

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012424\
 Data File : VL041011.D
 Acq On : 24 Jan 2024 11:24
 Operator : SY/MD
 Sample : VSTDC0010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDC0010

Quant Time: Jan 25 03:16:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Jan 25 03:13:06 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.156	49	1105276	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.616	114	2846888	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.430	117	2662768	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.738	95	2039974	10.143	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.400%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.700	85	1971354	8.075	ppbv	97
3) Chlorodifluoromethane	2.645	51	1670100	8.984	ppbv	100
4) Chloromethane	2.784	50	640630	9.194	ppbv	99
5) Vinyl Chloride	2.890	62	660196	9.664	ppbv	99
6) Bromomethane	3.089	94	281980	9.480	ppbv	93
7) Chloroethane	3.166	64	237093	9.638	ppbv	98
8) Dichlorotetrafluoroethane	2.825	85	1622895	8.899	ppbv	98
9) Propene	2.665	41	569224	9.335	ppbv	96
10) Heptane	7.542	43	1428419	9.518	ppbv	100
11) Trichlorofluoromethane	3.530	101	1791104	9.105	ppbv	100
12) 1,1,2-Trichlorotrifluo...	4.031	101	1276761	8.956	ppbv	98
13) Ethanol	3.208	45	118141	8.129	ppbv	96
14) Bromoethene	3.333	108	528831	9.661	ppbv	99
15) Acetone	3.436	43	1209256	8.556	ppbv	99
16) 1,3-Butadiene	2.954	39	628370	9.293	ppbv	99
17) tert-Butyl alcohol	3.845	59	1102036	9.506	ppbv	99
18) 1,1-Dichloroethene	3.848	96	570922	9.354	ppbv	96
19) Isopropyl Alcohol	3.546	45	726186	8.876	ppbv	100
20) Methylene Chloride	3.899	84	474080	8.717	ppbv	98
21) Allyl Chloride	3.964	41	817019	9.514	ppbv	99
22) trans-1,2-Dichloroethene	4.411	96	587749	9.352	ppbv	99
23) Vinyl Acetate	4.594	43	1456149	9.994	ppbv	99
24) 1,1-Dichloroethane	4.529	63	1197688	9.267	ppbv	99
25) Ethyl Acetate	5.166	43	2398985	9.360	ppbv	100
26) Hexane	5.179	57	1037957	9.502	ppbv	98
27) Carbon Disulfide	4.092	76	1428375	10.048	ppbv	98
28) Methyl tert-Butyl Ether	4.552	73	848104	9.354	ppbv	98
29) Chloroform	5.240	83	1797344	9.276	ppbv	99
30) Cyclohexane	6.565	84	905818	9.897	ppbv	98
31) cis-1,2-Dichloroethene	5.044	61	917390	8.948	ppbv	98
32) 1,1,1-Trichloroethane	5.970	97	1775304	9.587	ppbv	99
34) 2-Butanone	4.751	43	1323715	9.760	ppbv	100
35) Carbon Tetrachloride	6.459	117	1898055	9.998	ppbv	100
36) Benzene	6.333	78	2256523	9.597	ppbv	98
37) 1,2-Dichloroethane	5.774	62	1378345	9.606	ppbv	99
38) Trichloroethene	7.253	130	890551	9.448	ppbv	98
39) 1,2-Dichloropropane	7.037	63	877142	9.470	ppbv	99
40) 1,4-Dioxane	7.250	88	344241	8.948	ppbv	87
41) Tetrahydrofuran	5.520	42	920562	9.996	ppbv	99
42) Bromodichloromethane	7.214	83	2003213	9.758	ppbv	99
43) Methyl Methacrylate	7.439	69	949623	10.467	ppbv	100
44) 2,2,4-Trimethylpentane	7.291	57	3702233	9.358	ppbv	100
45) t-1,3-Dichloropropene	8.674	75	700945	11.307	ppbv	98

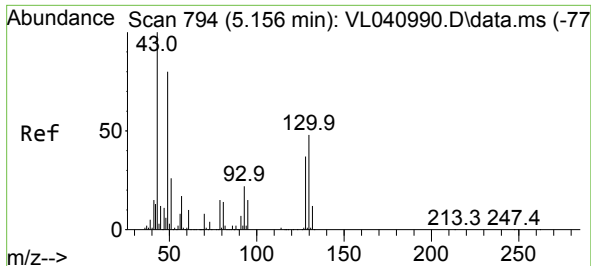
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 Data File : VL041011.D
 Acq On : 24 Jan 2024 11:24
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Jan 25 03:16:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Jan 25 03:13:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.105	75	826725	10.694	ppbv	98
47) 1,1,2-Trichloroethane	8.861	97	952587	9.542	ppbv	98
48) Dibromochloromethane	9.671	129	1713344	10.151	ppbv	99
49) Bromoform	12.372	173	1401807	10.588	ppbv	99
50) 4-Methyl-2-Pentanone	8.143	43	2403986	10.065	ppbv	100
51) 2-Hexanone	9.513	43	1771665	10.290	ppbv	99
52) Tetrachloroethene	10.574	164	781870	10.014	ppbv	98
53) Toluene	9.182	91	2597348	10.084	ppbv	100
54) 1,2-Dibromoethane	9.973	107	1385249	10.245	ppbv	95
56) 1,1,1,2-Tetrachloroethane	11.468	131	1239123	9.699	ppbv	99
57) Chlorobenzene	11.487	112	2053381	9.587	ppbv	98
58) Ethyl Benzene	12.050	91	3530528	9.874	ppbv	99
59) m/p-Xylene	12.333	91	3528525	11.318	ppbv #	50
60) o-Xylene	13.024	91	2901527	9.700	ppbv	100
61) Styrene	12.860	104	1504272	10.952	ppbv	99
62) Isopropylbenzene	13.992	105	4227305	9.556	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.011	83	2137053	9.193	ppbv	99
64) n-propylbenzene	14.880	120	1092560	9.776	ppbv	99
65) tert-Butylbenzene	16.053	119	3737276	9.670	ppbv	99
66) Benzyl Chloride	16.291	91	272862	10.774	ppbv	99
67) sec-Butylbenzene	16.597	105	5284785	9.391	ppbv	100
69) p-Isopropyltoluene	16.957	119	4272226	9.800	ppbv	100
70) n-Butylbenzene	17.847	91	4522111	9.600	ppbv	100
71) 2-Chlorotoluene	14.761	91	3290740	9.641	ppbv	100
72) 4-Ethyltoluene	15.153	105	3344172	10.011	ppbv	100
73) 1,3,5-Trimethylbenzene	15.314	105	2880156	9.715	ppbv	99
74) 1,2,4-Trimethylbenzene	16.069	105	3182241	9.468	ppbv	95
75) 1,3-Dichlorobenzene	16.291	146	1834662	9.592	ppbv	100
76) 1,4-Dichlorobenzene	16.433	146	1771283	9.385	ppbv	99
77) 1,2-Dichlorobenzene	17.105	146	1775835	9.341	ppbv	99
78) Hexachloro-1,3-Butadiene	22.590	225	1025582	8.365	ppbv	100
79) Naphthalene	21.339	128	2404709	12.542	ppbv	98
80) Naphthalene,2-methyl-	24.342	142	484398	14.385	ppbv	92
81) 1,2,4-Trichlorobenzene	21.098	180	1159422	10.365	ppbv	100

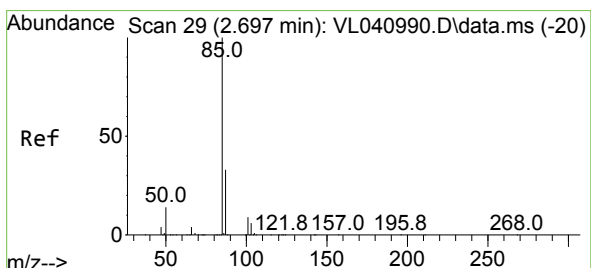
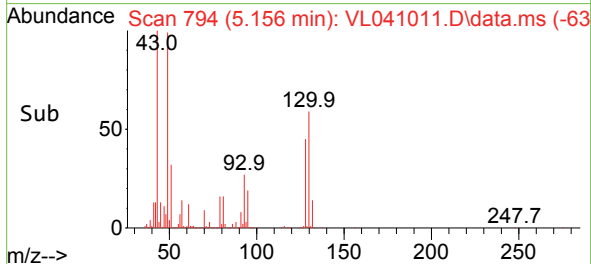
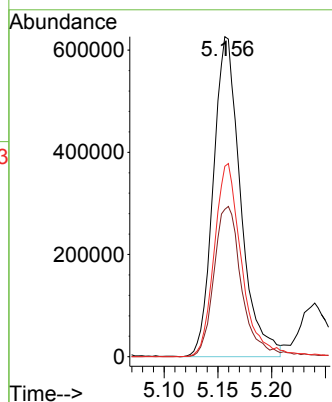
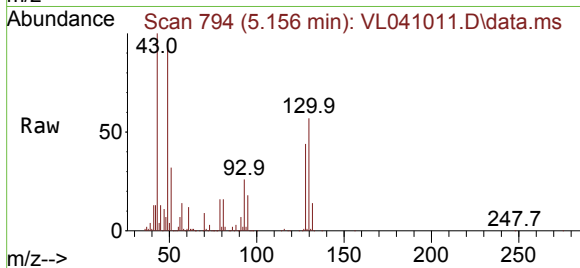
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.156 min Scan# 794
Delta R.T. 0.000 min
Lab File: VL041011.D
Acq: 24 Jan 2024 11:24

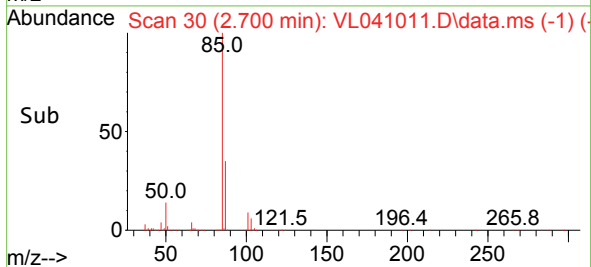
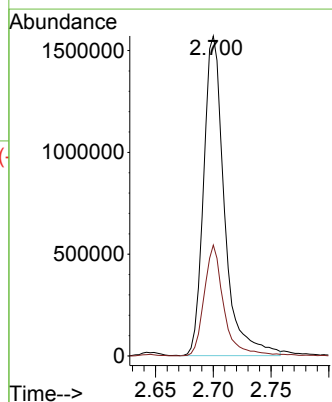
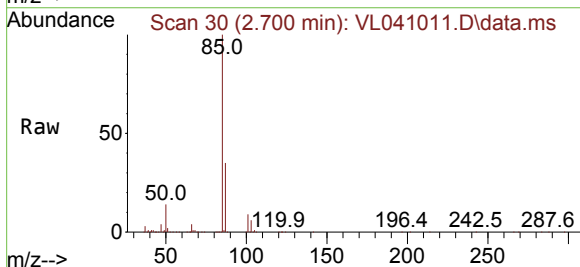
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

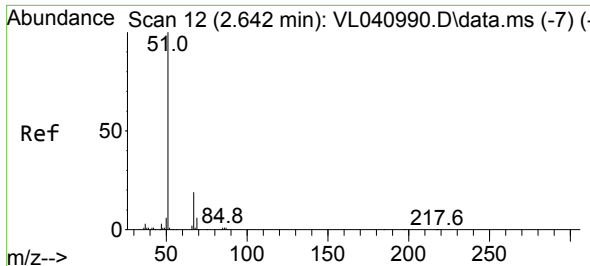
Tgt Ion: 49 Resp: 1105276
Ion Ratio Lower Upper
49 100
128 48.6 23.9 71.7
130 61.7 31.1 93.5



#2
Dichlorodifluoromethane
Concen: 8.075 ppbv
RT: 2.700 min Scan# 30
Delta R.T. 0.000 min
Lab File: VL041011.D
Acq: 24 Jan 2024 11:24

Tgt Ion: 85 Resp: 1971354
Ion Ratio Lower Upper
85 100
87 34.6 26.3 39.5

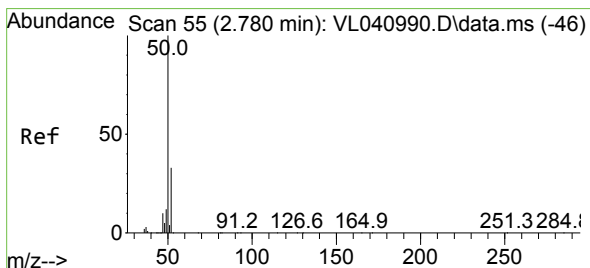
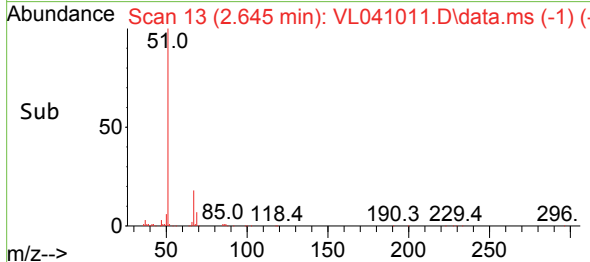
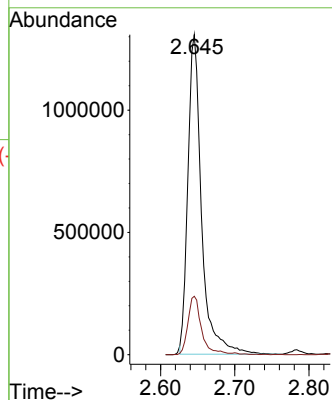
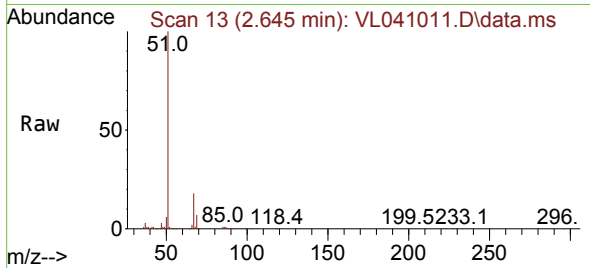




#3
Chlorodifluoromethane
Concen: 8.984 ppbv
RT: 2.645 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL041011.D
Acq: 24 Jan 2024 11:24

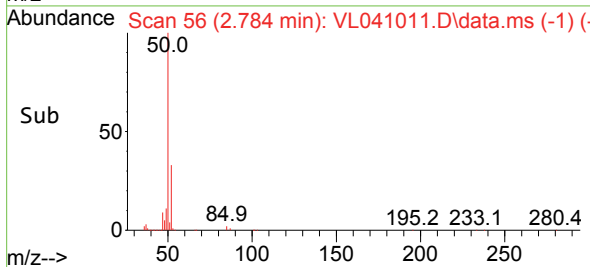
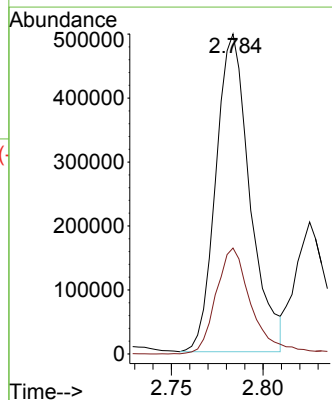
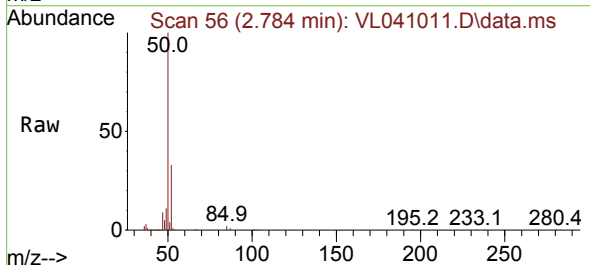
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ClientSampleId :
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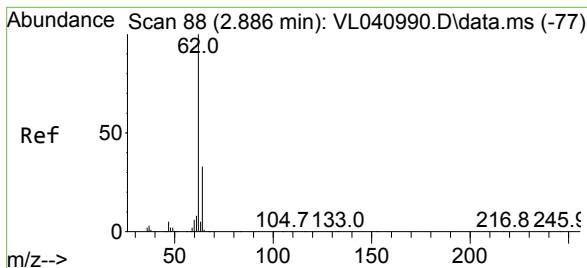
Tgt Ion: 51 Resp: 1670100
Ion Ratio Lower Upper
51 100
67 18.5 14.8 22.2



#4
Chloromethane
Concen: 9.194 ppbv
RT: 2.784 min Scan# 56
Delta R.T. 0.000 min
Lab File: VL041011.D
Acq: 24 Jan 2024 11:24

Tgt Ion: 50 Resp: 640630
Ion Ratio Lower Upper
50 100
52 33.3 26.2 39.4

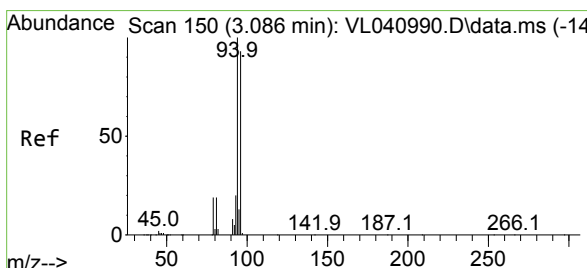
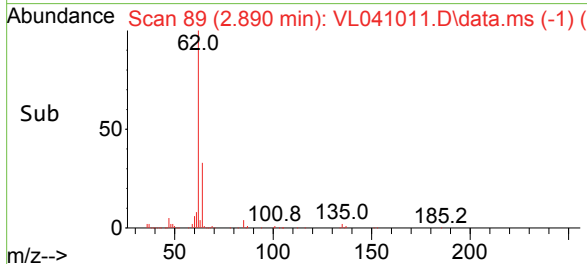
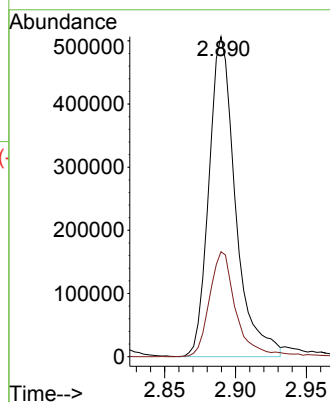
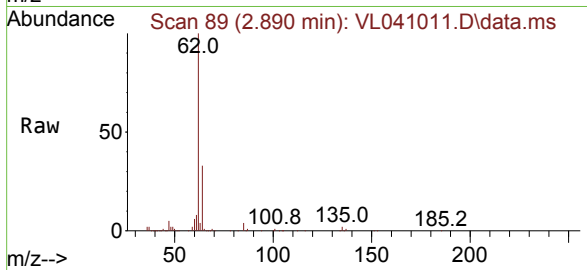




