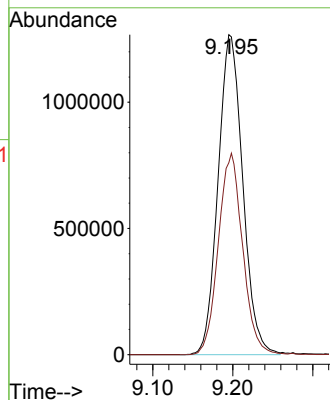
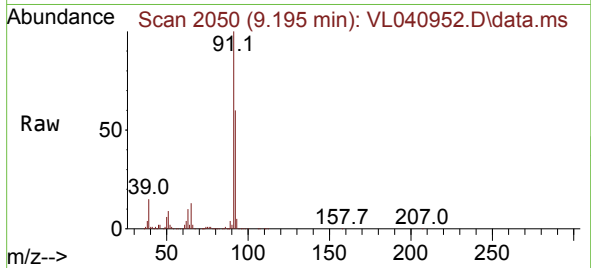




#53
Toluene
Concen: 10.384 ppbv
RT: 9.195 min Scan# 2049
Delta R.T. 0.000 min
Lab File: VL040952.D
Acq: 22 Dec 2023 9:26

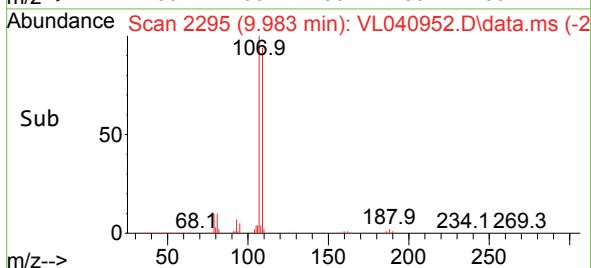
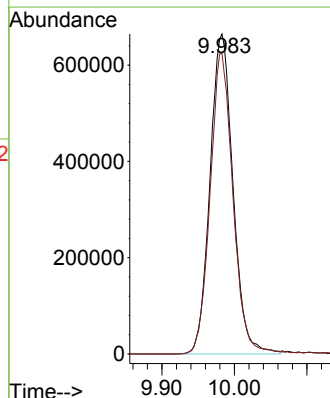
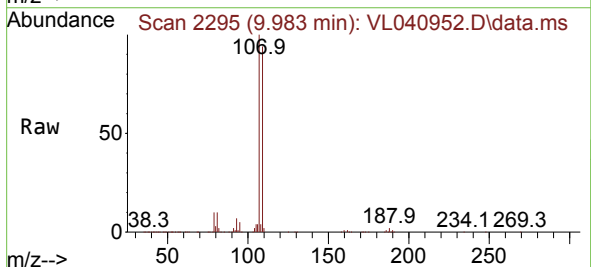
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

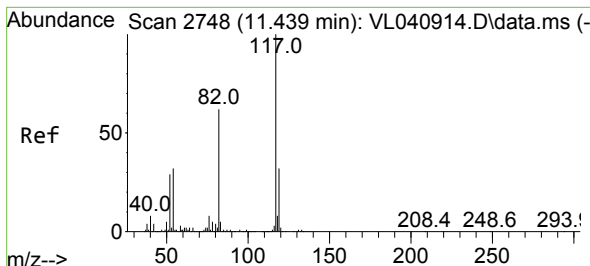
Tgt Ion: 91 Resp: 2714341
Ion Ratio Lower Upper
91 100
92 62.3 49.2 73.8



#54
1,2-Dibromoethane
Concen: 10.853 ppbv
RT: 9.983 min Scan# 2295
Delta R.T. 0.000 min
Lab File: VL040952.D
Acq: 22 Dec 2023 9:26

Tgt Ion: 107 Resp: 1463567
Ion Ratio Lower Upper
107 100
109 94.0 77.0 115.4

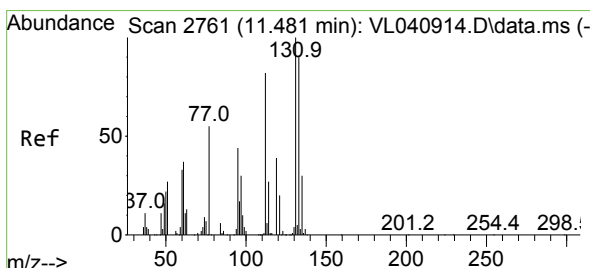
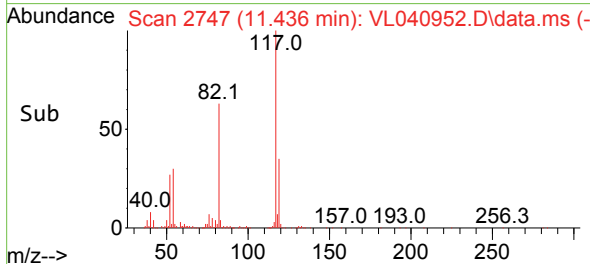
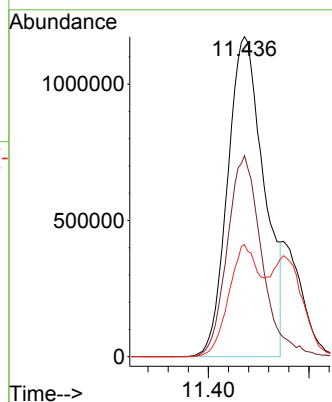
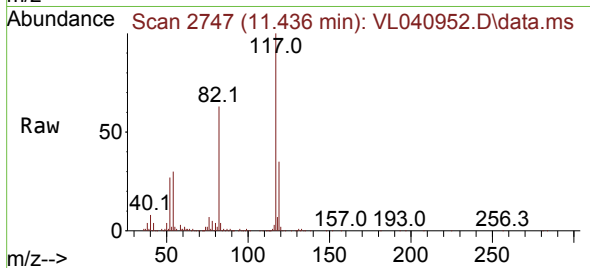




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.436 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL040952.D
Acq: 22 Dec 2023 9:26

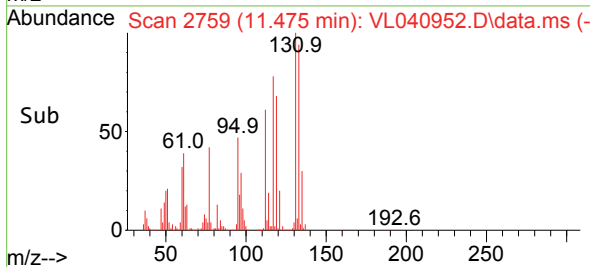
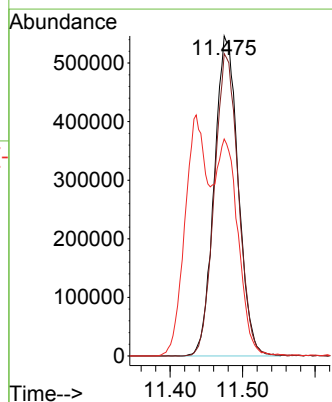
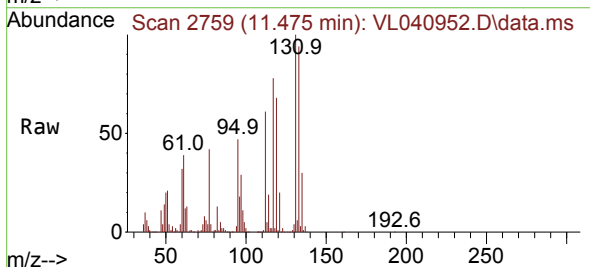
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

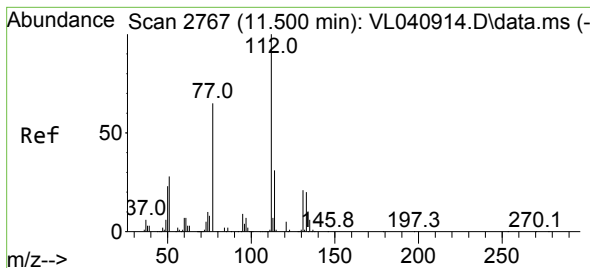
Tgt Ion:117 Resp: 2954481
Ion Ratio Lower Upper
117 100
82 60.2 49.6 74.4
119 29.5 23.4 35.0



#56
1,1,1,2-Tetrachloroethane
Concen: 9.718 ppbv
RT: 11.475 min Scan# 2759
Delta R.T. 0.000 min
Lab File: VL040952.D
Acq: 22 Dec 2023 9:26