#5
 Vinyl Chloride
 Concen: 9.664 ppbv
 RT: 2.890 min Scan# 89
 Delta R.T. 0.000 min
 Lab File: VL041011.D
 Acq: 24 Jan 2024 11:24

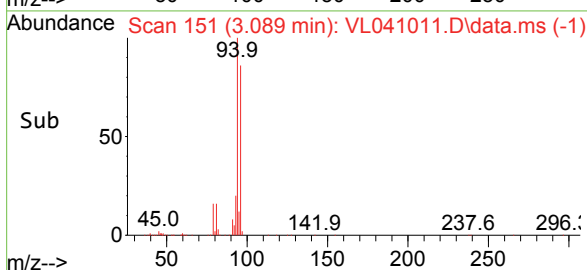
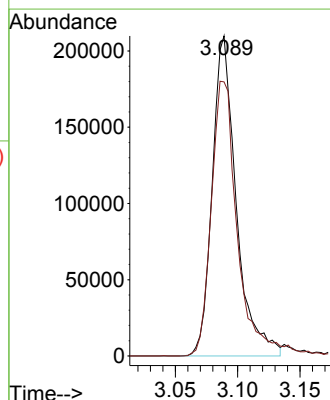
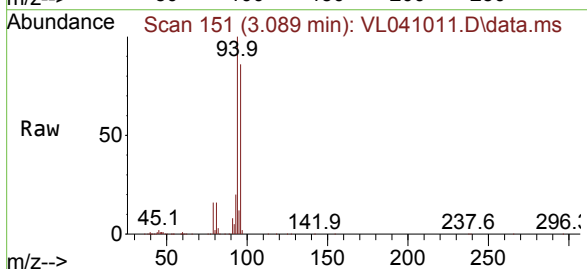
Instrument :
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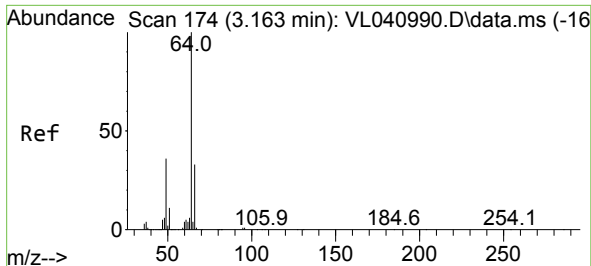
Tgt Ion: 62 Resp: 660196
 Ion Ratio Lower Upper
 62 100
 64 32.7 26.6 40.0



#6
 Bromomethane
 Concen: 9.480 ppbv
 RT: 3.089 min Scan# 151
 Delta R.T. 0.000 min
 Lab File: VL041011.D
 Acq: 24 Jan 2024 11:24

Tgt Ion: 94 Resp: 281980
 Ion Ratio Lower Upper
 94 100
 96 85.6 74.2 111.4

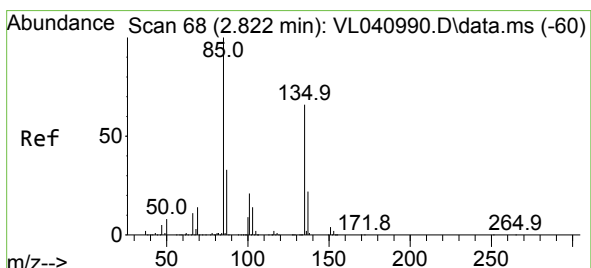
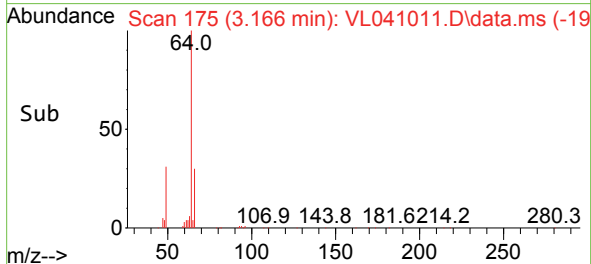
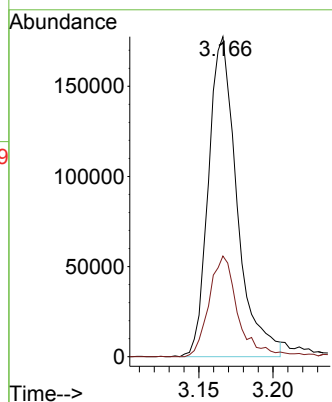
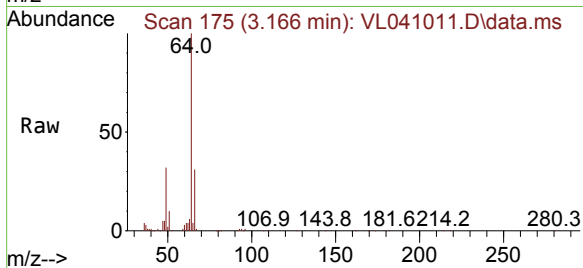




#7
Chloroethane
Concen: 9.638 ppbv
RT: 3.166 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL041011.D
Acq: 24 Jan 2024 11:24

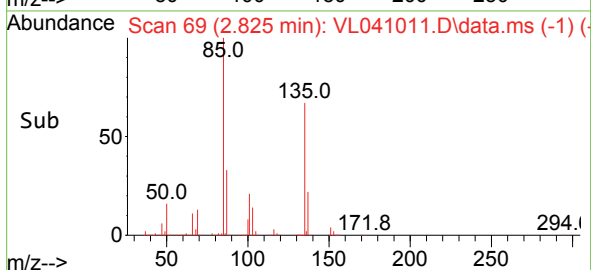
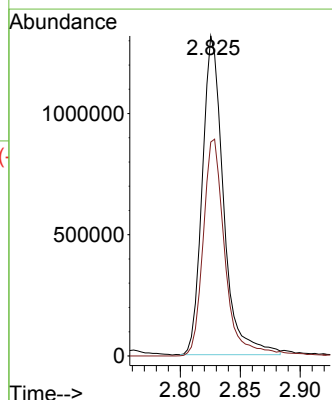
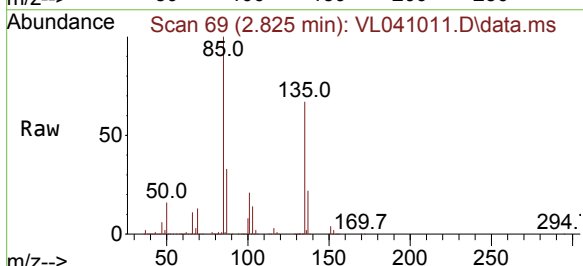
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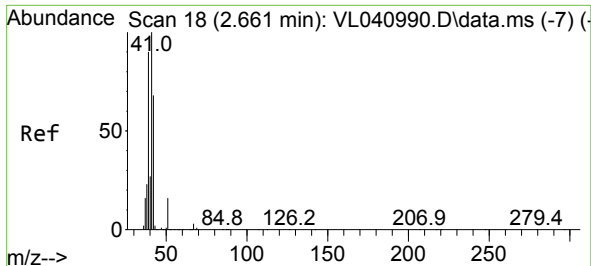
Tgt Ion: 64 Resp: 237093
Ion Ratio Lower Upper
64 100
66 31.4 26.0 39.0



#8
Dichlorotetrafluoroethane
Concen: 8.899 ppbv
RT: 2.825 min Scan# 69
Delta R.T. 0.000 min
Lab File: VL041011.D
Acq: 24 Jan 2024 11:24

Tgt Ion: 85 Resp: 1622895
Ion Ratio Lower Upper
85 100
135 70.7 55.0 82.6

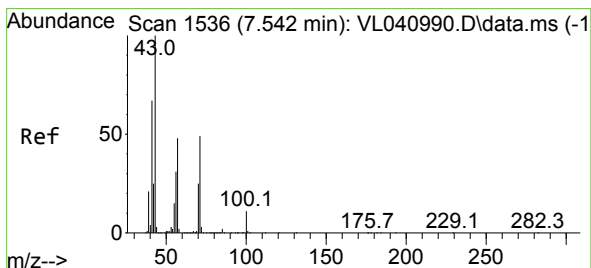
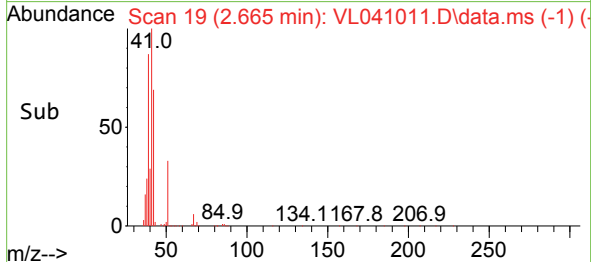
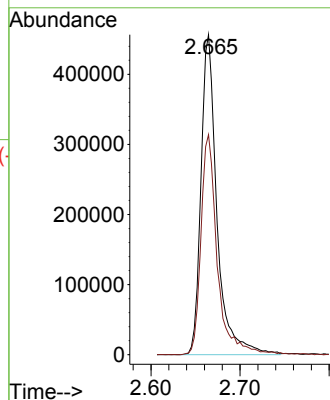
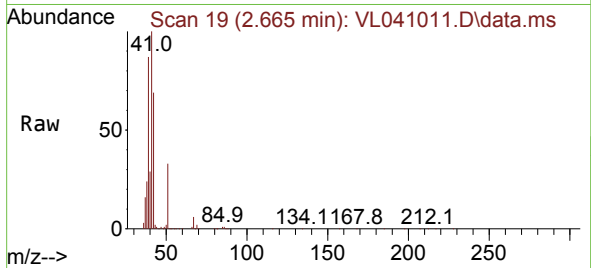




#9
 Propene
 Concen: 9.335 ppbv
 RT: 2.665 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VL041011.D
 Acq: 24 Jan 2024 11:24

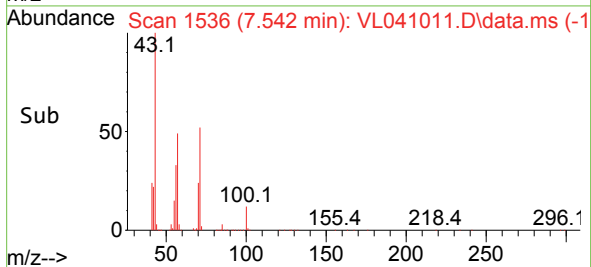
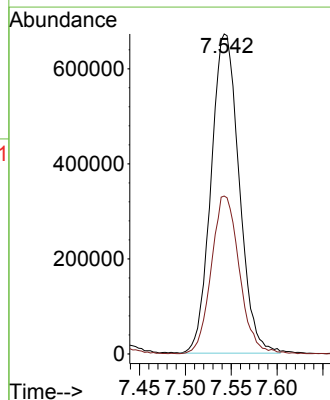
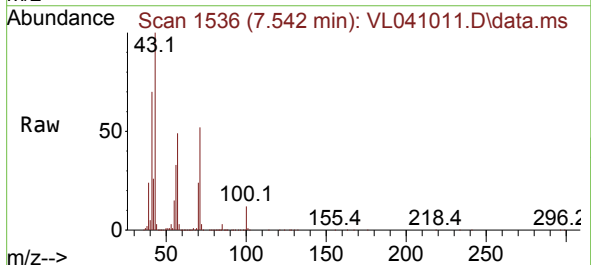
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 MSVOA_L
 ClientSampleId :
 VSTDCCC010

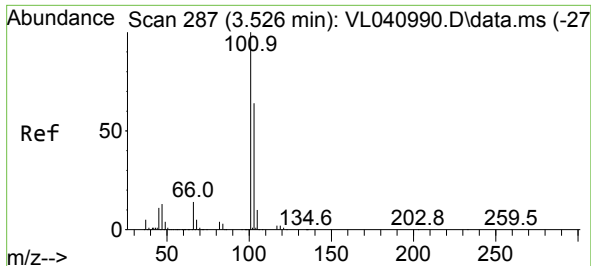
Tgt Ion: 41 Resp: 569224
 Ion Ratio Lower Upper
 41 100
 42 70.3 59.0 88.4



#10
 Heptane
 Concen: 9.518 ppbv
 RT: 7.542 min Scan# 1536
 Delta R.T. 0.000 min
 Lab File: VL041011.D
 Acq: 24 Jan 2024 11:24

Tgt Ion: 43 Resp: 1428419
 Ion Ratio Lower Upper
 43 100
 57 49.3 39.4 59.2

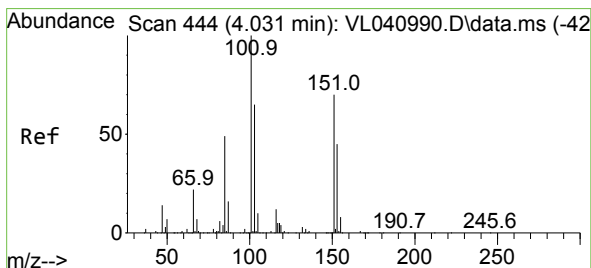
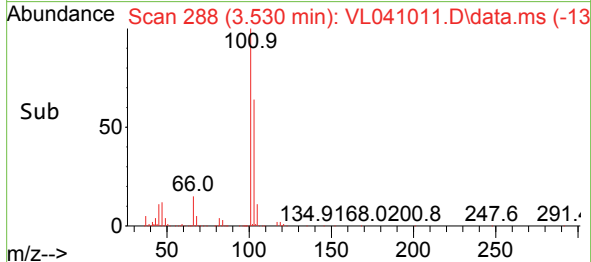
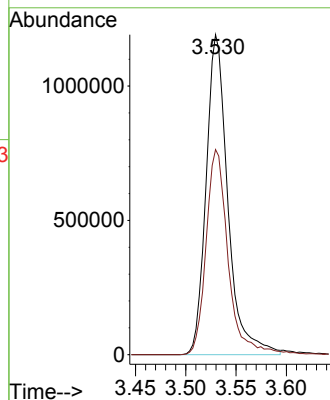
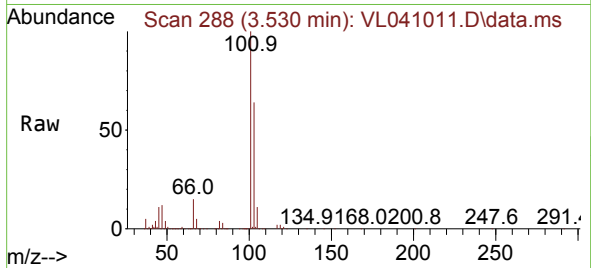




#11
 Trichlorofluoromethane
 Concen: 9.105 ppbv
 RT: 3.530 min Scan# 211
 Delta R.T. 0.000 min
 Lab File: VL041011.D
 Acq: 24 Jan 2024 11:24

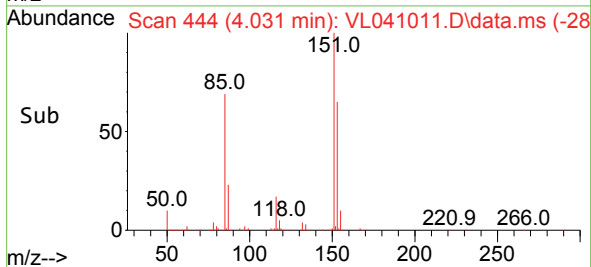
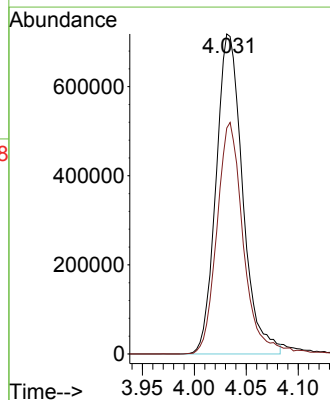
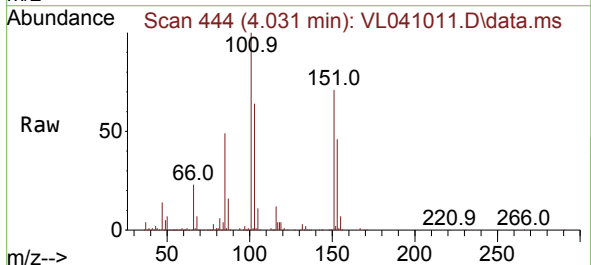
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

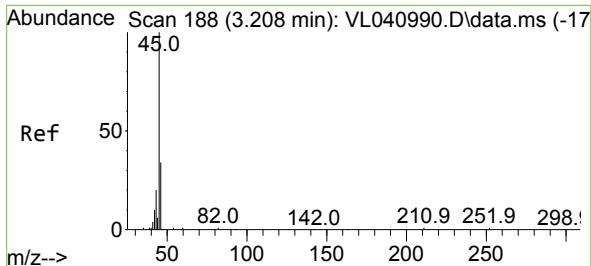
Tgt Ion:101 Resp: 1791104
 Ion Ratio Lower Upper
 101 100
 103 64.1 51.4 77.2



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.956 ppbv
 RT: 4.031 min Scan# 444
 Delta R.T. 0.000 min
 Lab File: VL041011.D
 Acq: 24 Jan 2024 11:24