Tgt Ion:131 Resp: 1255486
Ion Ratio Lower Upper
131 100
133 94.8 76.3 114.5
119 62.2 48.6 73.0

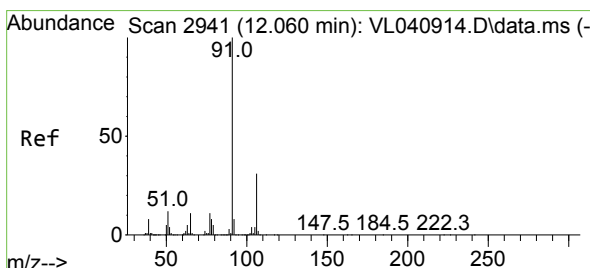
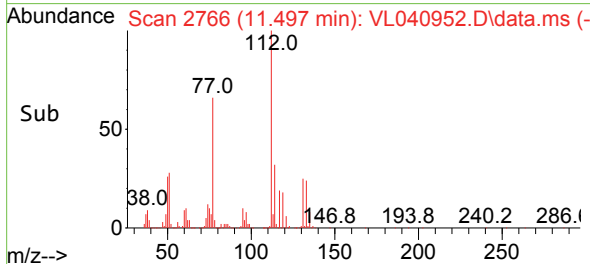
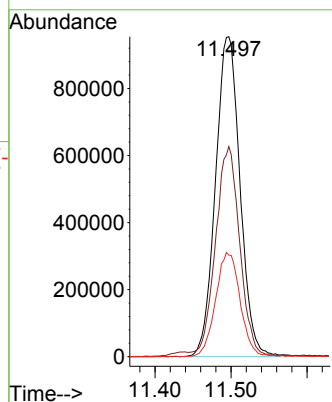
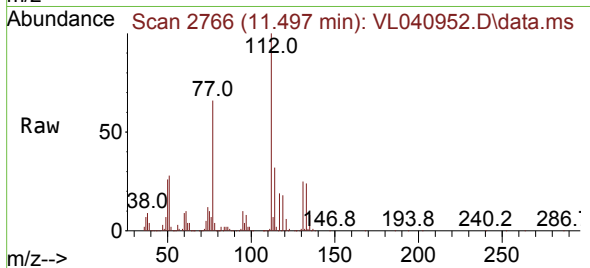




#57
Chlorobenzene
Concen: 9.836 ppbv
RT: 11.497 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL040952.D
Acq: 22 Dec 2023 9:26

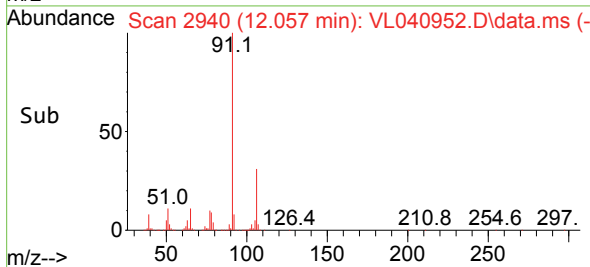
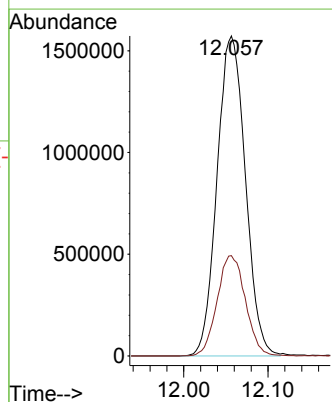
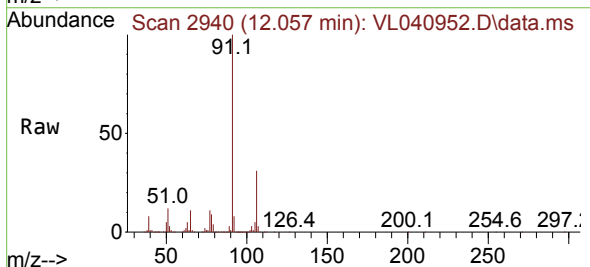
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

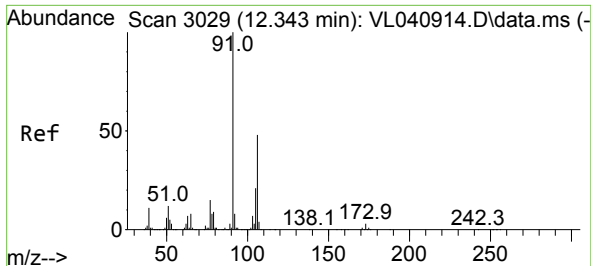
Tgt Ion:112 Resp: 2140038
Ion Ratio Lower Upper
112 100
77 65.2 52.7 79.1
114 31.8 28.4 34.7



#58
Ethyl Benzene
Concen: 9.664 ppbv
RT: 12.057 min Scan# 2940
Delta R.T. 0.000 min
Lab File: VL040952.D
Acq: 22 Dec 2023 9:26

Tgt Ion: 91 Resp: 3667318
Ion Ratio Lower Upper
91 100
106 31.3 24.9 37.3





#59

m/p-Xylene

Concen: 9.854 ppbv

RT: 12.336 min Scan# 3029

Delta R.T. 0.000 min

Lab File: VL040952.D

Acq: 22 Dec 2023 9:26

Instrument :

MSVOA_L

ClientSampleId :

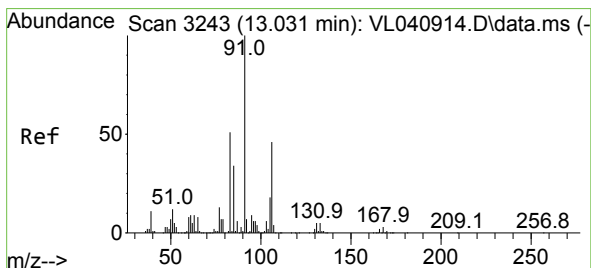
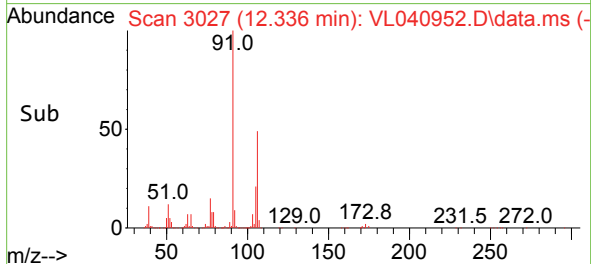
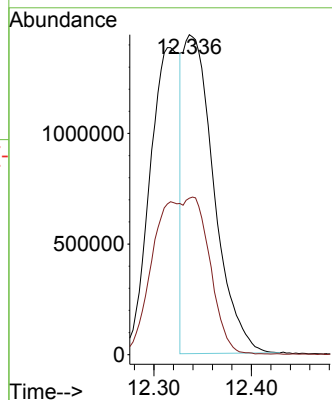
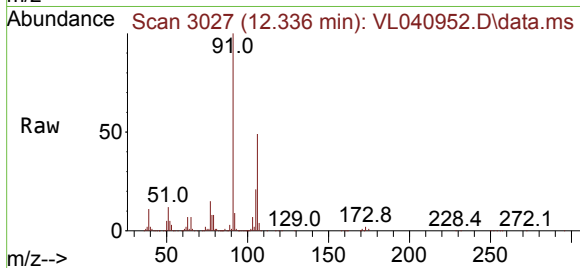
VSTDCCC010

Tgt Ion: 91 Resp: 3180760

Ion Ratio Lower Upper

91 100

106 89.3 0.0 0.0#



#60

o-Xylene

Concen: 9.552 ppbv

RT: 13.024 min Scan# 3241

Delta R.T. 0.000 min

Lab File: VL040952.D

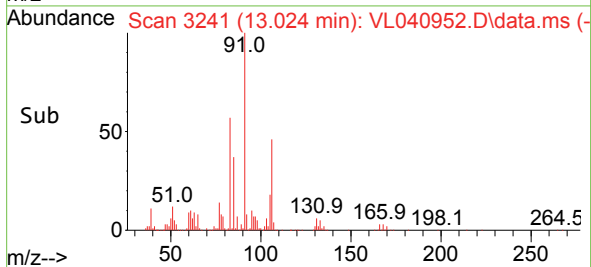
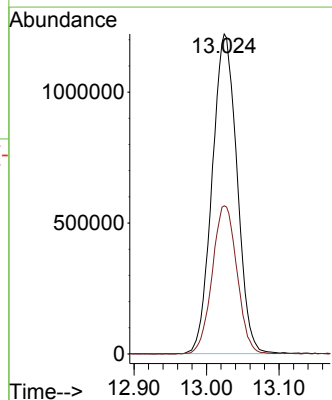
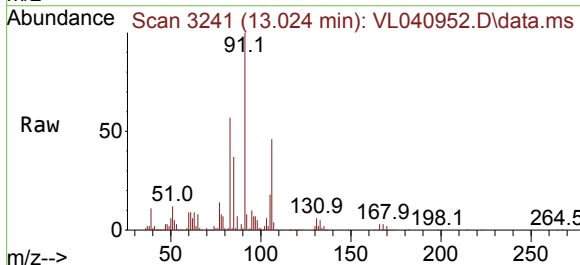
Acq: 22 Dec 2023 9:26