Tgt Ion:101 Resp: 1276761
 Ion Ratio Lower Upper
 101 100
 151 72.7 56.6 85.0

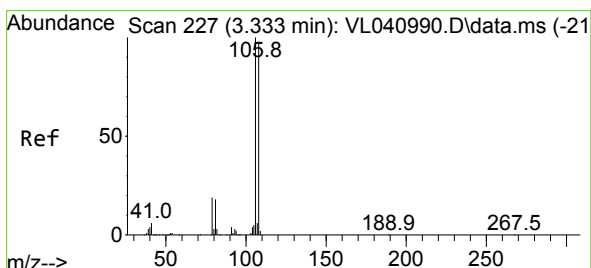
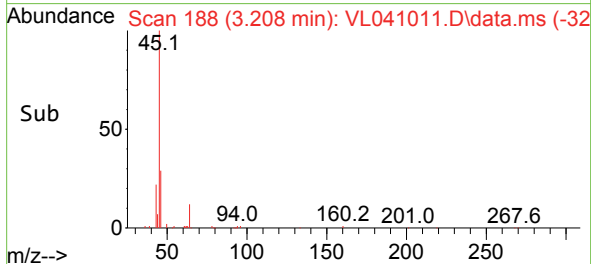
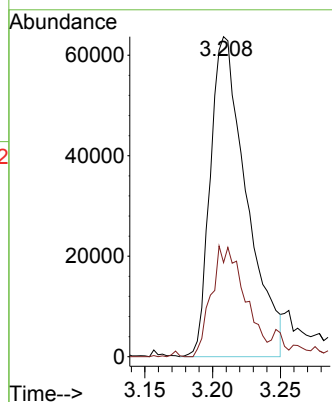
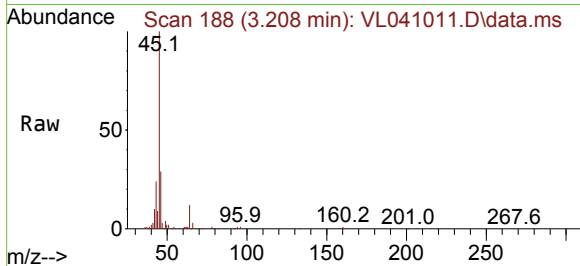




#13
Ethanol
Concen: 8.129 ppbv
RT: 3.208 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL041011.D
Acq: 24 Jan 2024 11:24

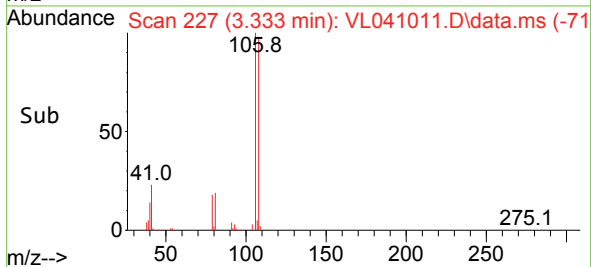
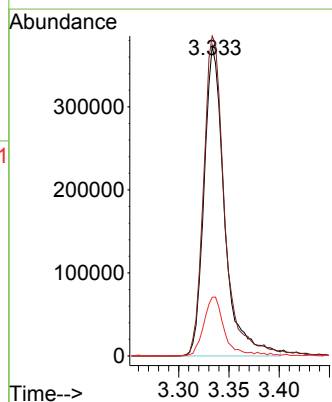
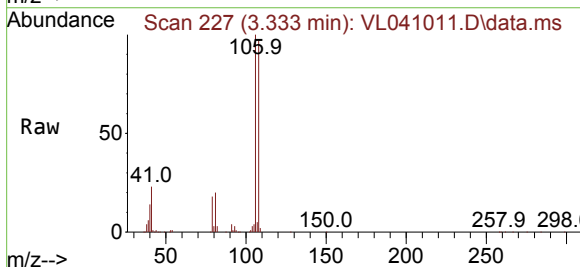
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

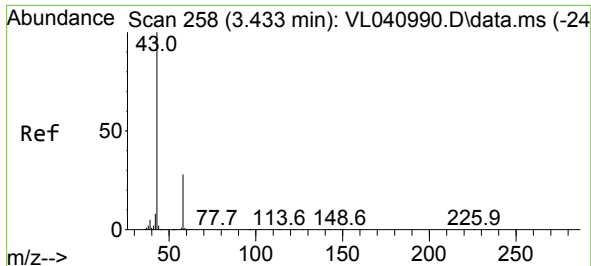
Tgt Ion: 45 Resp: 118141
Ion Ratio Lower Upper
45 100
46 37.9 16.2 64.8



#14
Bromoethene
Concen: 9.661 ppbv
RT: 3.333 min Scan# 227
Delta R.T. 0.000 min
Lab File: VL041011.D
Acq: 24 Jan 2024 11:24

Tgt Ion: 108 Resp: 528831
Ion Ratio Lower Upper
108 100
106 107.2 86.4 129.6
79 19.9 16.2 24.4





#15

Acetone

Concen: 8.556 ppbv

RT: 3.436 min Scan# 21

Delta R.T. 0.000 min

Lab File: VL041011.D

Acq: 24 Jan 2024 11:24

Instrument :

MSVOA_L

ClientSampleId :

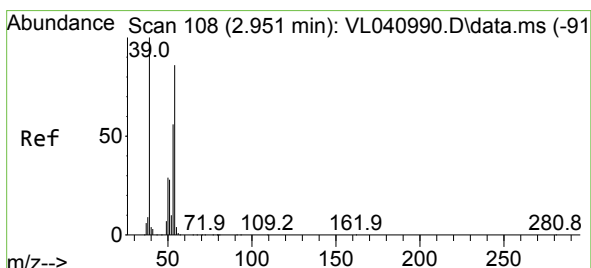
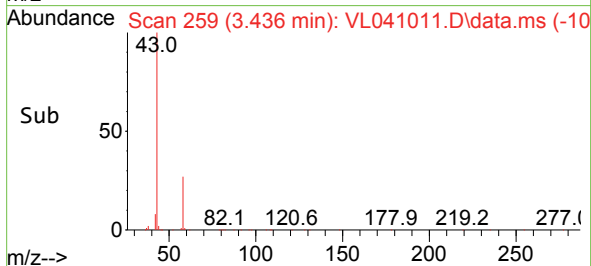
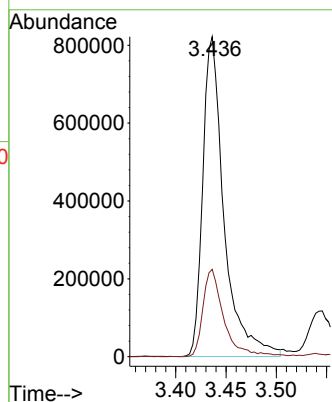
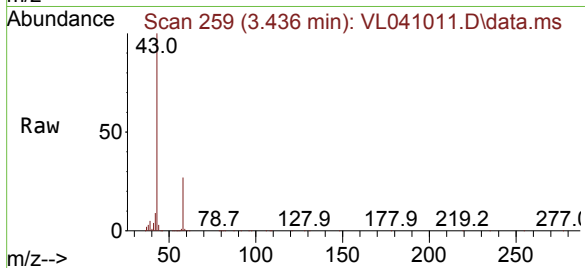
VSTDCCC010

Tgt Ion: 43 Resp: 1209256

Ion Ratio Lower Upper

43 100

58 27.0 22.2 33.2



#16

1,3-Butadiene

Concen: 9.293 ppbv

RT: 2.954 min Scan# 109

Delta R.T. 0.000 min

Lab File: VL041011.D

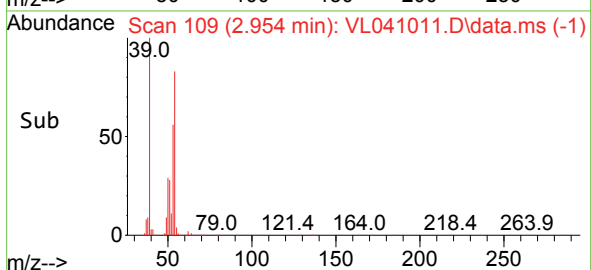
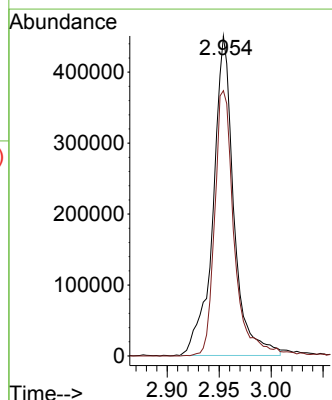
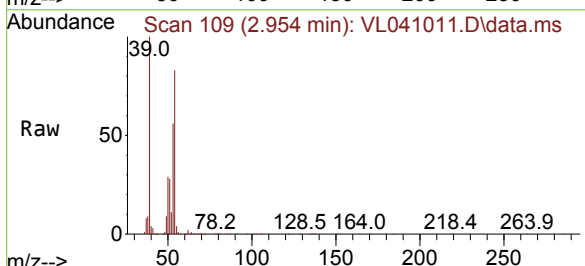
Acq: 24 Jan 2024 11:24

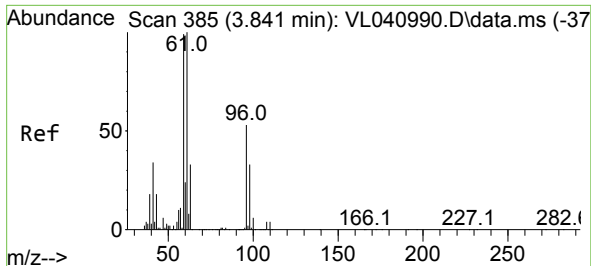
Tgt Ion: 39 Resp: 628370

Ion Ratio Lower Upper

39 100

54 79.3 62.7 94.1





#17

tert-Butyl alcohol

Concen: 9.506 ppbv

RT: 3.845 min Scan# 385

Delta R.T. 0.000 min

Lab File: VL041011.D

Acq: 24 Jan 2024 11:24

Instrument :

MSVOA_L

ClientSampleId :

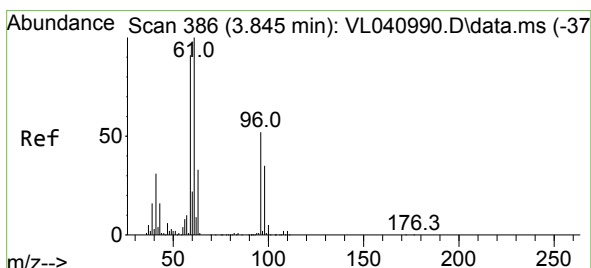
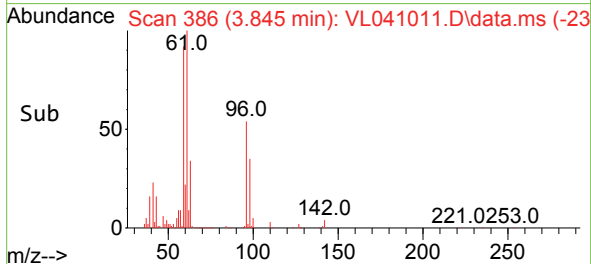
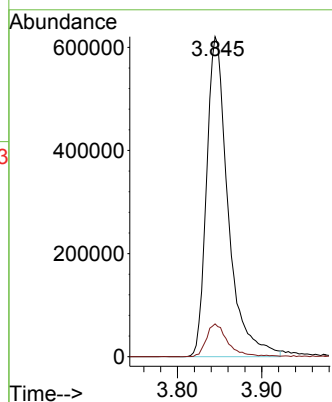
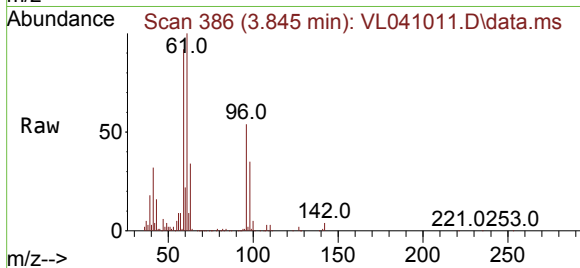
VSTDCCC010

Tgt Ion: 59 Resp: 1102036

Ion Ratio Lower Upper

59 100

57 10.4 8.7 13.1



#18

1,1-Dichloroethene

Concen: 9.354 ppbv

RT: 3.848 min Scan# 387

Delta R.T. 0.000 min

Lab File: VL041011.D

Acq: 24 Jan 2024 11:24

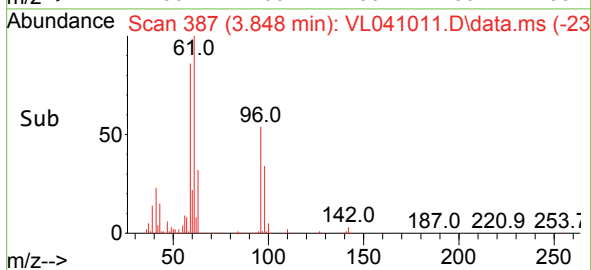
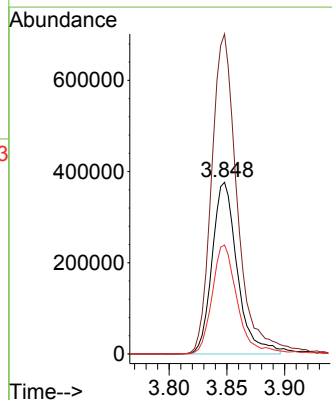
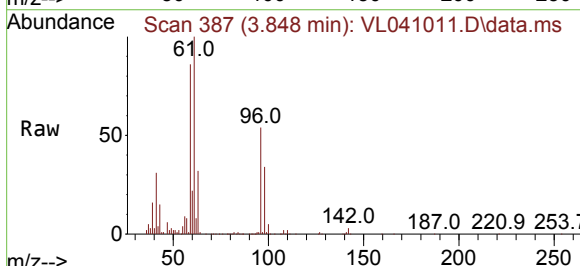
Tgt Ion: 96 Resp: 570922

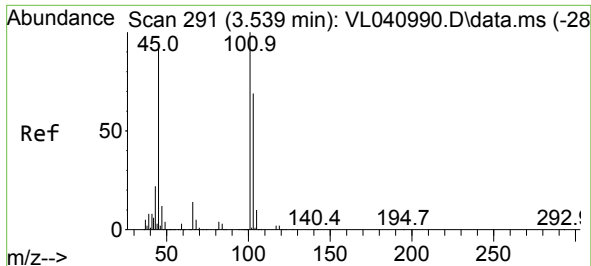
Ion Ratio Lower Upper

96 100

61 186.3 153.8 230.8

98 63.5 53.7 80.5

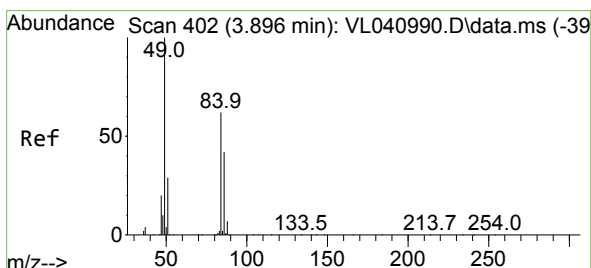
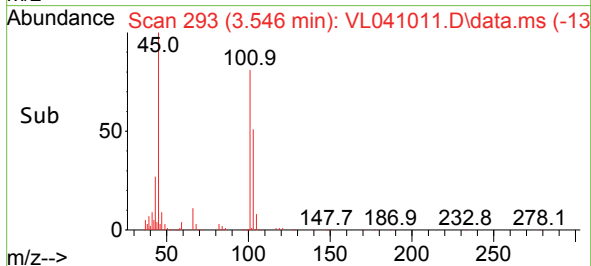
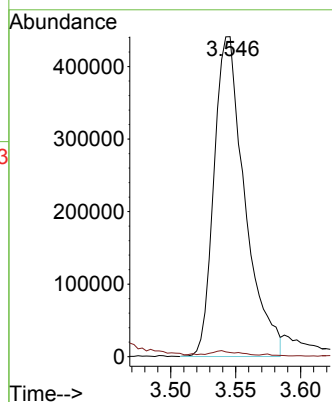
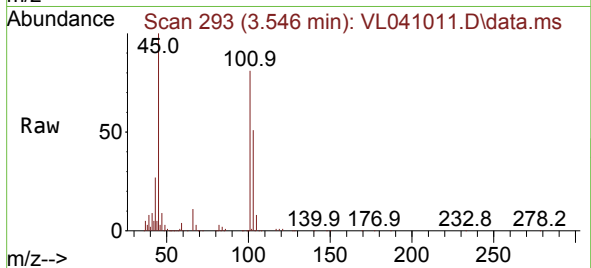




#19
Isopropyl Alcohol
Concen: 8.876 ppbv
RT: 3.546 min Scan# 291
Delta R.T. 0.000 min
Lab File: VL041011.D
Acq: 24 Jan 2024 11:24

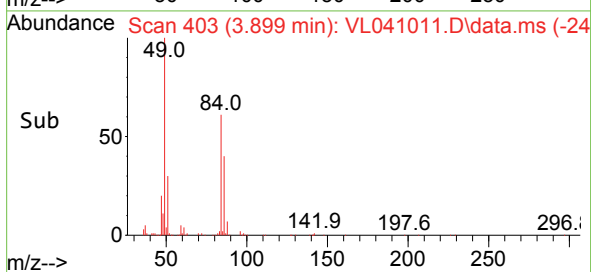
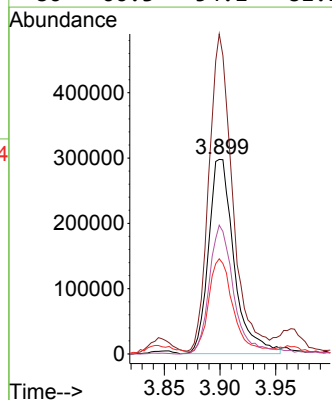
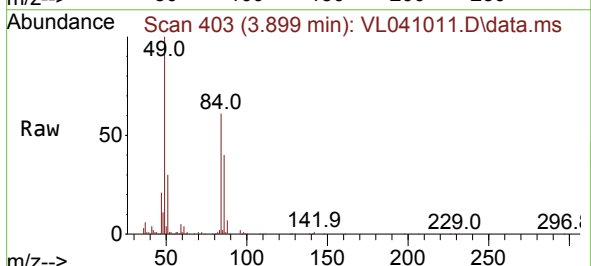
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