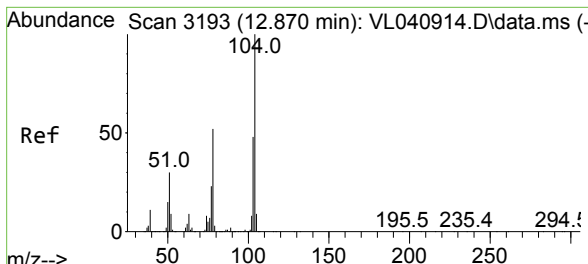
Tgt Ion: 91 Resp: 2905087

Ion Ratio Lower Upper

91 100

106 46.4 22.6 67.7



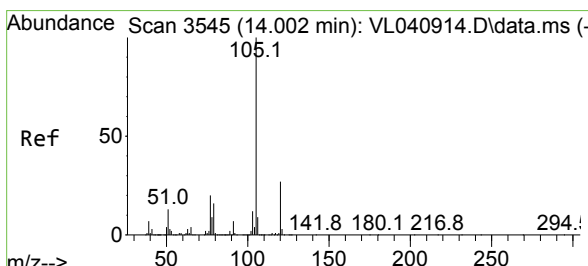
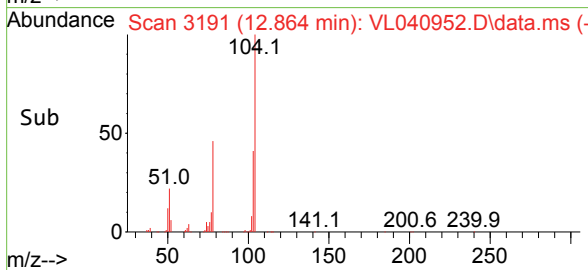
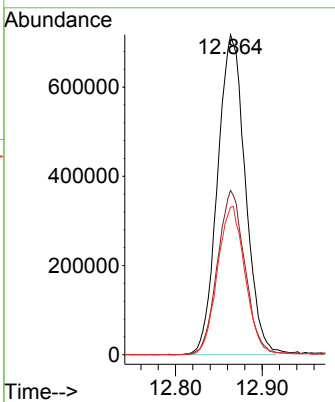
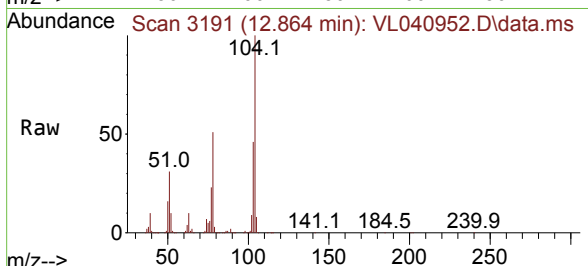


#61
 Styrene
 Concen: 11.025 ppbv
 RT: 12.864 min Scan# 3191
 Delta R.T. 0.000 min
 Lab File: VL040952.D
 Acq: 22 Dec 2023 9:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:104 Resp: 1593905

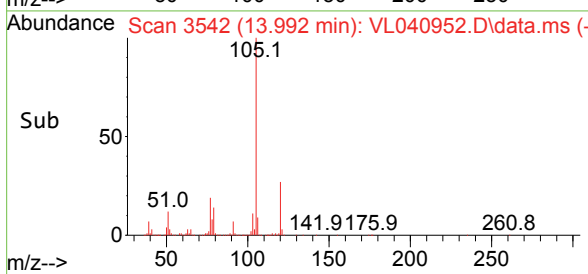
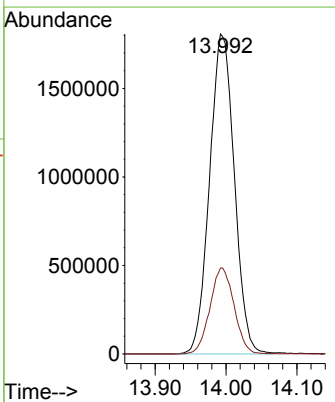
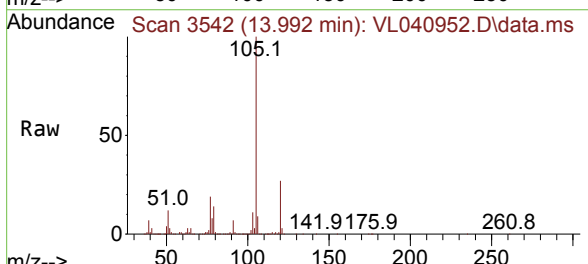
Ion	Ratio	Lower	Upper
104	100		
78	51.3	43.0	64.4
103	46.5	37.6	56.4

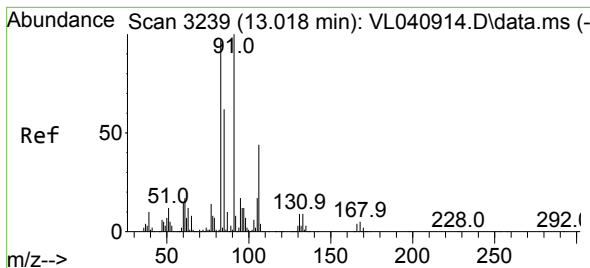


#62
 Isopropylbenzene
 Concen: 9.730 ppbv
 RT: 13.992 min Scan# 3542
 Delta R.T. 0.000 min
 Lab File: VL040952.D
 Acq: 22 Dec 2023 9:26

Tgt Ion:105 Resp: 4388125

Ion	Ratio	Lower	Upper
105	100		
120	26.3	20.7	31.1

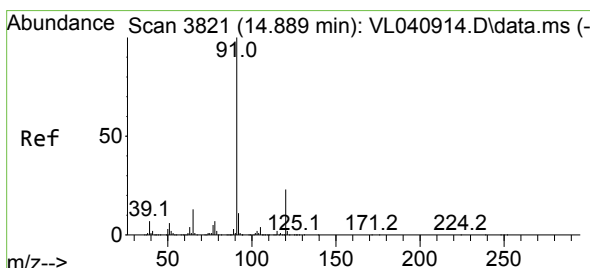
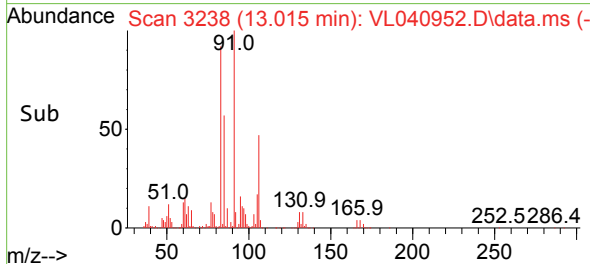
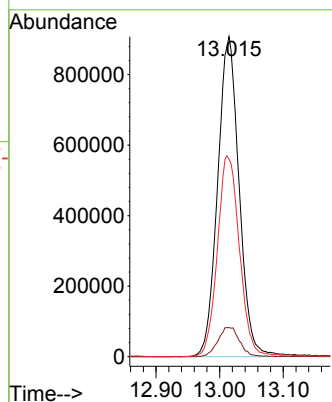
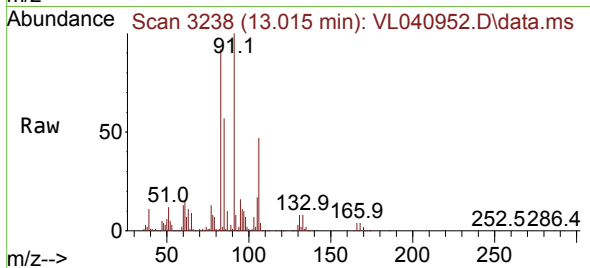




#63
1,1,2,2-Tetrachloroethane
Concen: 9.704 ppbv
RT: 13.015 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL040952.D
Acq: 22 Dec 2023 9:26

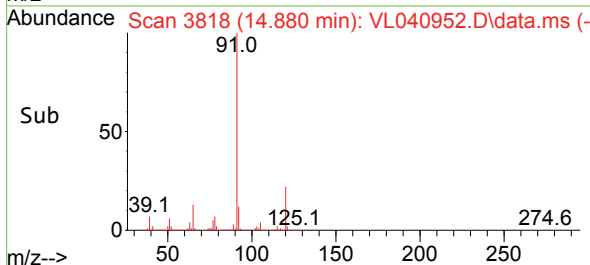
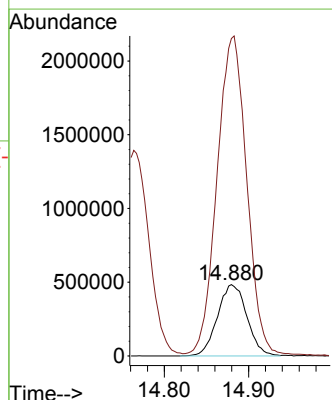
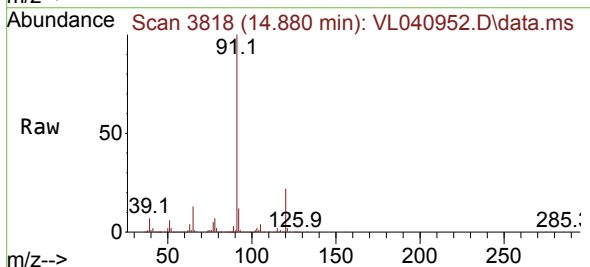
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

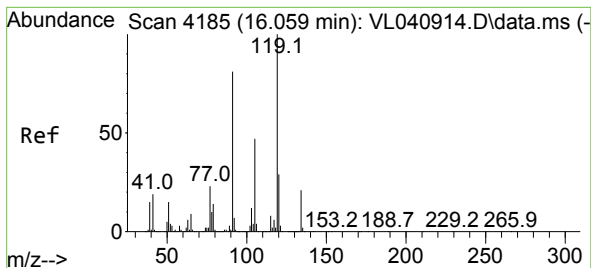
Tgt Ion: 83 Resp: 2126095
Ion Ratio Lower Upper
83 100
131 9.4 4.7 14.0
85 65.2 32.6 98.0



#64
n-propylbenzene
Concen: 10.364 ppbv
RT: 14.880 min Scan# 3818
Delta R.T. 0.000 min
Lab File: VL040952.D
Acq: 22 Dec 2023 9:26

Tgt Ion: 120 Resp: 1172444
Ion Ratio Lower Upper
120 100
91 454.8 381.9 572.9

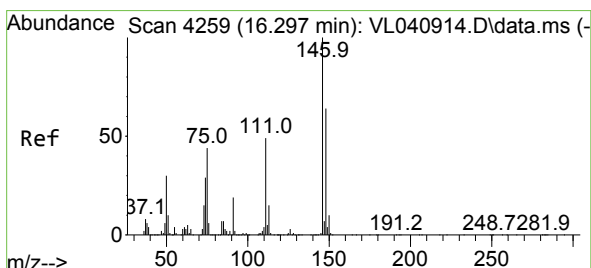
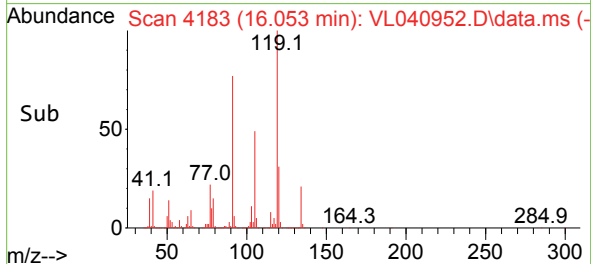
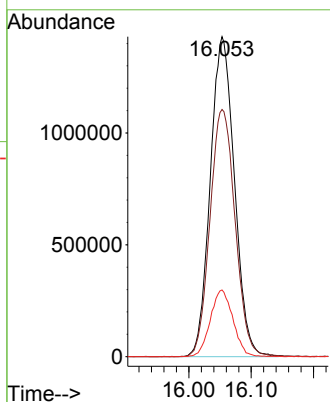
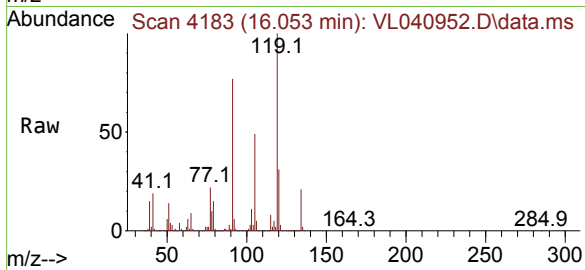




#65
tert-Butylbenzene
Concen: 10.030 ppbv
RT: 16.053 min Scan# 4185
Delta R.T. 0.000 min
Lab File: VL040952.D
Acq: 22 Dec 2023 9:26

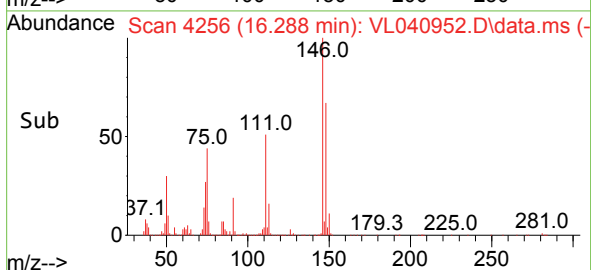
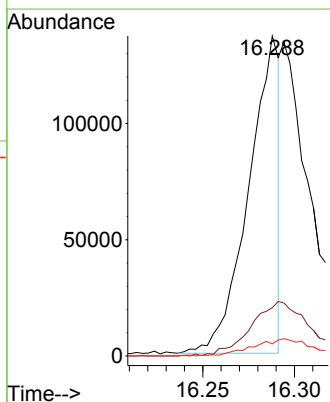
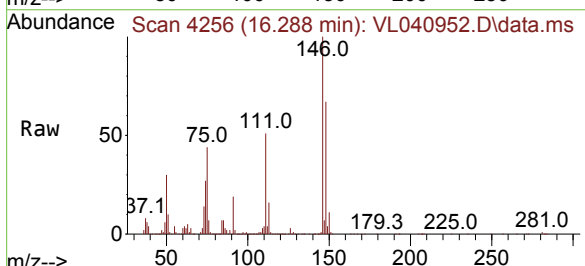
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

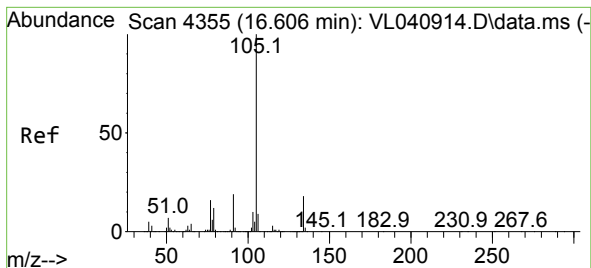
Tgt Ion:119 Resp: 3845357
Ion Ratio Lower Upper
119 100
91 80.5 67.2 100.8
134 19.7 15.8 23.6



#66
Benzyl Chloride
Concen: 6.029 ppbv
RT: 16.288 min Scan# 4256
Delta R.T. 0.000 min
Lab File: VL040952.D
Acq: 22 Dec 2023 9:26

Tgt Ion: 91 Resp: 158166
Ion Ratio Lower Upper
91 100
126 0.0 14.1 21.1#
128 0.0 4.6 6.8#





#67

sec-Butylbenzene

Concen: 9.706 ppbv

RT: 16.600 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL040952.D

Acq: 22 Dec 2023 9:26

Instrument :

MSVOA_L

ClientSampleId :