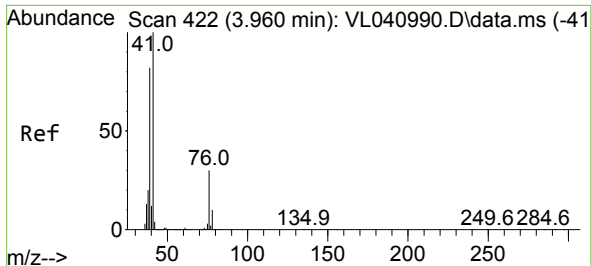
Tgt Ion: 45 Resp: 726186
Ion Ratio Lower Upper
45 100
58 2.7 2.2 3.4



#20
Methylene Chloride
Concen: 8.717 ppbv
RT: 3.899 min Scan# 403
Delta R.T. 0.000 min
Lab File: VL041011.D
Acq: 24 Jan 2024 11:24

Tgt Ion: 84 Resp: 474080
Ion Ratio Lower Upper
84 100
49 162.6 128.1 192.1
51 46.9 36.5 54.7
86 66.3 54.1 81.1

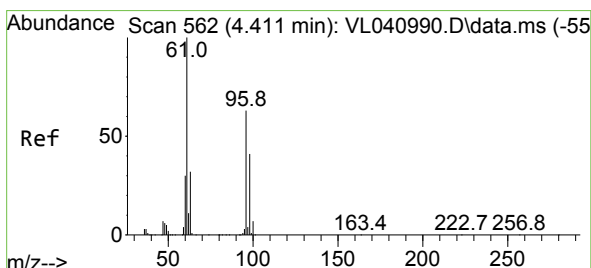
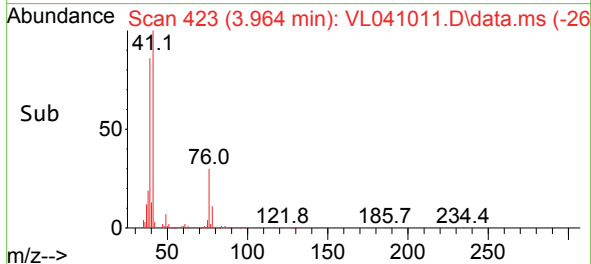
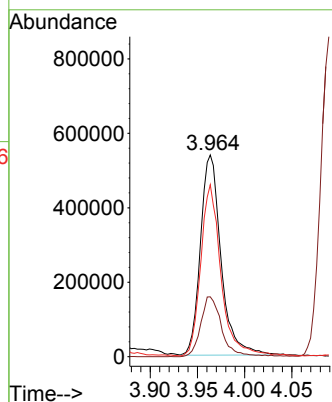
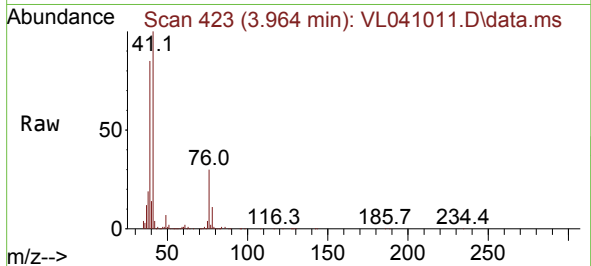




#21
 Allyl Chloride
 Concen: 9.514 ppbv
 RT: 3.964 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL041011.D
 Acq: 24 Jan 2024 11:24

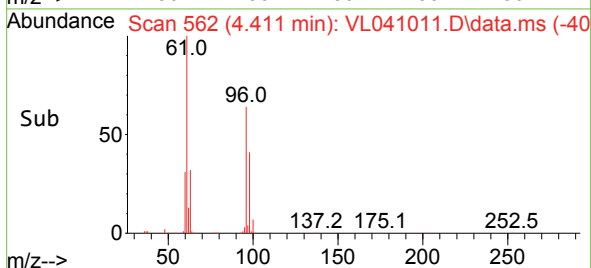
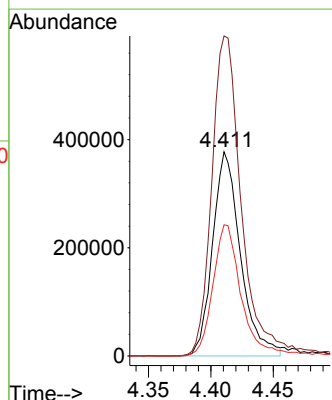
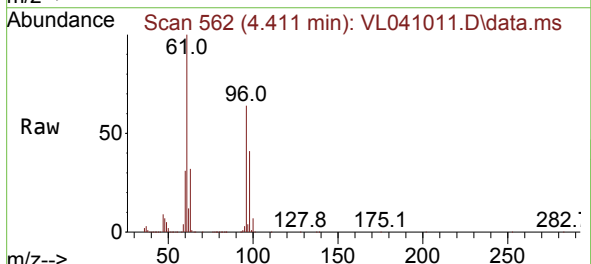
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

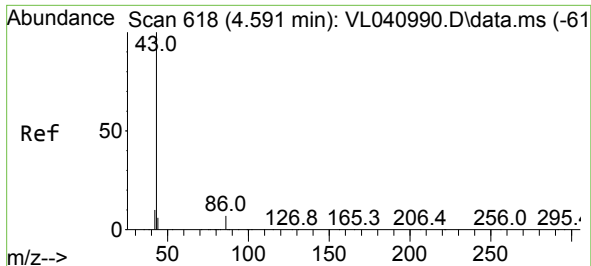
Tgt Ion: 41 Resp: 817019
 Ion Ratio Lower Upper
 41 100
 76 30.6 25.0 37.4
 39 84.8 67.0 100.6



#22
 trans-1,2-Dichloroethene
 Concen: 9.352 ppbv
 RT: 4.411 min Scan# 562
 Delta R.T. 0.000 min
 Lab File: VL041011.D
 Acq: 24 Jan 2024 11:24

Tgt Ion: 96 Resp: 587749
 Ion Ratio Lower Upper
 96 100
 61 156.7 126.0 189.0
 98 64.3 51.2 76.8



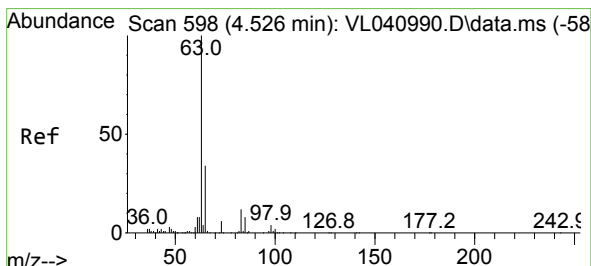
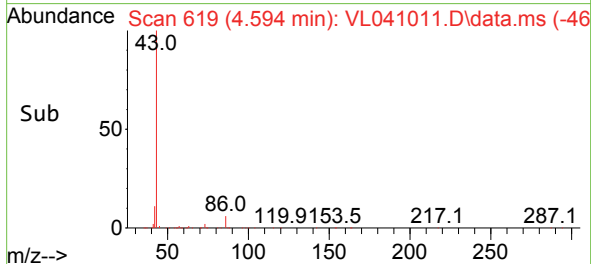
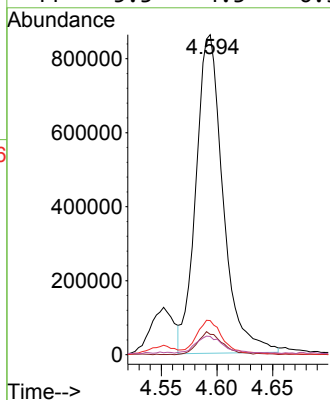
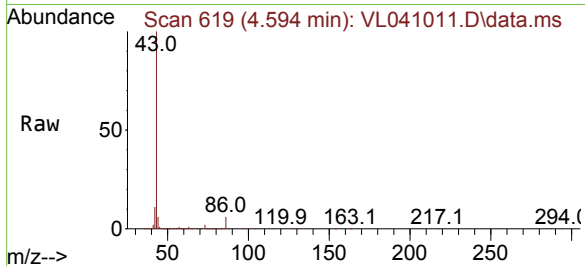


#23
 Vinyl Acetate
 Concen: 9.994 ppbv
 RT: 4.594 min Scan# 618
 Delta R.T. 0.000 min
 Lab File: VL041011.D
 Acq: 24 Jan 2024 11:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 43 Resp: 1456149

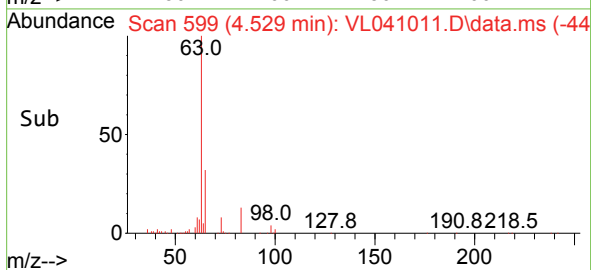
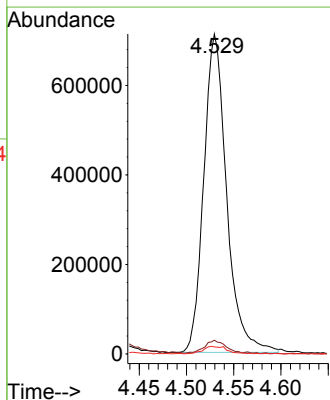
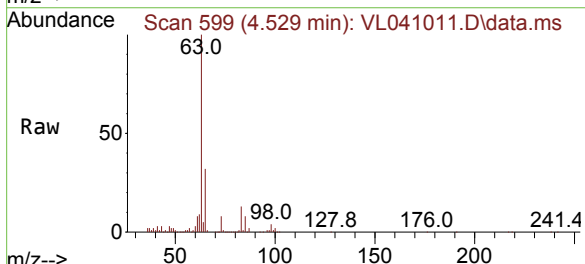
Ion	Ratio	Lower	Upper
43	100		
86	6.4	5.4	8.0
42	10.6	8.6	13.0
44	5.3	4.3	6.5

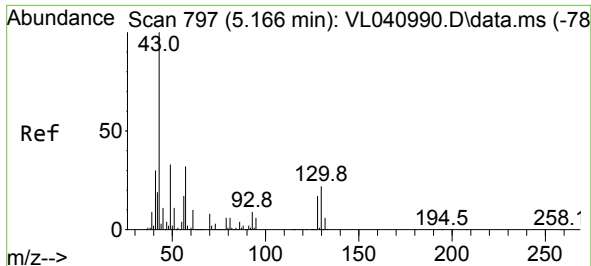


#24
 1,1-Dichloroethane
 Concen: 9.267 ppbv
 RT: 4.529 min Scan# 599
 Delta R.T. 0.000 min
 Lab File: VL041011.D
 Acq: 24 Jan 2024 11:24

Tgt Ion: 63 Resp: 1197688

Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.1	6.3
100	2.1	1.3	3.9



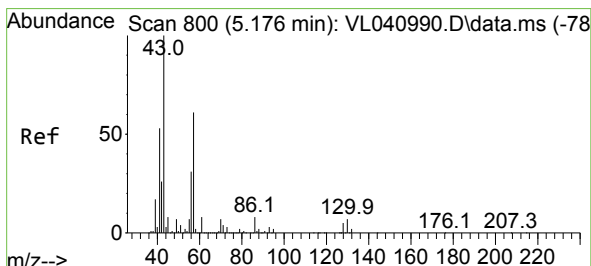
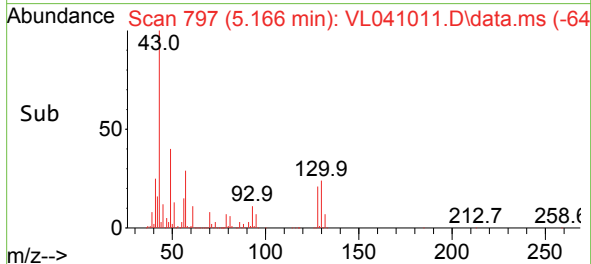
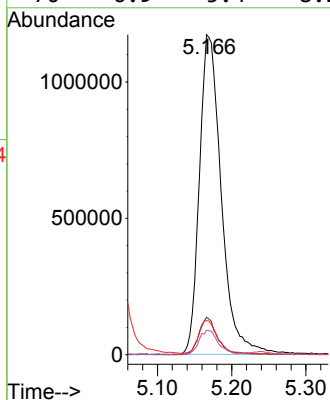
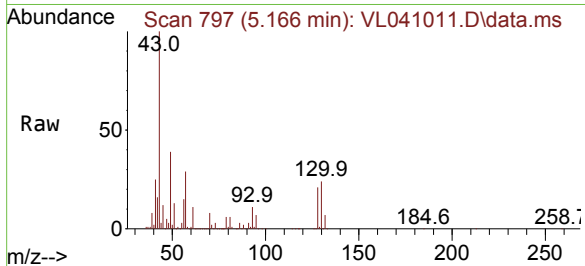


#25
Ethyl Acetate
Concen: 9.360 ppbv
RT: 5.166 min Scan# 797
Delta R.T. 0.000 min
Lab File: VL041011.D
Acq: 24 Jan 2024 11:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 2398985

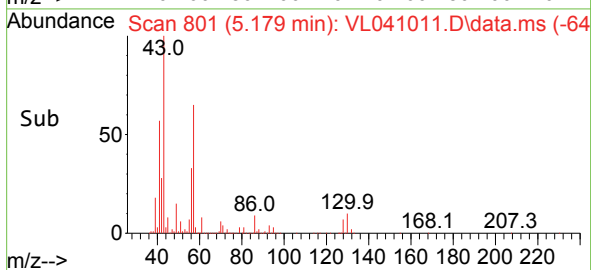
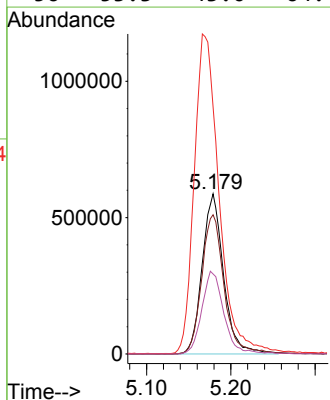
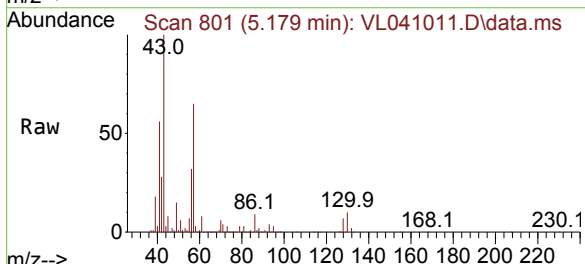
Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.2	12.4
61	9.9	7.9	11.9
70	6.9	5.4	8.2

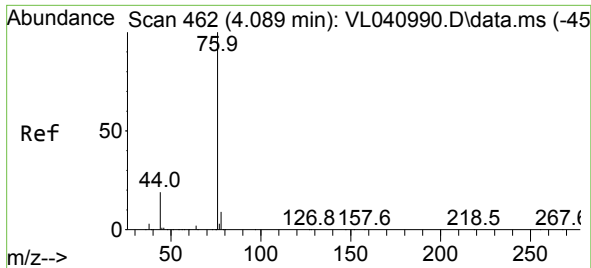


#26
Hexane
Concen: 9.502 ppbv
RT: 5.179 min Scan# 801
Delta R.T. 0.000 min
Lab File: VL041011.D
Acq: 24 Jan 2024 11:24

Tgt Ion: 57 Resp: 1037957

Ion	Ratio	Lower	Upper
57	100		
41	91.9	74.4	111.6
43	233.4	190.6	285.8
56	53.3	43.0	64.4

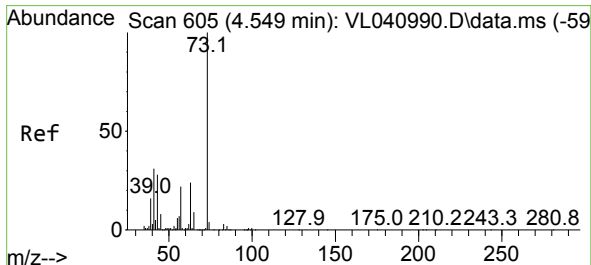
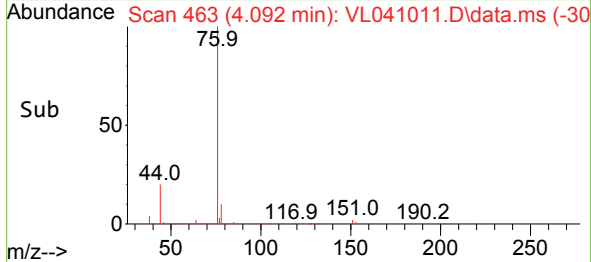
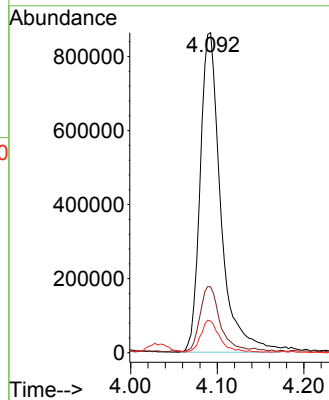
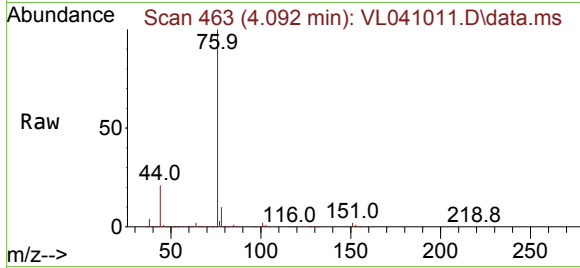