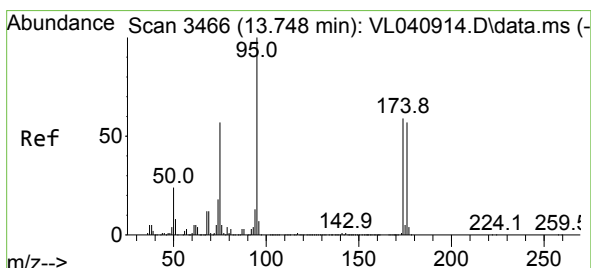
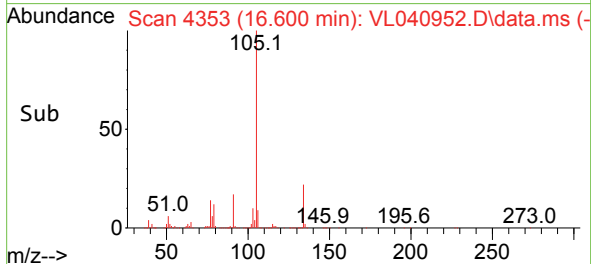
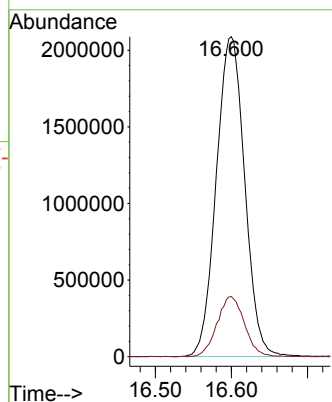
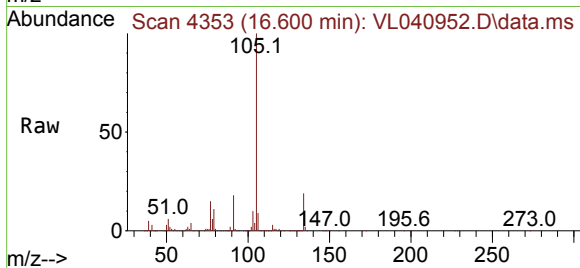
VSTDCCC010

Tgt Ion:105 Resp: 5407463

Ion Ratio Lower Upper

105 100

134 18.3 14.4 21.6



#68

1-Bromo-4-Fluorobenzene

Concen: 9.485 ppbv

RT: 13.738 min Scan# 3463

Delta R.T. 0.000 min

Lab File: VL040952.D

Acq: 22 Dec 2023 9:26

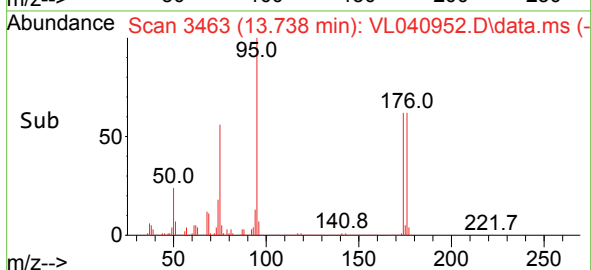
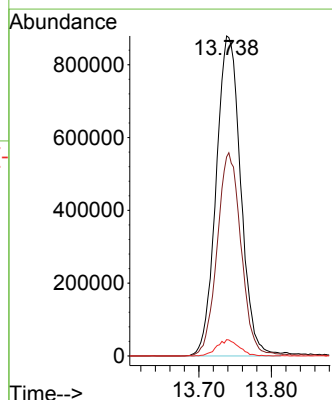
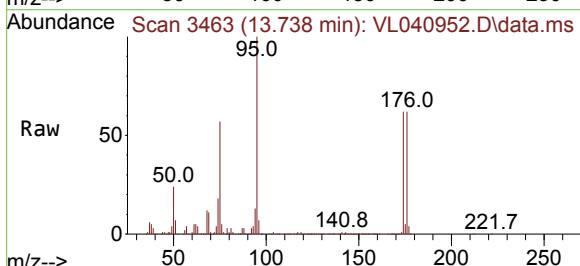
Tgt Ion: 95 Resp: 2064253

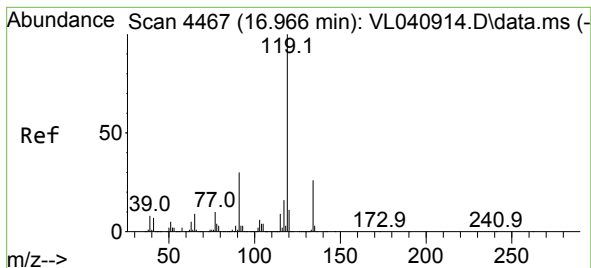
Ion Ratio Lower Upper

95 100

174 62.4 48.0 72.0

175 4.7 3.7 5.5





#69

p-Isopropyltoluene

Concen: 10.226 ppbv

RT: 16.960 min Scan# 4467

Delta R.T. 0.000 min

Lab File: VL040952.D

Acq: 22 Dec 2023 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

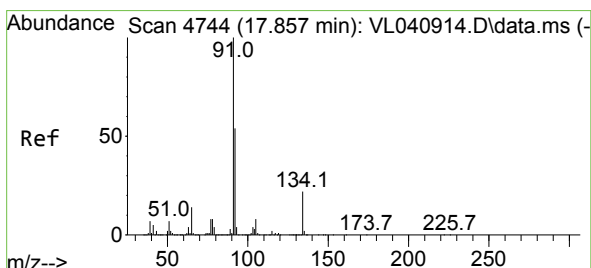
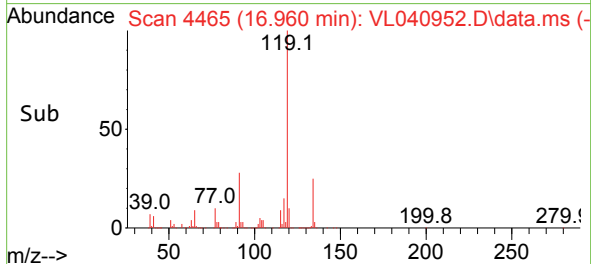
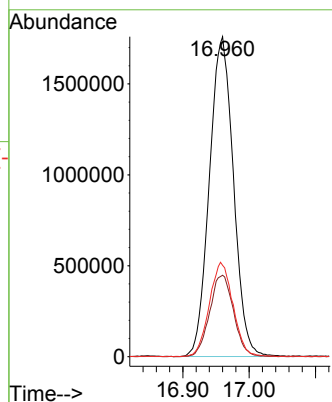
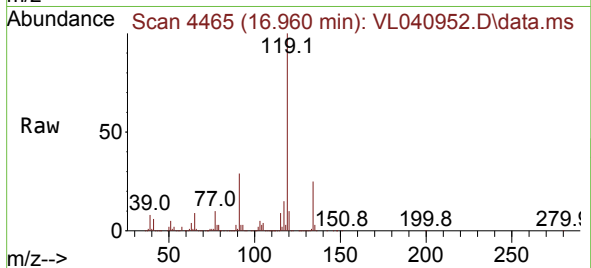
Tgt Ion:119 Resp: 4428181

Ion Ratio Lower Upper

119 100

134 25.4 20.3 30.5

91 29.0 24.1 36.1



#70

n-Butylbenzene

Concen: 10.083 ppbv

RT: 17.851 min Scan# 4742

Delta R.T. 0.000 min

Lab File: VL040952.D

Acq: 22 Dec 2023 9:26

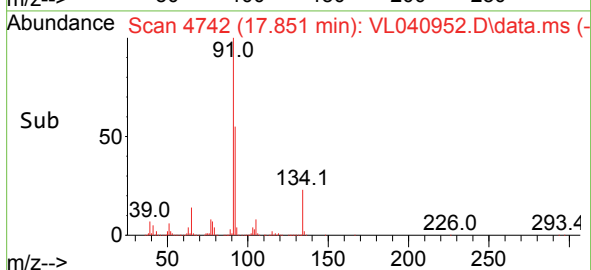
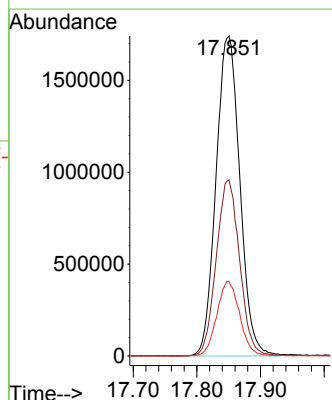
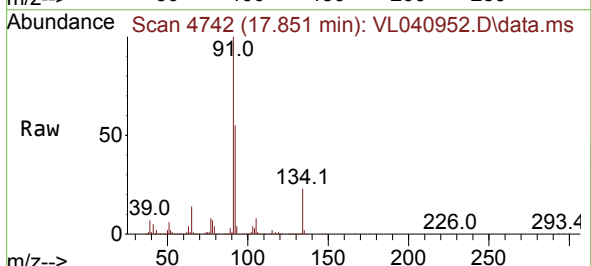
Tgt Ion: 91 Resp: 4533101