#27
Carbon Disulfide
Concen: 10.048 ppbv
RT: 4.092 min Scan# 40
Delta R.T. 0.000 min
Lab File: VL041011.D
Acq: 24 Jan 2024 11:24

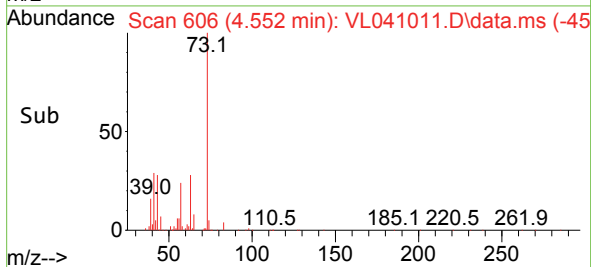
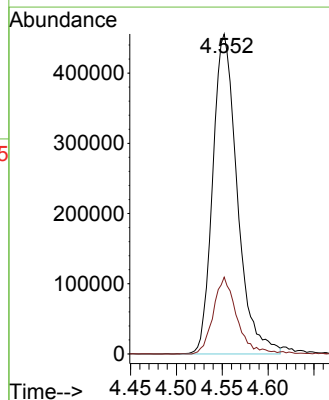
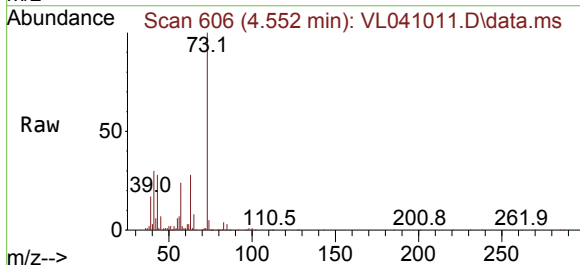
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

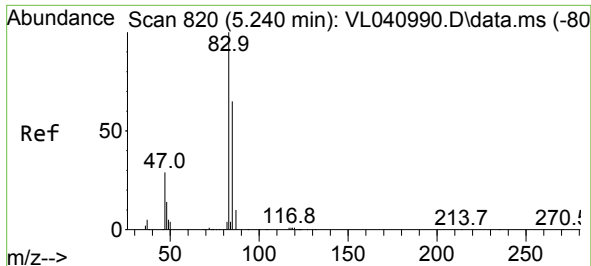
Tgt Ion: 76 Resp: 1428375
Ion Ratio Lower Upper
76 100
44 21.2 16.0 24.0
78 9.5 7.8 11.8



#28
Methyl tert-Butyl Ether
Concen: 9.354 ppbv
RT: 4.552 min Scan# 606
Delta R.T. 0.000 min
Lab File: VL041011.D
Acq: 24 Jan 2024 11:24

Tgt Ion: 73 Resp: 848104
Ion Ratio Lower Upper
73 100
57 23.4 18.0 27.0





#29

Chloroform

Concen: 9.276 ppbv

RT: 5.240 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL041011.D

Acq: 24 Jan 2024 11:24

Instrument :

MSVOA_L

ClientSampleId :

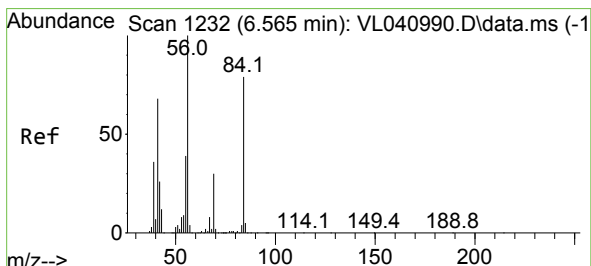
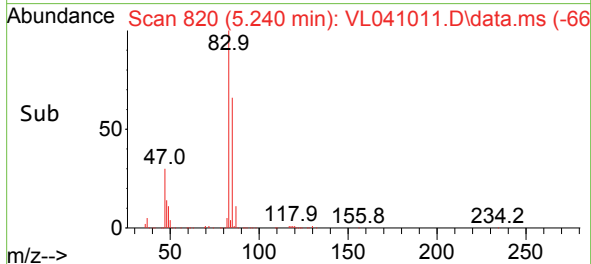
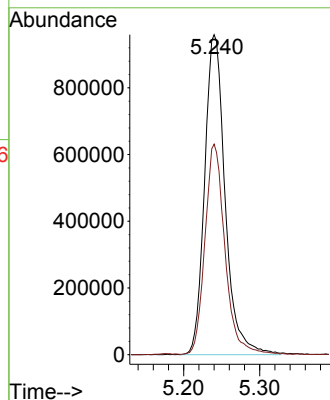
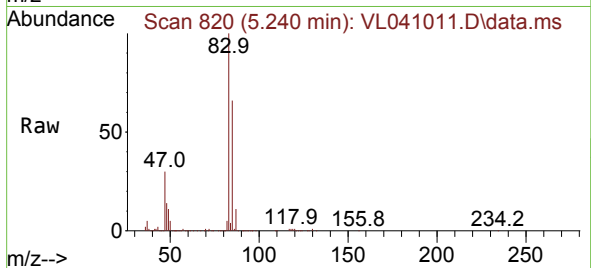
VSTDCCC010

Tgt Ion: 83 Resp: 1797344

Ion Ratio Lower Upper

83 100

85 65.7 51.6 77.4



#30

Cyclohexane

Concen: 9.897 ppbv

RT: 6.565 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VL041011.D

Acq: 24 Jan 2024 11:24

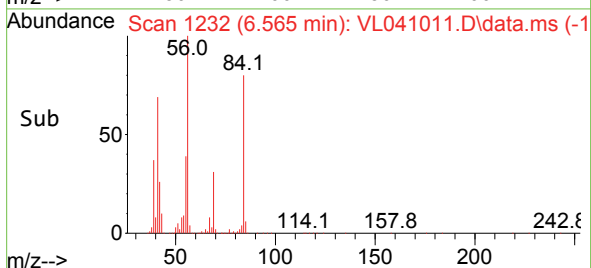
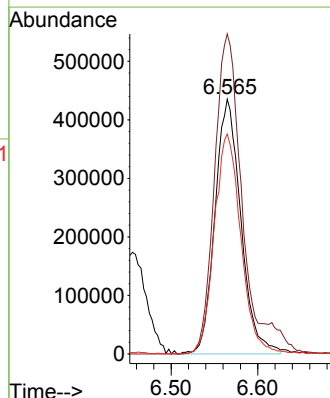
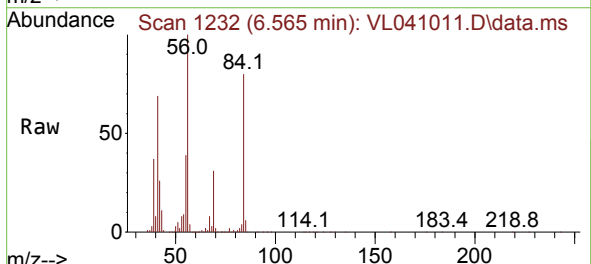
Tgt Ion: 84 Resp: 905818

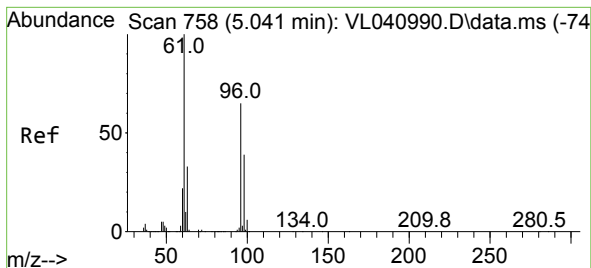
Ion Ratio Lower Upper

84 100

56 135.8 111.7 167.5

41 88.7 71.0 106.6





#31

cis-1,2-Dichloroethene

Concen: 8.948 ppbv

RT: 5.044 min Scan# 71

Delta R.T. 0.000 min

Lab File: VL041011.D

Acq: 24 Jan 2024 11:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

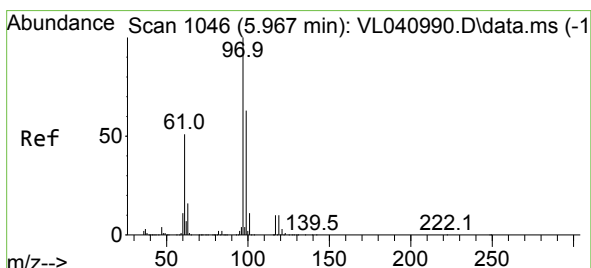
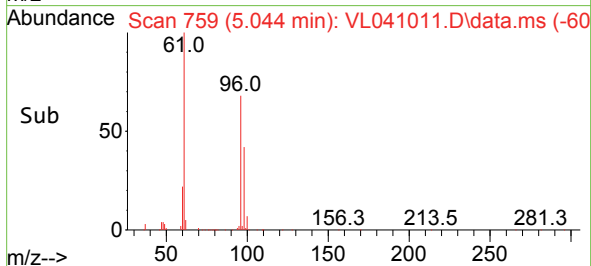
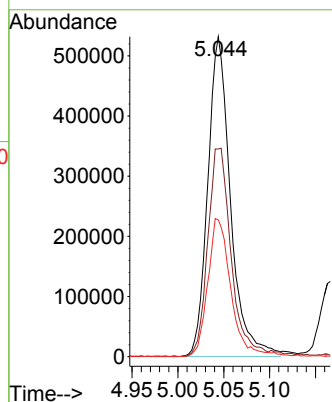
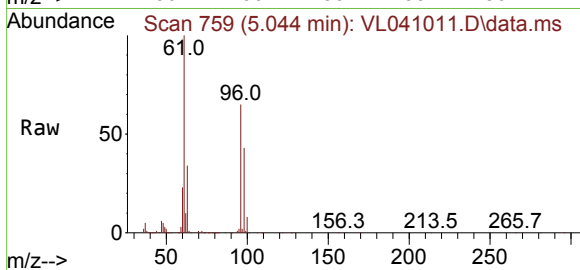
Tgt Ion: 61 Resp: 917390

Ion Ratio Lower Upper

61 100

96 64.9 51.9 77.9

98 42.7 31.5 47.3



#32

1,1,1-Trichloroethane

Concen: 9.587 ppbv

RT: 5.970 min Scan# 1047

Delta R.T. 0.000 min

Lab File: VL041011.D

Acq: 24 Jan 2024 11:24

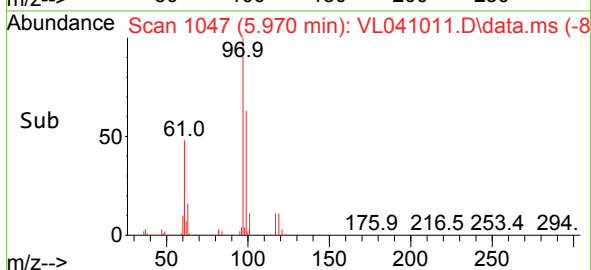
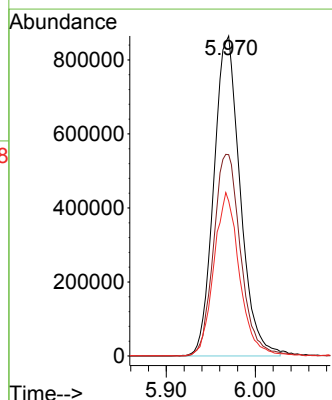
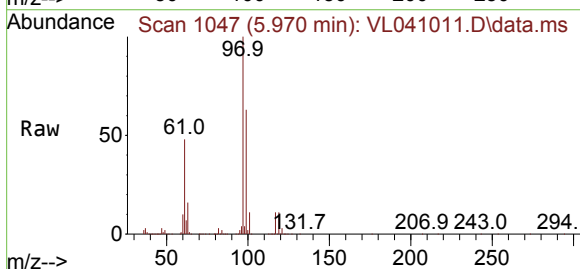
Tgt Ion: 97 Resp: 1775304

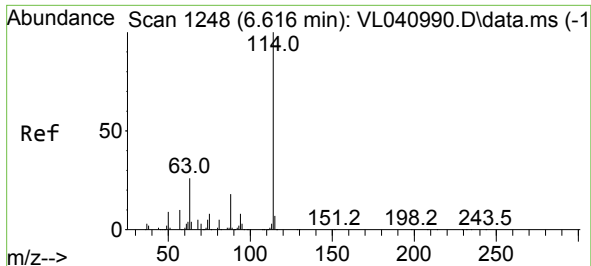
Ion Ratio Lower Upper

97 100

99 65.3 51.5 77.3

61 49.8 40.3 60.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.616 min Scan# 1

Delta R.T. 0.000 min

Lab File: VL041011.D

Acq: 24 Jan 2024 11:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

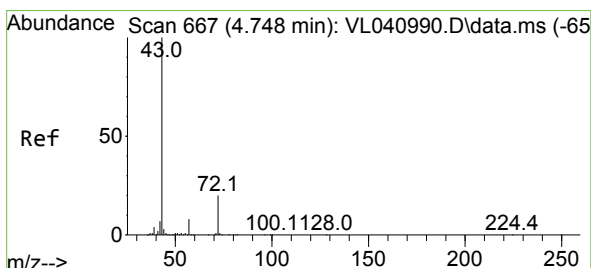
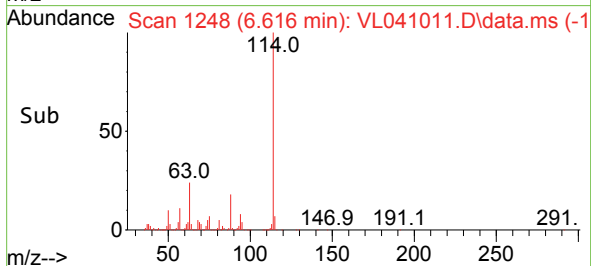
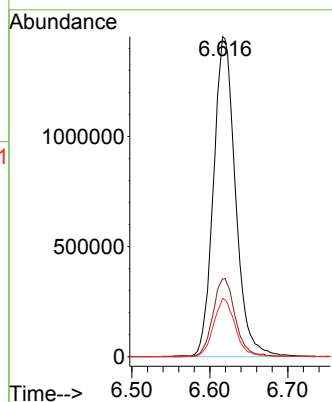
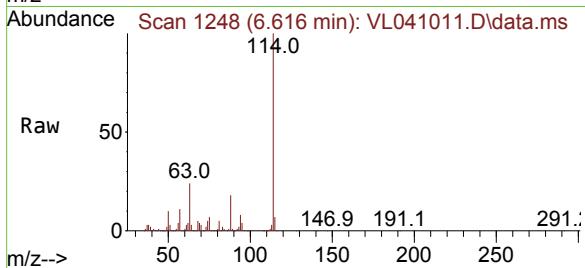
Tgt Ion:114 Resp: 2846888

Ion Ratio Lower Upper

114 100

63 25.4 20.8 31.2

88 17.9 14.3 21.5



#34

2-Butanone

Concen: 9.760 ppbv

RT: 4.751 min Scan# 668

Delta R.T. 0.000 min

Lab File: VL041011.D

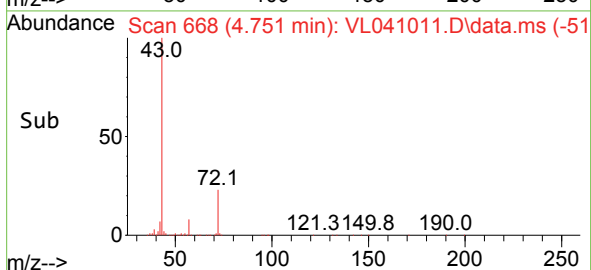
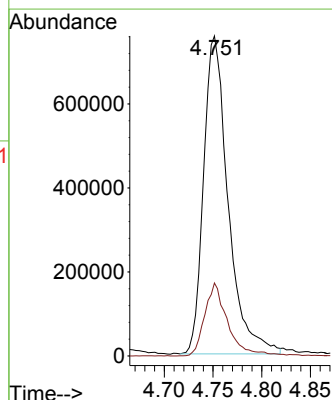
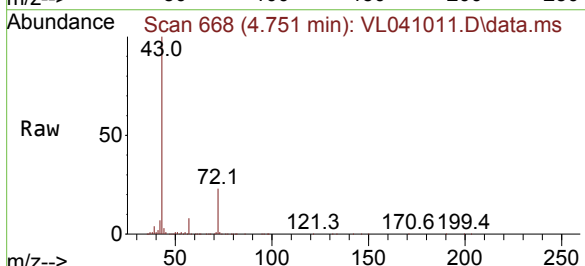
Acq: 24 Jan 2024 11:24