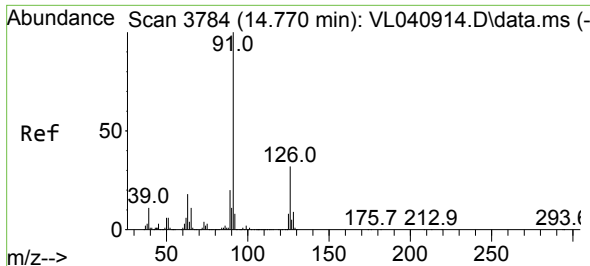
Ion Ratio Lower Upper

91 100

92 54.3 43.4 65.0

134 22.5 17.6 26.4

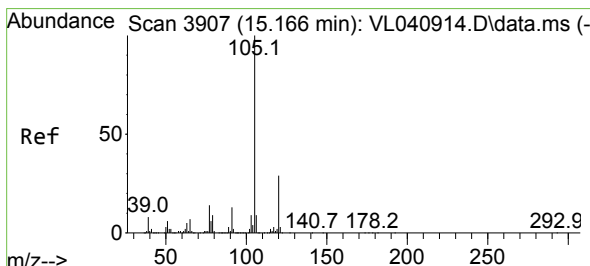
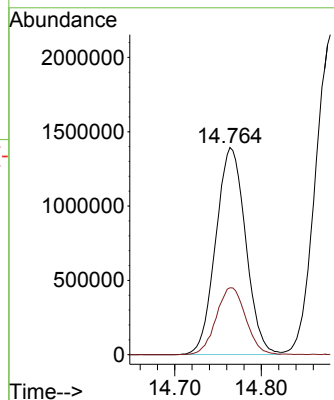
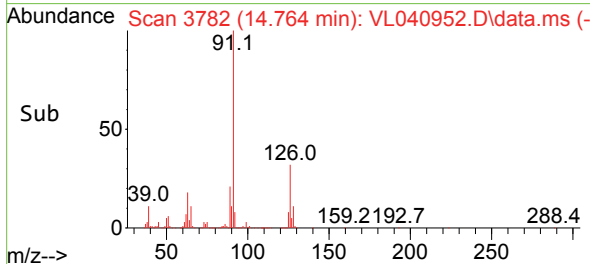
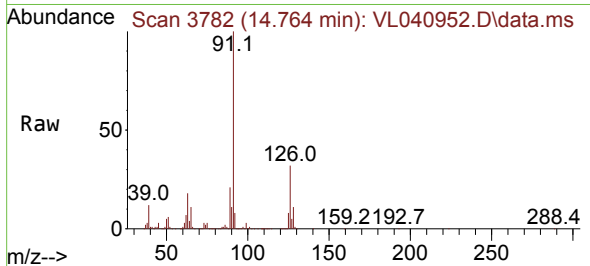




#71
2-Chlorotoluene
Concen: 9.605 ppbv
RT: 14.764 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL040952.D
Acq: 22 Dec 2023 9:26

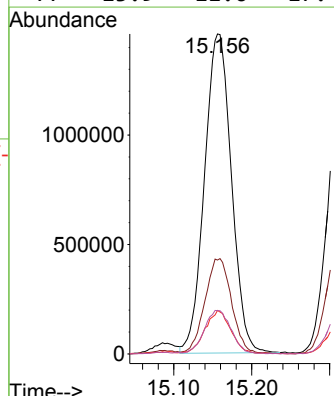
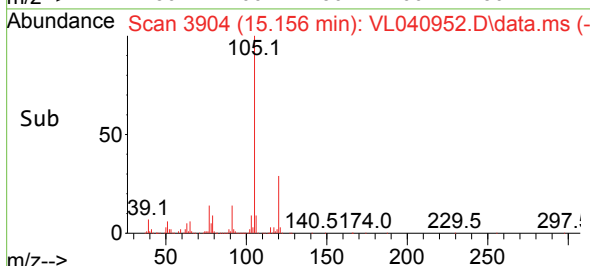
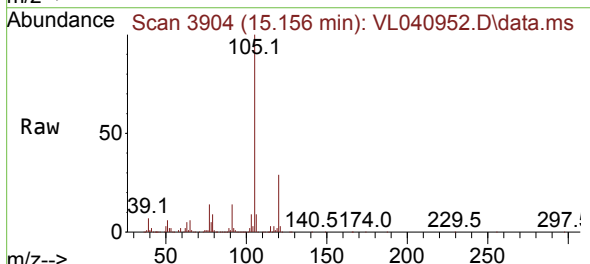
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

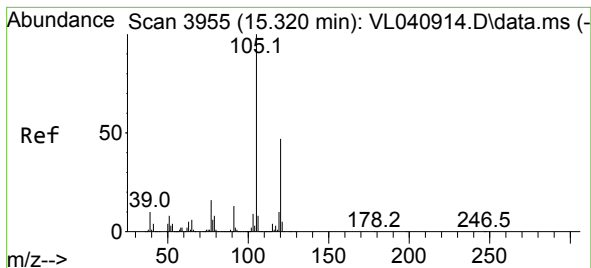
Tgt Ion: 91 Resp: 3336157
Ion Ratio Lower Upper
91 100
126 32.2 12.4 49.6



#72
4-Ethyltoluene
Concen: 10.489 ppbv
RT: 15.156 min Scan# 3904
Delta R.T. 0.000 min
Lab File: VL040952.D
Acq: 22 Dec 2023 9:26

Tgt Ion:105 Resp: 3501049
Ion Ratio Lower Upper
105 100
120 29.9 23.8 35.8
91 13.1 10.9 16.3
77 13.9 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 10.280 ppbv

RT: 15.317 min Scan# 3955

Delta R.T. 0.000 min

Lab File: VL040952.D

Acq: 22 Dec 2023 9:26

Instrument :

MSVOA_L

ClientSampleId :

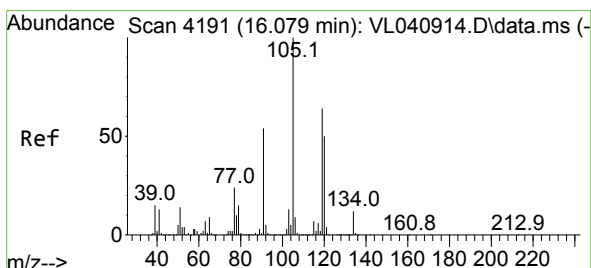
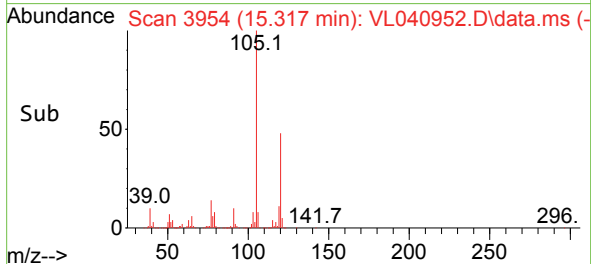
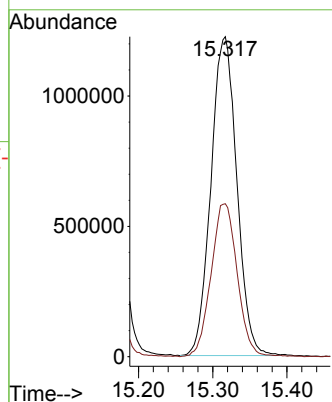
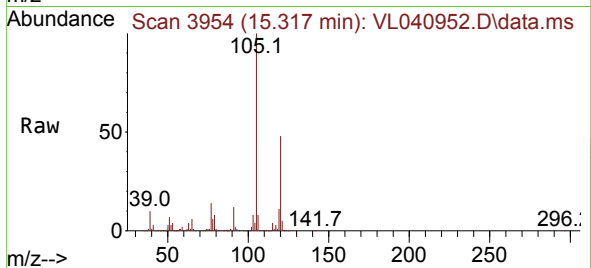
VSTDCCC010