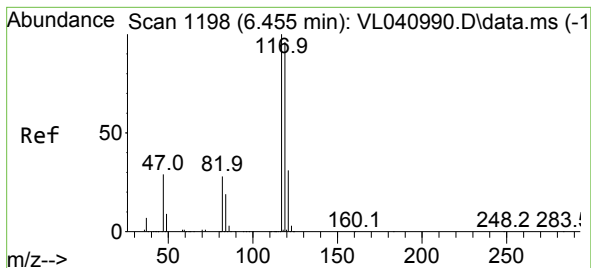
Tgt Ion: 43 Resp: 1323715

Ion Ratio Lower Upper

43 100

72 22.0 17.5 26.3





#35

Carbon Tetrachloride

Concen: 9.998 ppbv

RT: 6.459 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VL041011.D

Acq: 24 Jan 2024 11:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

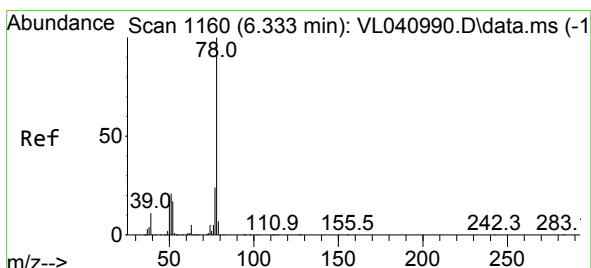
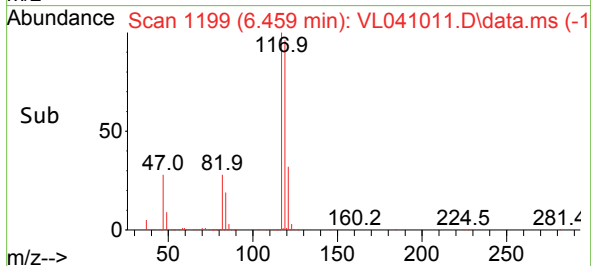
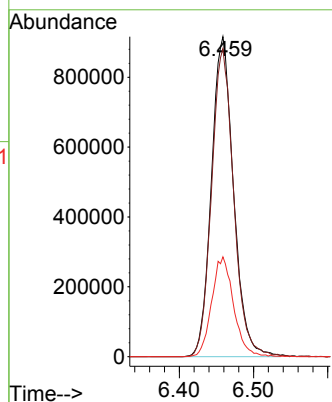
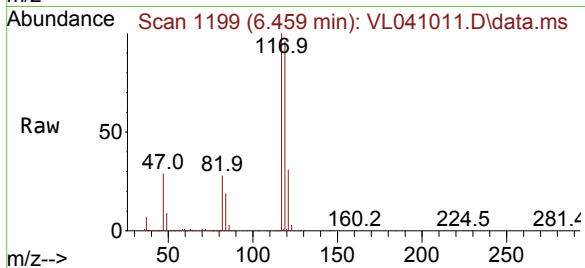
Tgt Ion:117 Resp: 1898055

Ion Ratio Lower Upper

117 100

119 96.3 76.9 115.3

121 31.2 24.7 37.1



#36

Benzene

Concen: 9.597 ppbv

RT: 6.333 min Scan# 1160

Delta R.T. 0.000 min

Lab File: VL041011.D

Acq: 24 Jan 2024 11:24

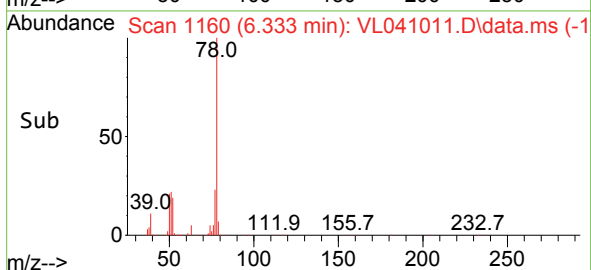
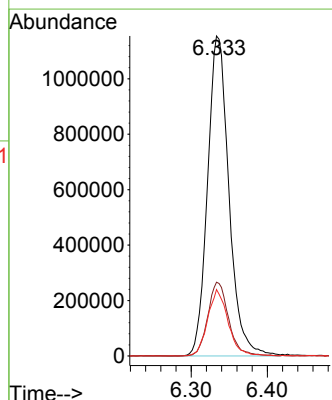
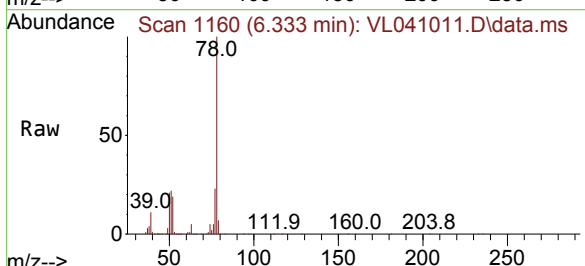
Tgt Ion: 78 Resp: 2256523

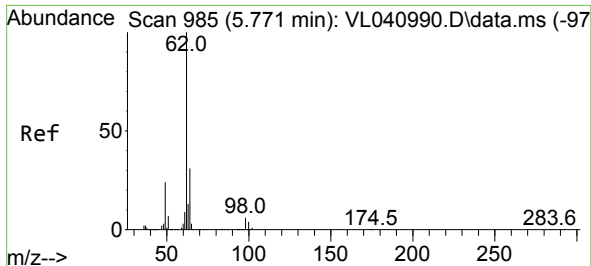
Ion Ratio Lower Upper

78 100

77 23.0 19.0 28.4

50 20.7 15.8 23.6





#37

1,2-Dichloroethane

Concen: 9.606 ppbv

RT: 5.774 min Scan# 985

Delta R.T. 0.000 min

Lab File: VL041011.D

Acq: 24 Jan 2024 11:24

Instrument :

MSVOA_L

ClientSampleId :

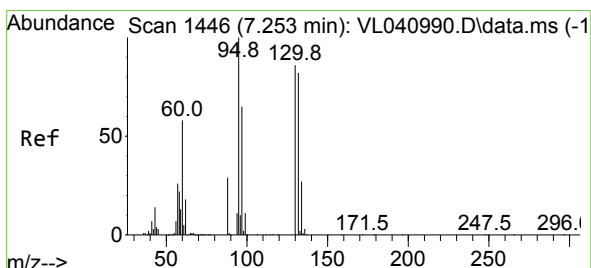
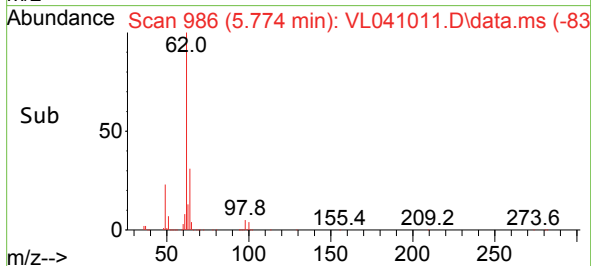
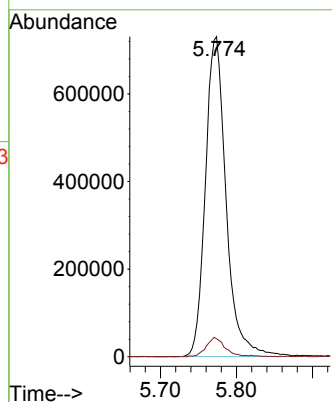
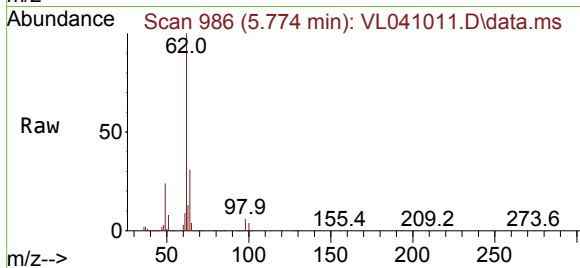
VSTDCCC010

Tgt Ion: 62 Resp: 1378345

Ion Ratio Lower Upper

62 100

98 5.7 4.7 7.1



#38

Trichloroethene

Concen: 9.448 ppbv

RT: 7.253 min Scan# 1446

Delta R.T. 0.000 min

Lab File: VL041011.D

Acq: 24 Jan 2024 11:24

Tgt Ion:130 Resp: 890551

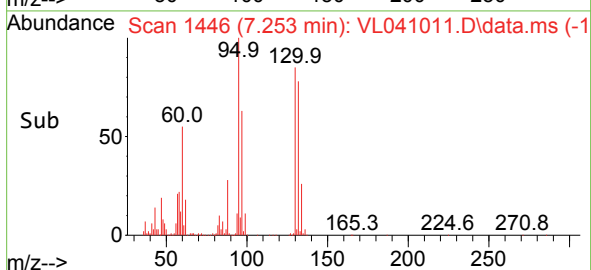
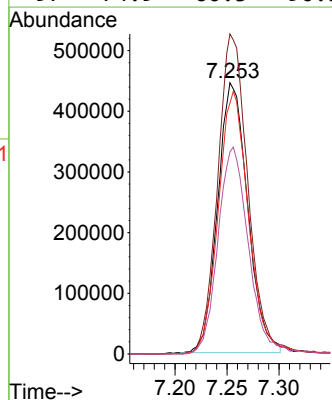
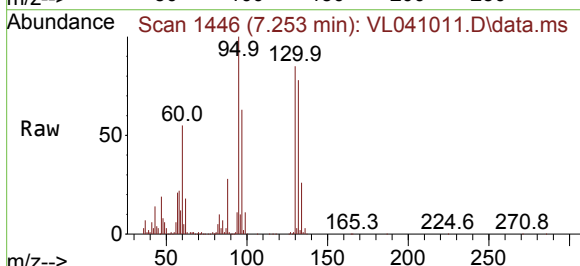
Ion Ratio Lower Upper

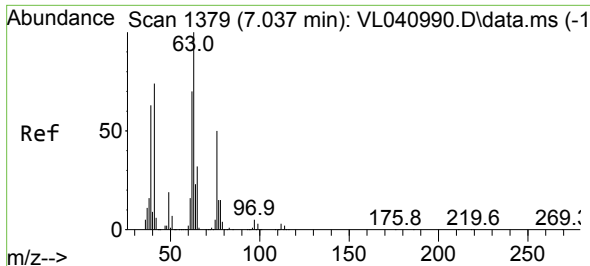
130 100

95 118.5 92.9 139.3

132 92.8 76.2 114.2

97 74.9 60.3 90.5





#39

1,2-Dichloropropane

Concen: 9.470 ppbv

RT: 7.037 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL041011.D

Acq: 24 Jan 2024 11:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

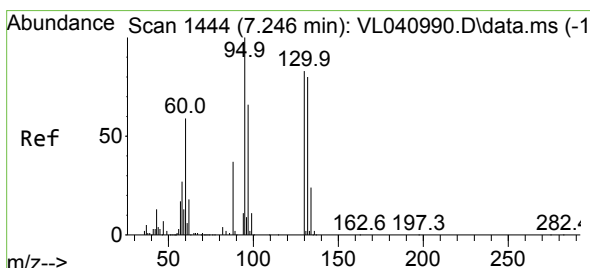
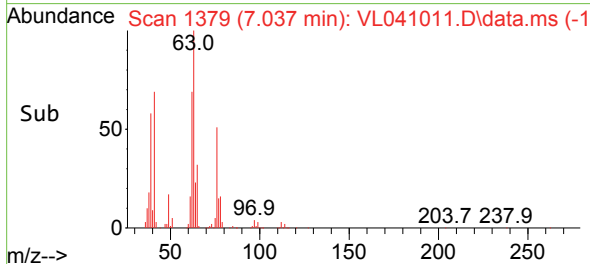
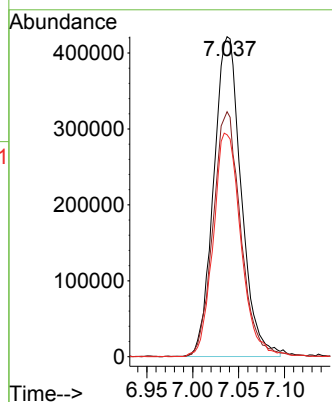
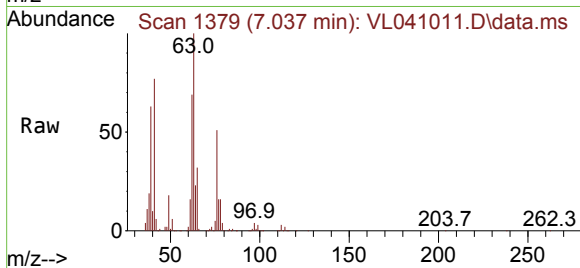
Tgt Ion: 63 Resp: 877142

Ion Ratio Lower Upper

63 100

41 76.3 59.6 89.4

62 69.4 55.6 83.4



#40

1,4-Dioxane

Concen: 8.948 ppbv

RT: 7.250 min Scan# 1445

Delta R.T. 0.000 min

Lab File: VL041011.D

Acq: 24 Jan 2024 11:24

Tgt Ion: 88 Resp: 344241

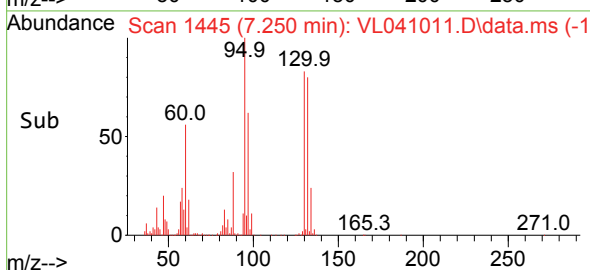
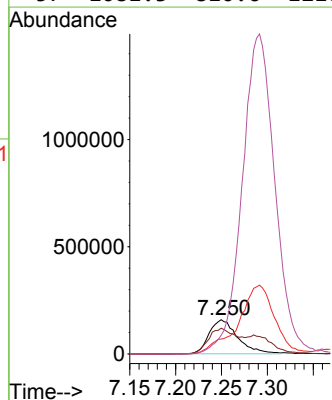
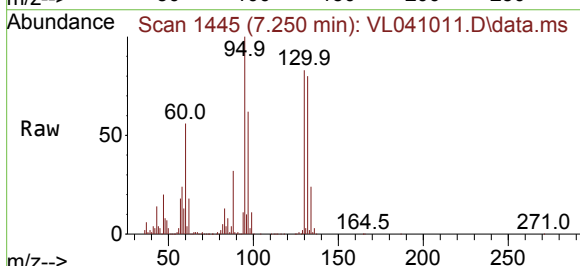
Ion Ratio Lower Upper

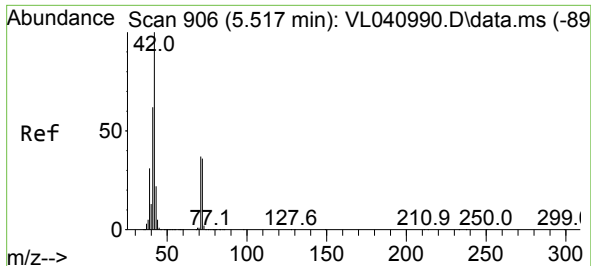
88 100

58 126.5 96.6 144.8

43 256.9 191.0 286.6

57 1081.3 810.6 1216.0





#41

Tetrahydrofuran

Concen: 9.996 ppbv

RT: 5.520 min Scan# 906

Delta R.T. 0.000 min

Lab File: VL041011.D

Acq: 24 Jan 2024 11:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

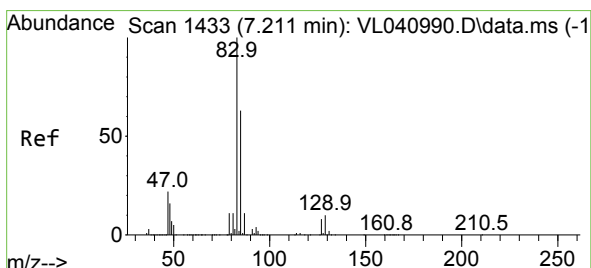
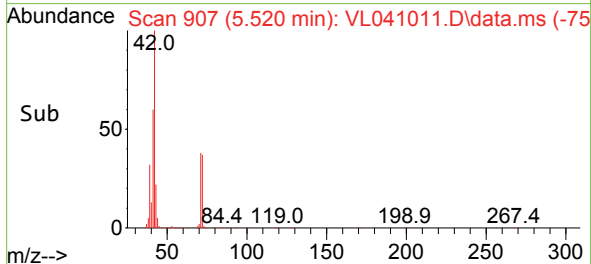
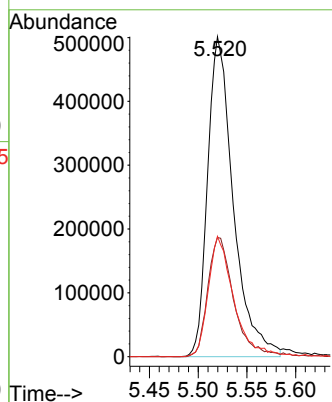
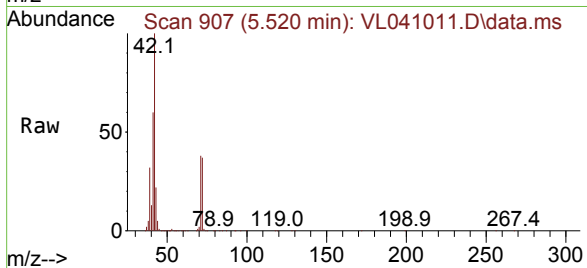
Tgt Ion: 42 Resp: 920562

Ion Ratio Lower Upper

42 100

72 38.3 30.0 45.0

71 37.7 29.5 44.3



#42

Bromodichloromethane

Concen: 9.758 ppbv

RT: 7.214 min Scan# 1434

Delta R.T. 0.000 min

Lab File: VL041011.D

Acq: 24 Jan 2024 11:24

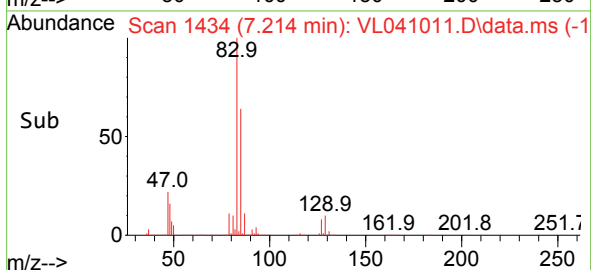
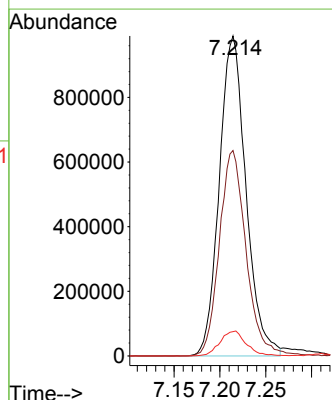
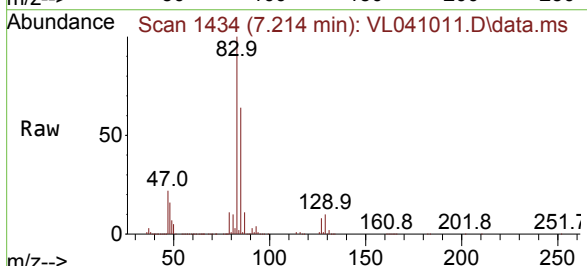
Tgt Ion: 83 Resp: 2003213

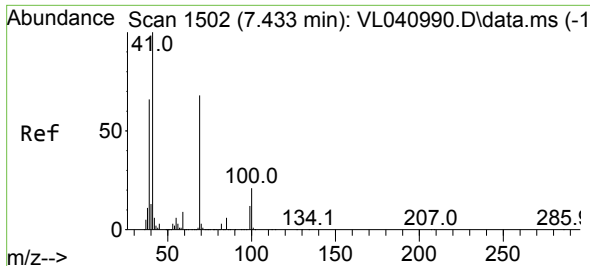
Ion Ratio Lower Upper

83 100

85 64.2 50.5 75.7

127 7.6 6.4 9.6

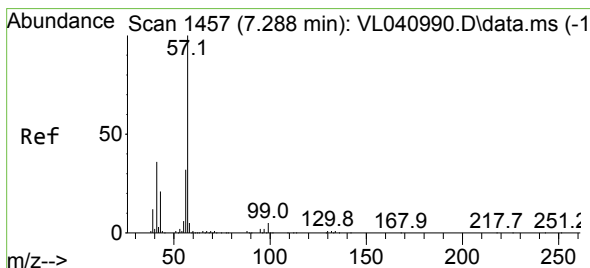
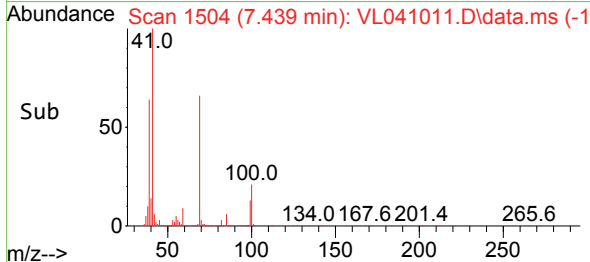
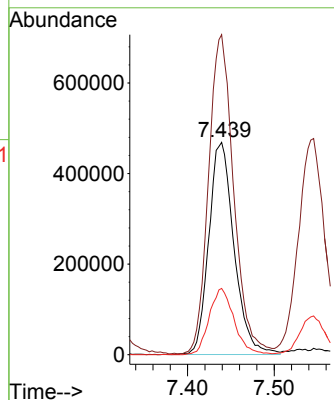
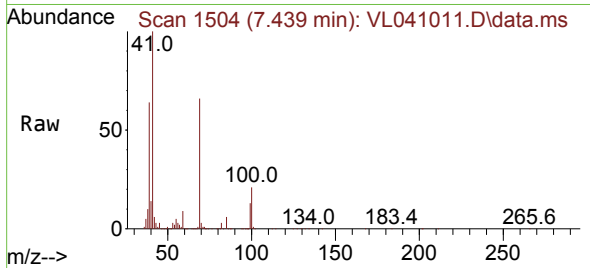




#43
Methyl Methacrylate
Concen: 10.467 ppbv
RT: 7.439 min Scan# 1504
Delta R.T. 0.000 min
Lab File: VL041011.D
Acq: 24 Jan 2024 11:24

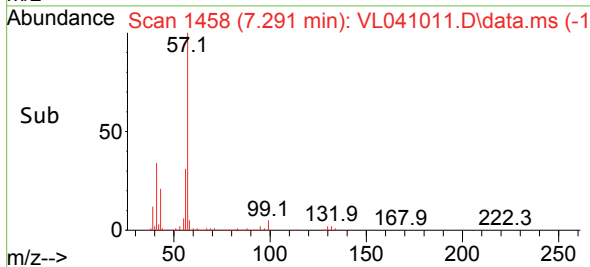
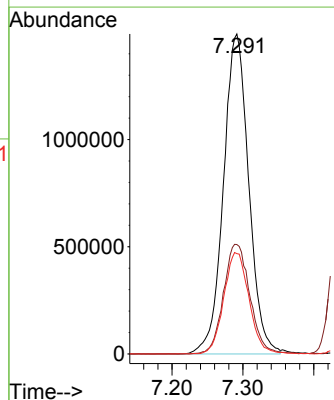
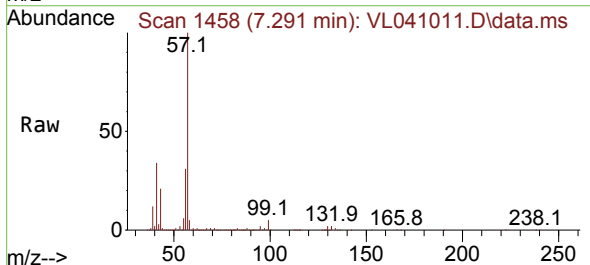
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

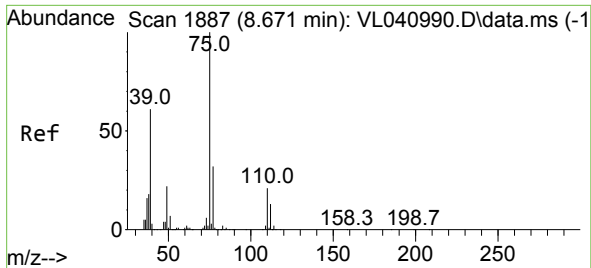
Tgt Ion: 69 Resp: 949623
Ion Ratio Lower Upper
69 100
41 150.3 120.2 180.2
100 30.9 24.6 36.8



#44
2,2,4-Trimethylpentane
Concen: 9.358 ppbv
RT: 7.291 min Scan# 1458
Delta R.T. 0.000 min
Lab File: VL041011.D
Acq: 24 Jan 2024 11:24

Tgt Ion: 57 Resp: 3702233
Ion Ratio Lower Upper
57 100
41 35.7 28.6 43.0
56 31.8 25.2 37.8

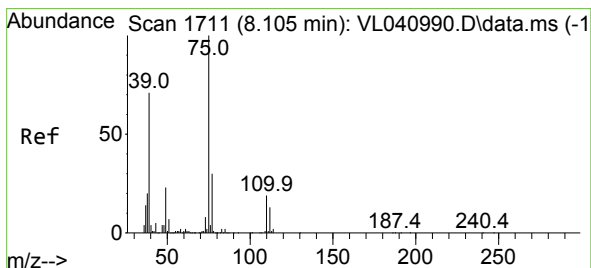
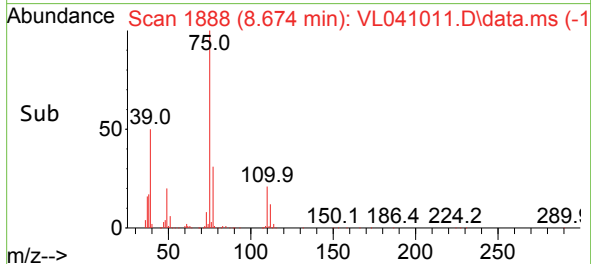
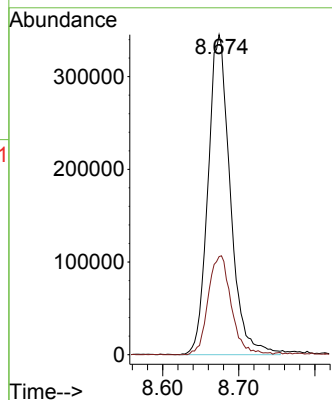
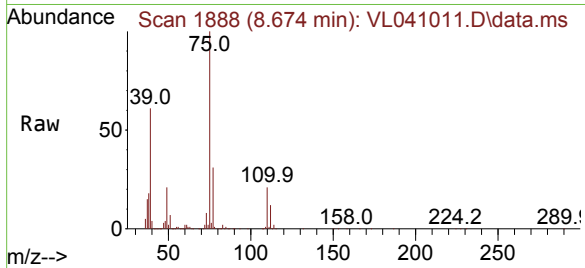




#45
 t-1,3-Dichloropropene
 Concen: 11.307 ppbv
 RT: 8.674 min Scan# 1887
 Delta R.T. 0.000 min
 Lab File: VL041011.D
 Acq: 24 Jan 2024 11:24

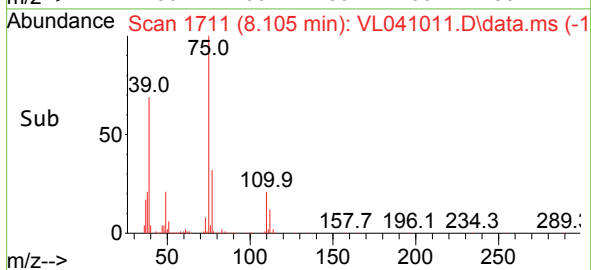
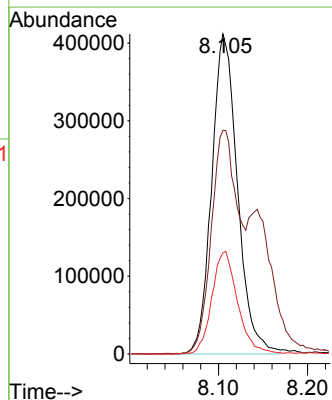
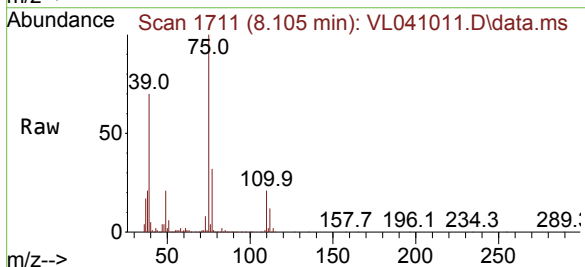
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

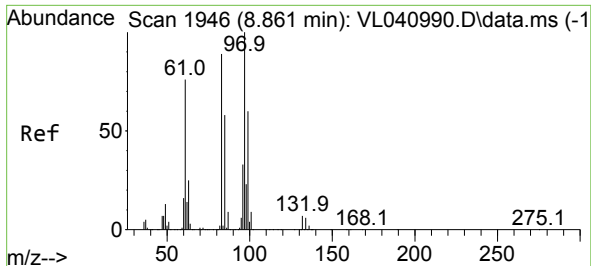
Tgt Ion: 75 Resp: 700945
 Ion Ratio Lower Upper
 75 100
 77 30.6 25.3 37.9



#46
 cis-1,3-Dichloropropene
 Concen: 10.694 ppbv
 RT: 8.105 min Scan# 1711
 Delta R.T. 0.000 min
 Lab File: VL041011.D
 Acq: 24 Jan 2024 11:24

Tgt Ion: 75 Resp: 826725
 Ion Ratio Lower Upper
 75 100
 39 69.8 57.3 85.9
 77 31.5 24.3 36.5





#47

1,1,2-Trichloroethane

Concen: 9.542 ppbv

RT: 8.861 min Scan# 1946

Delta R.T. 0.000 min

Lab File: VL041011.D

Acq: 24 Jan 2024 11:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 97 Resp: 952587

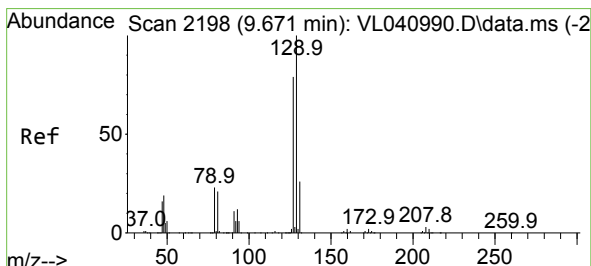
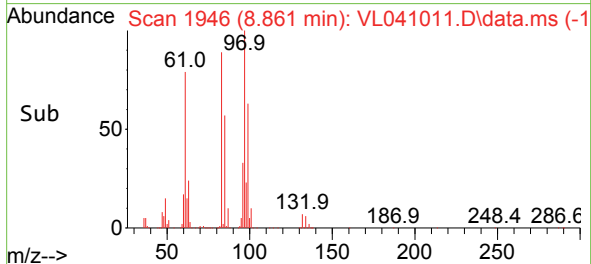
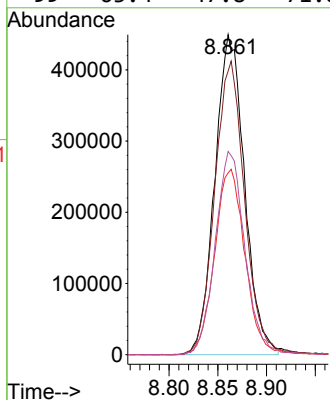
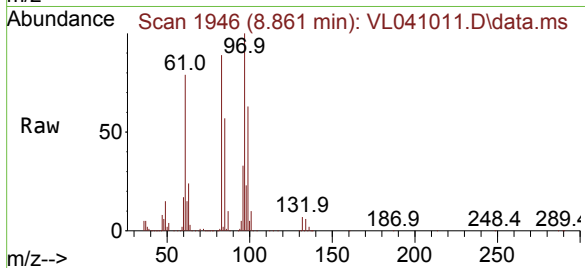
Ion Ratio Lower Upper

97 100

83 88.5 71.5 107.3

85 56.7 46.1 69.1

99 63.4 47.8 71.8



#48

Dibromochloromethane

Concen: 10.151 ppbv

RT: 9.671 min Scan# 2198

Delta R.T. 0.000 min

Lab File: VL041011.D

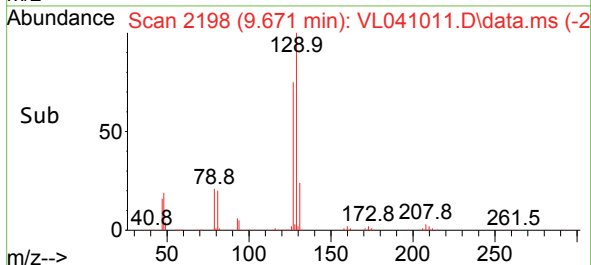
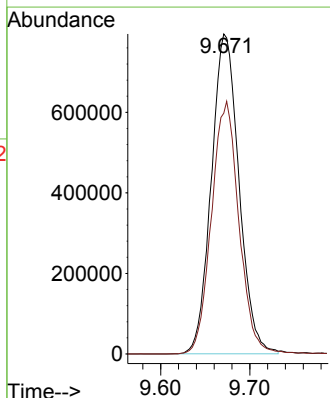
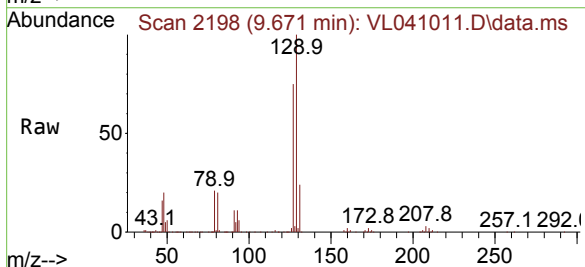
Acq: 24 Jan 2024 11:24

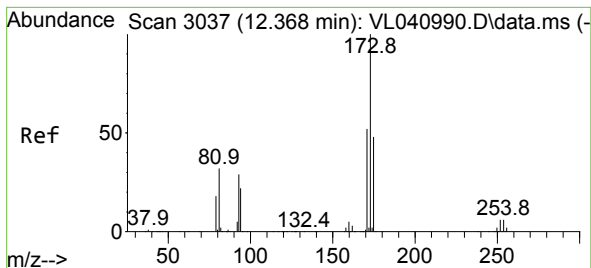
Tgt Ion: 129 Resp: 1713344

Ion Ratio Lower Upper

129 100

127 78.7 39.6 119.0





#49

Bromoform

Concen: 10.588 ppbv

RT: 12.372 min Scan# 3037

Delta R.T. 0.000 min

Lab File: VL041011.D

Acq: 24 Jan 2024 11:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

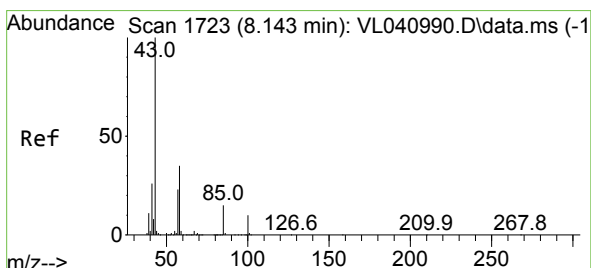
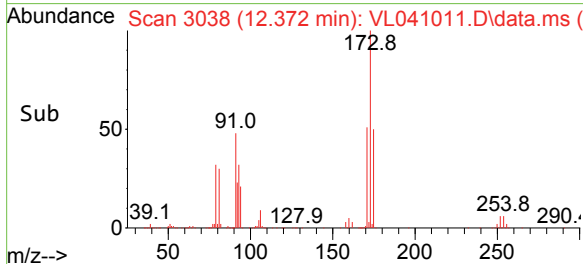
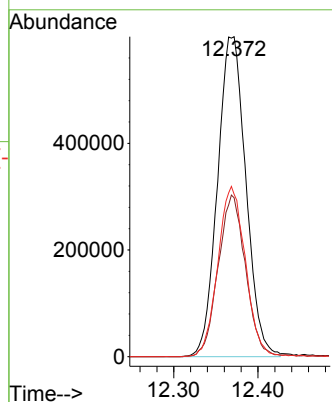
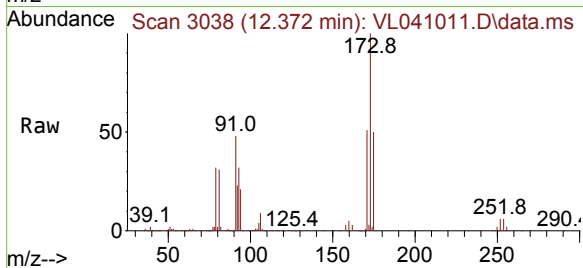
Tgt Ion:173 Resp: 1401807