Tgt Ion:105 Resp: 2961627

Ion Ratio Lower Upper

105 100

120 48.0 37.8 56.8



#74

1,2,4-Trimethylbenzene

Concen: 10.114 ppbv

RT: 16.072 min Scan# 4189

Delta R.T. 0.000 min

Lab File: VL040952.D

Acq: 22 Dec 2023 9:26

Tgt Ion:105 Resp: 3242783

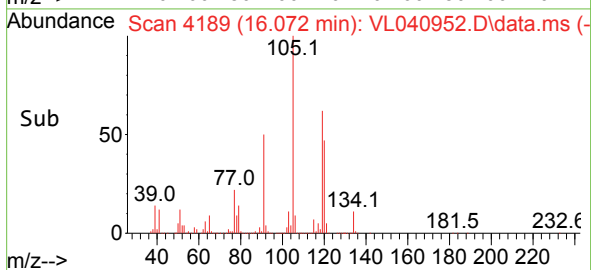
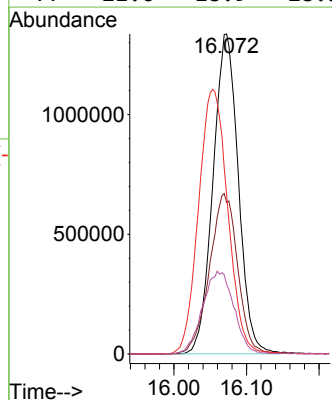
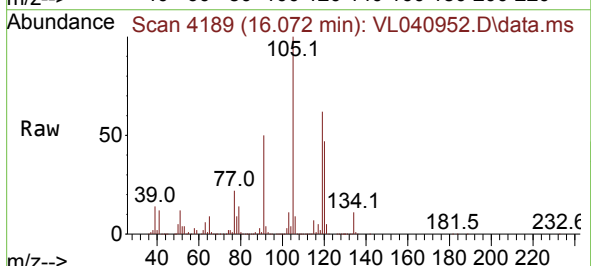
Ion Ratio Lower Upper

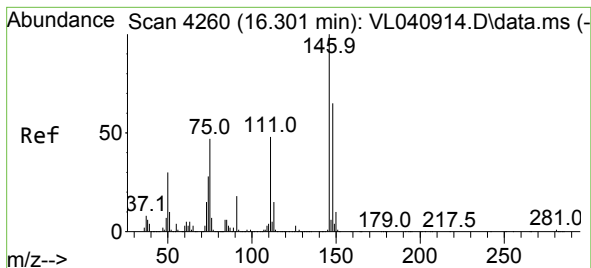
105 100

120 47.0 40.2 60.4

91 49.6 43.0 64.6

77 21.6 18.9 28.3





#75

1,3-Dichlorobenzene

Concen: 10.333 ppbv

RT: 16.294 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL040952.D

Acq: 22 Dec 2023 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

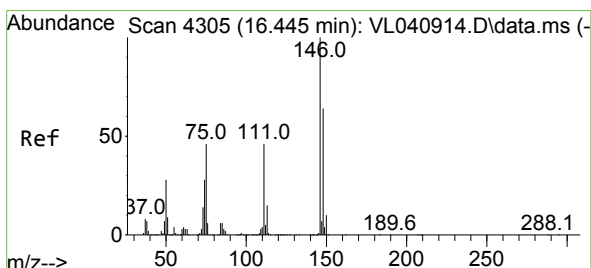
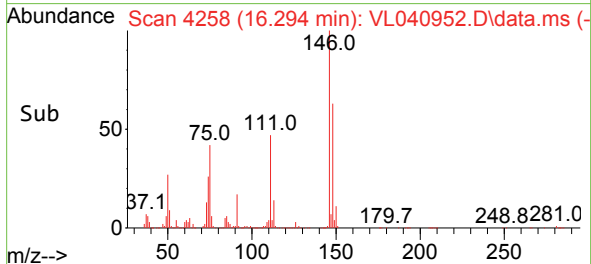
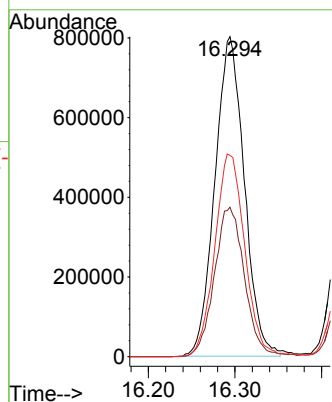
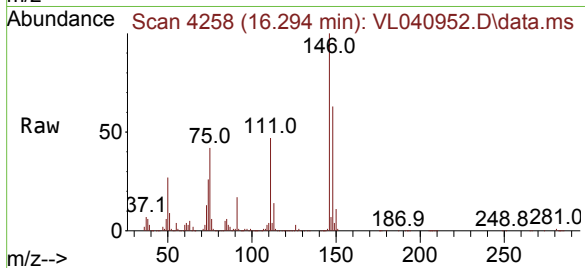
Tgt Ion:146 Resp: 1892432

Ion Ratio Lower Upper

146 100

111 48.0 24.7 74.1

148 65.1 32.1 96.5



#76

1,4-Dichlorobenzene

Concen: 10.397 ppbv

RT: 16.436 min Scan# 4302

Delta R.T. 0.000 min

Lab File: VL040952.D

Acq: 22 Dec 2023 9:26

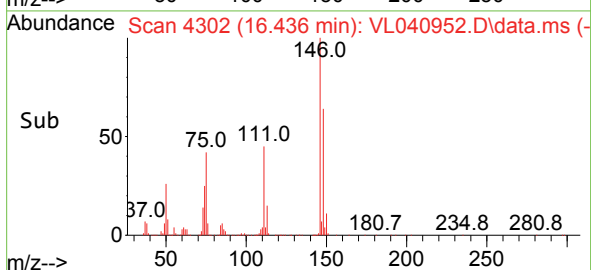
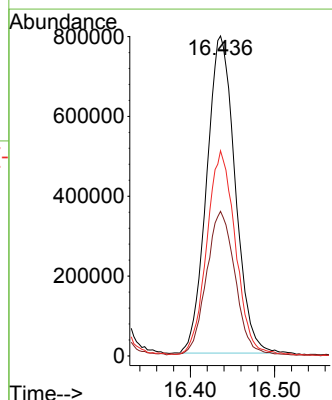
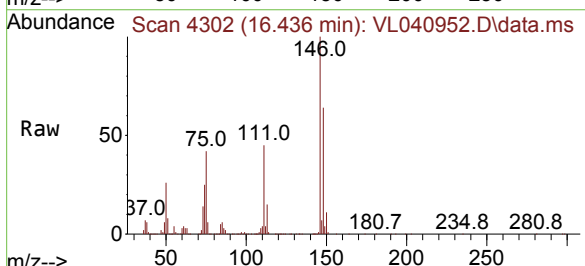
Tgt Ion:146 Resp: 1862702

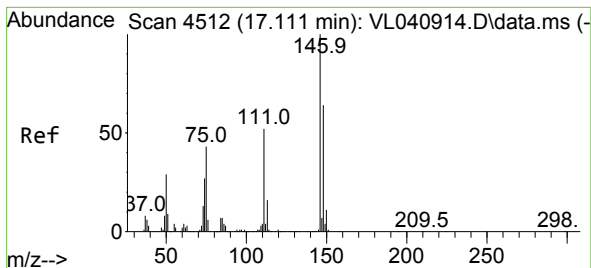
Ion Ratio Lower Upper

146 100

111 46.6 24.1 72.4

148 66.1 33.2 99.6





#77

1,2-Dichlorobenzene

Concen: 10.419 ppbv

RT: 17.108 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL040952.D

Acq: 22 Dec 2023 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

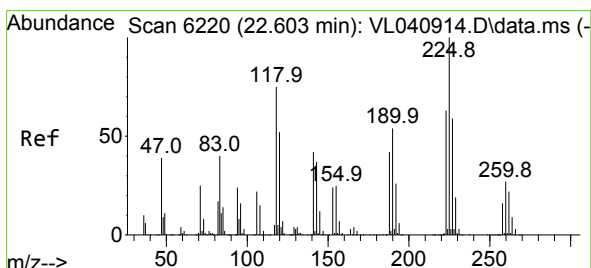
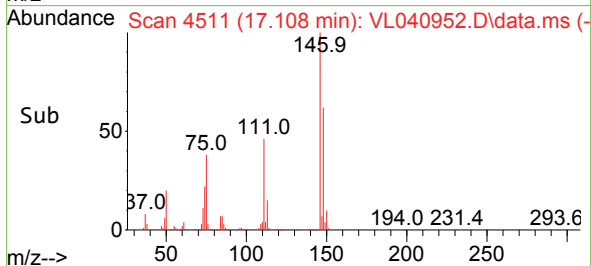
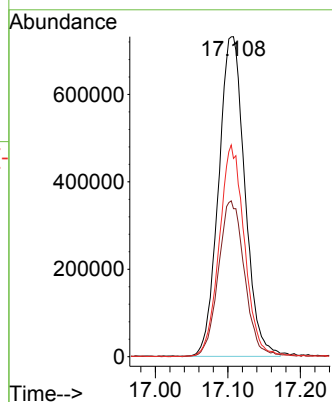
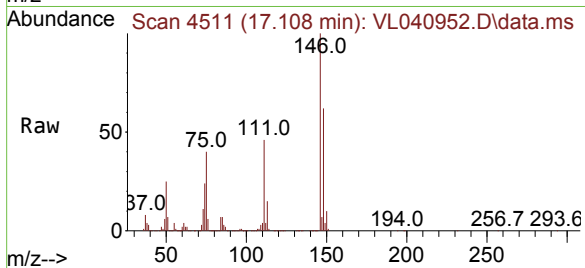
Tgt Ion:146 Resp: 1838260

Ion Ratio Lower Upper

146 100

111 48.4 25.5 76.5

148 63.9 32.2 96.6



#78

Hexachloro-1,3-Butadiene

Concen: 9.043 ppbv

RT: 22.590 min Scan# 6216

Delta R.T. 0.000 min

Lab File: VL040952.D

Acq: 22 Dec 2023 9:26

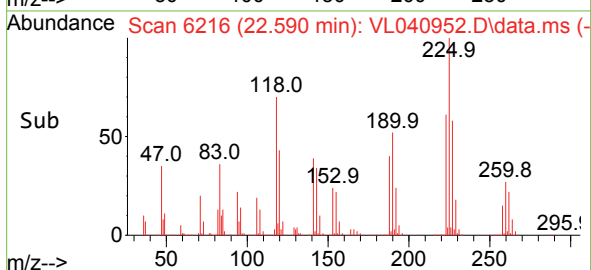
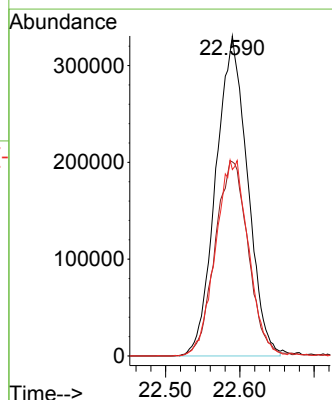
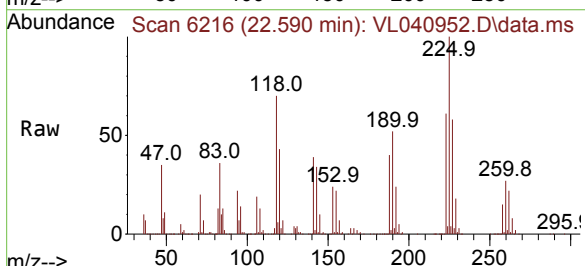
Tgt Ion:225 Resp: 981296

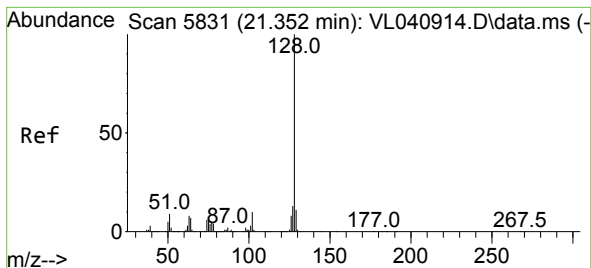
Ion Ratio Lower Upper

225 100

223 64.1 51.5 77.3

227 64.3 51.7 77.5





#79

Naphthalene

Concen: 13.935 ppbv

RT: 21.339 min Scan# 5827

Delta R.T. 0.000 min

Lab File: VL040952.D

Acq: 22 Dec 2023 9:26

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

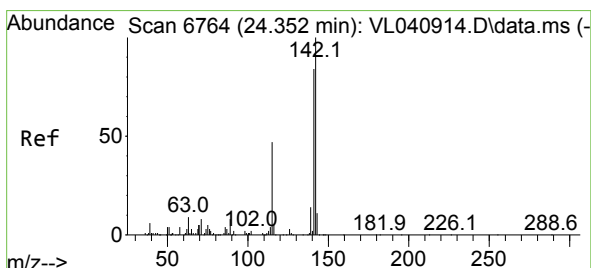
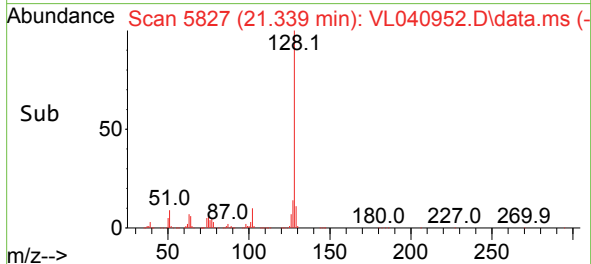
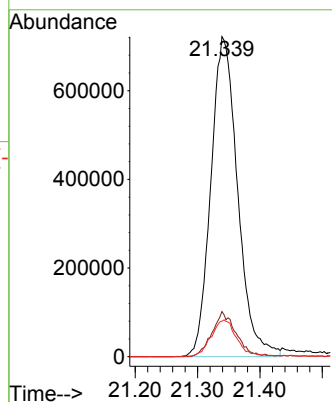
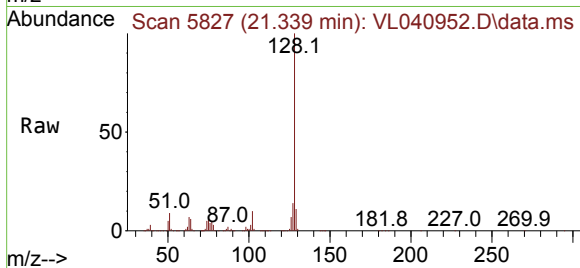
Tgt Ion:128 Resp: 2152787

Ion Ratio Lower Upper

128 100

127 14.0 10.6 15.8

129 11.1 8.7 13.1



#80

Naphthalene,2-methyl-

Concen: 11.340 ppbv

RT: 24.345 min Scan# 6762

Delta R.T. 0.000 min

Lab File: VL040952.D

Acq: 22 Dec 2023 9:26

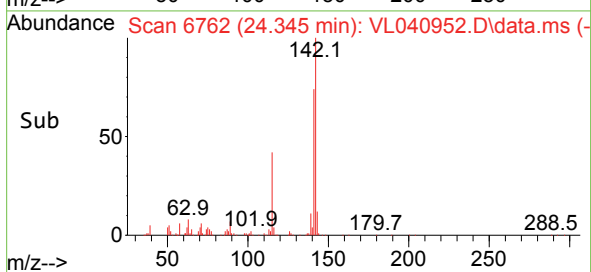
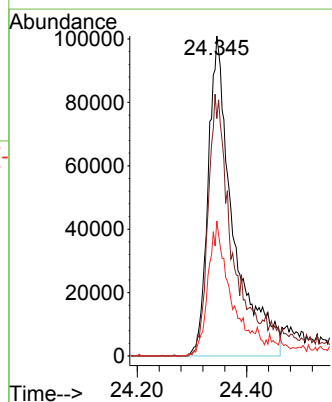
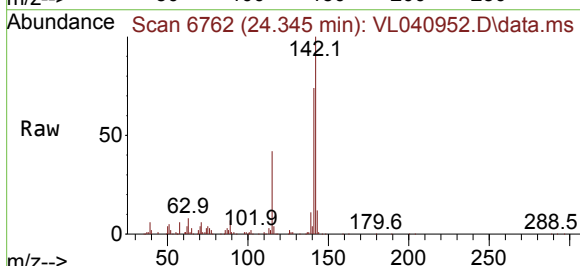
Tgt Ion:142 Resp: 320199

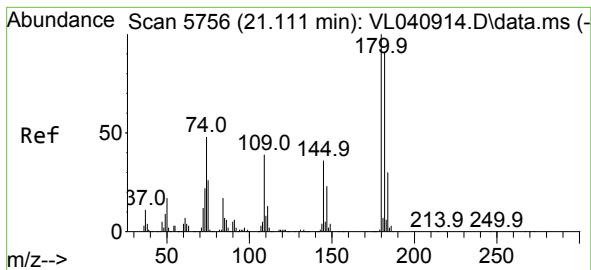
Ion Ratio Lower Upper

142 100

141 93.2 68.5 102.7

115 39.5 34.5 51.7





#81
 1,2,4-Trichlorobenzene
 Concen: 11.861 ppbv
 RT: 21.101 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VL040952.D
 Acq: 22 Dec 2023 9:26

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:180 Resp: 1052007

Ion	Ratio	Lower	Upper
180	100		
182	99.0	79.4	119.0
184	31.2	24.5	36.7