Ion Ratio Lower Upper

173 100

175 49.0 39.0 58.4

171 52.1 42.0 63.0



#50

4-Methyl-2-Pentanone

Concen: 10.065 ppbv

RT: 8.143 min Scan# 1723

Delta R.T. 0.000 min

Lab File: VL041011.D

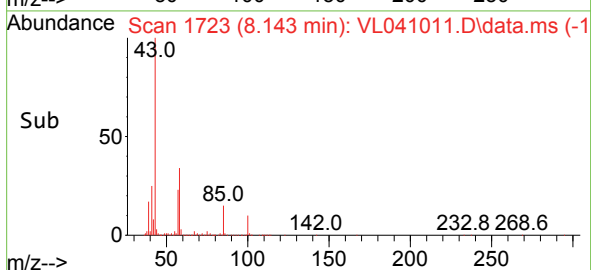
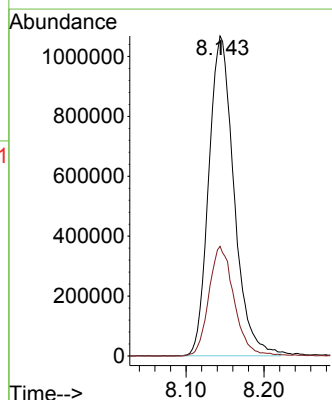
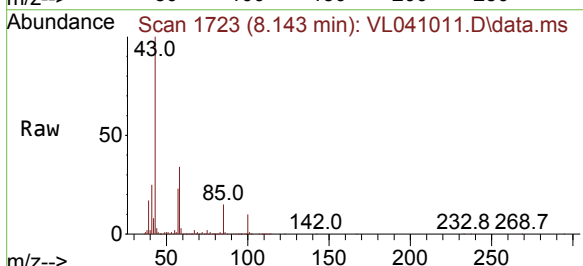
Acq: 24 Jan 2024 11:24

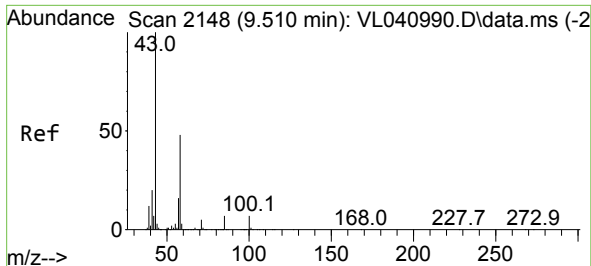
Tgt Ion: 43 Resp: 2403986

Ion Ratio Lower Upper

43 100

58 34.5 27.8 41.8

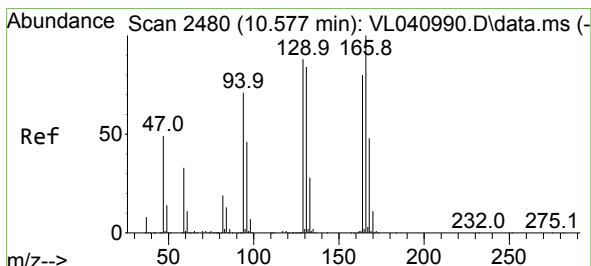
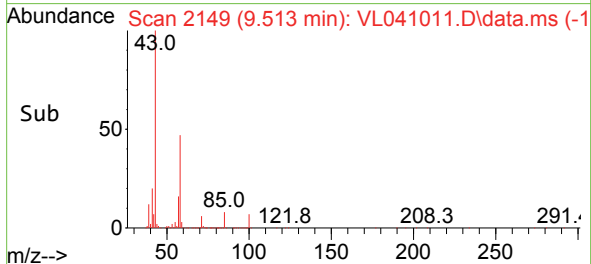
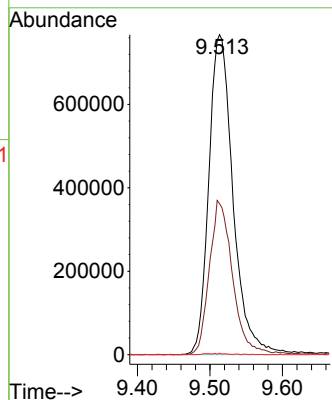
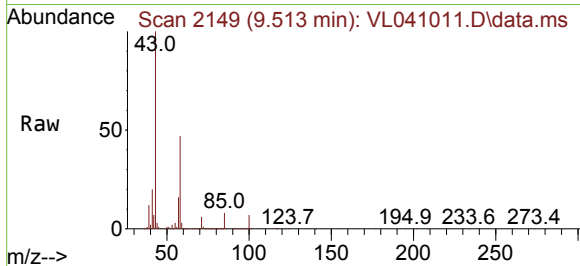




#51
2-Hexanone
Concen: 10.290 ppbv
RT: 9.513 min Scan# 2148
Delta R.T. 0.000 min
Lab File: VL041011.D
Acq: 24 Jan 2024 11:24

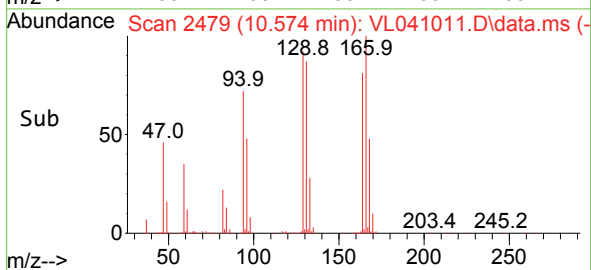
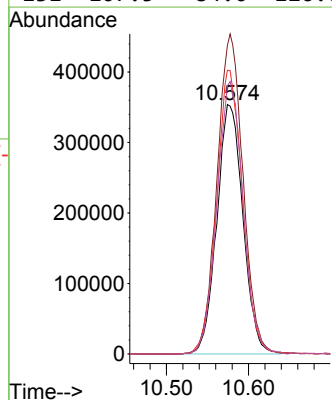
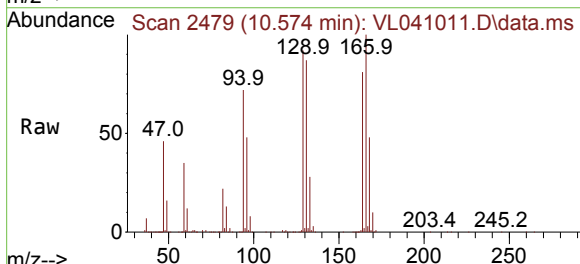
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

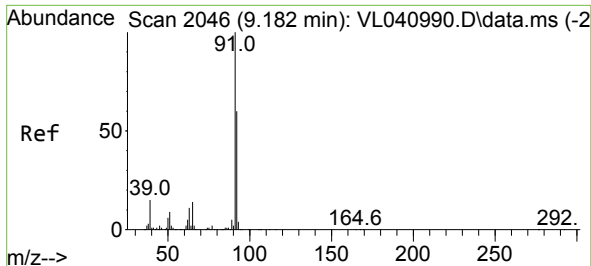
Tgt Ion: 43 Resp: 1771665
Ion Ratio Lower Upper
43 100
58 46.6 36.8 55.2
98 0.4 0.3 0.5



#52
Tetrachloroethene
Concen: 10.014 ppbv
RT: 10.574 min Scan# 2479
Delta R.T. 0.000 min
Lab File: VL041011.D
Acq: 24 Jan 2024 11:24

Tgt Ion: 164 Resp: 781870
Ion Ratio Lower Upper
164 100
166 123.6 100.2 150.2
129 113.7 87.9 131.9
131 107.5 84.0 126.0

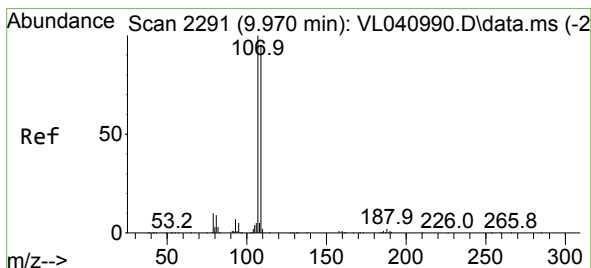
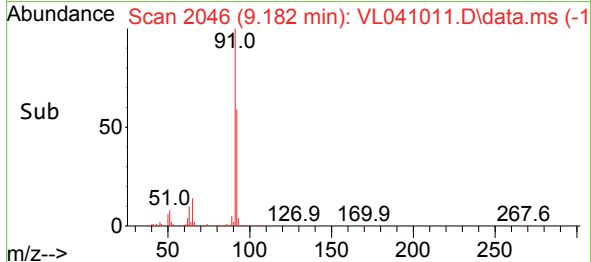
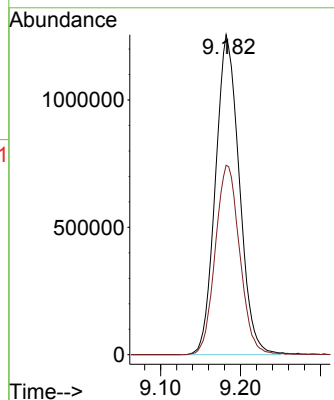
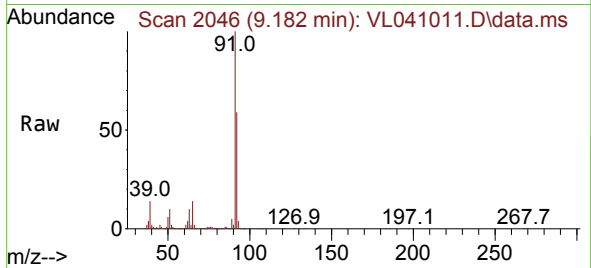




#53
Toluene
Concen: 10.084 ppbv
RT: 9.182 min Scan# 2046
Delta R.T. 0.000 min
Lab File: VL041011.D
Acq: 24 Jan 2024 11:24

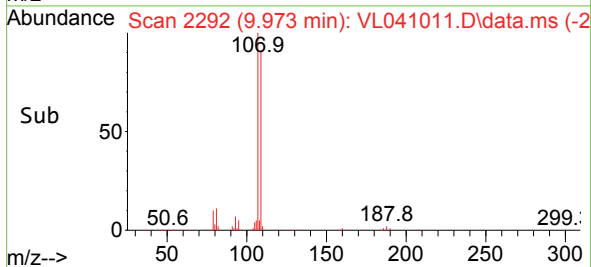
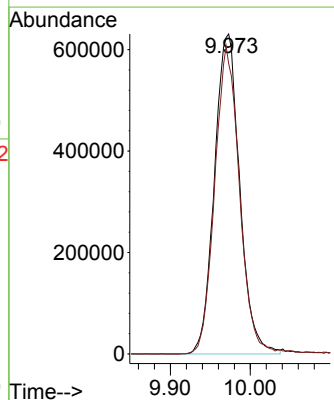
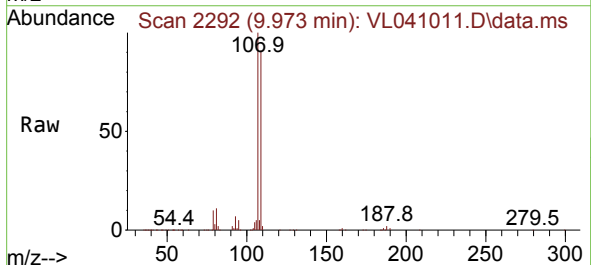
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

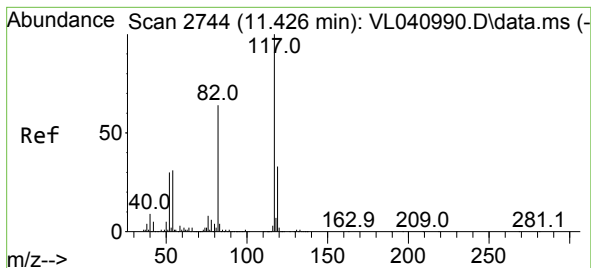
Tgt Ion: 91 Resp: 2597348
Ion Ratio Lower Upper
91 100
92 60.9 48.6 72.8



#54
1,2-Dibromoethane
Concen: 10.245 ppbv
RT: 9.973 min Scan# 2292
Delta R.T. 0.000 min
Lab File: VL041011.D
Acq: 24 Jan 2024 11:24

Tgt Ion: 107 Resp: 1385249
Ion Ratio Lower Upper
107 100
109 90.7 76.1 114.1





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.430 min Scan# 21

Delta R.T. 0.000 min

Lab File: VL041011.D

Acq: 24 Jan 2024 11:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

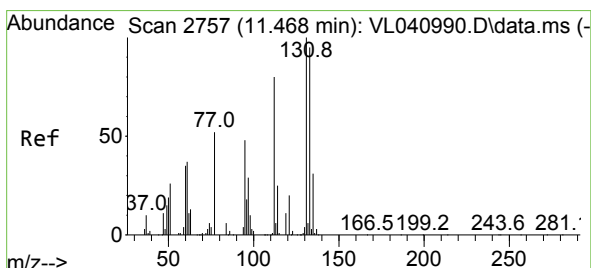
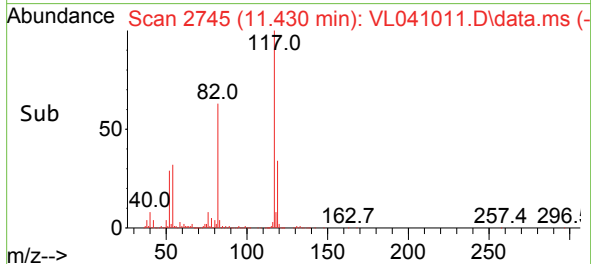
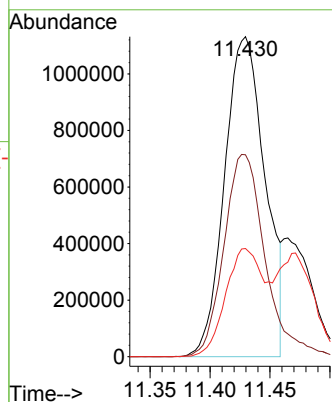
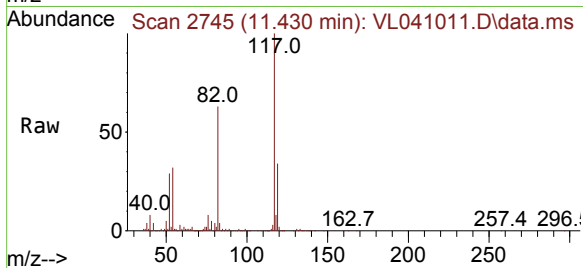
Tgt Ion:117 Resp: 2662768

Ion Ratio Lower Upper

117 100

82 64.9 51.7 77.5

119 31.3 23.8 35.6



#56

1,1,1,2-Tetrachloroethane

Concen: 9.699 ppbv

RT: 11.468 min Scan# 2757

Delta R.T. 0.000 min

Lab File: VL041011.D

Acq: 24 Jan 2024 11:24

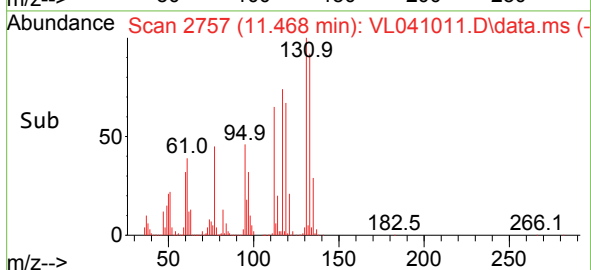
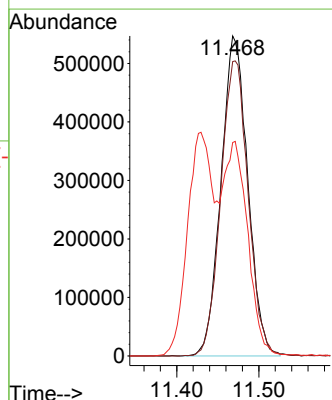
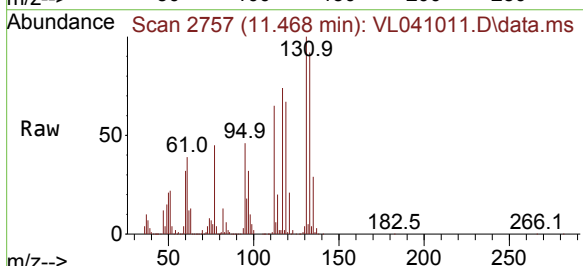
Tgt Ion:131 Resp: 1239123

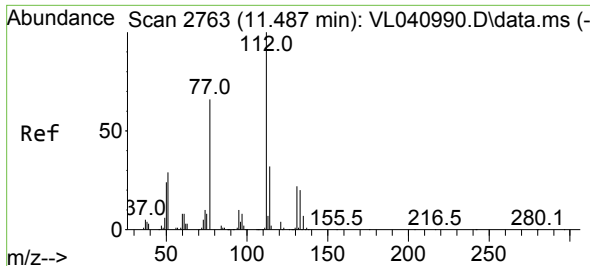
Ion Ratio Lower Upper

131 100

133 94.8 75.9 113.9

119 64.1 49.2 73.8

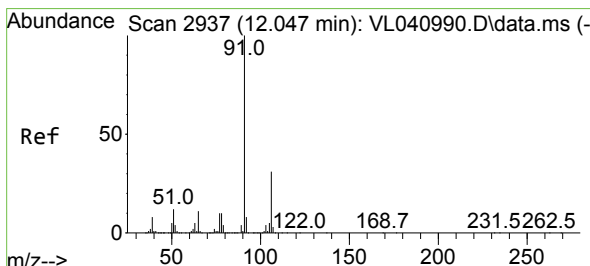
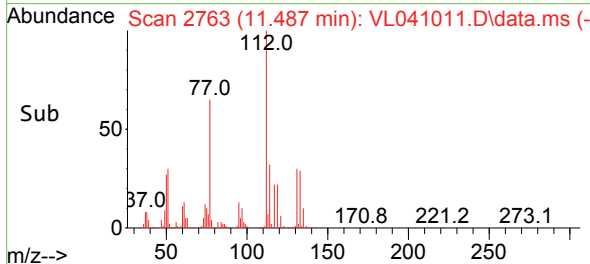
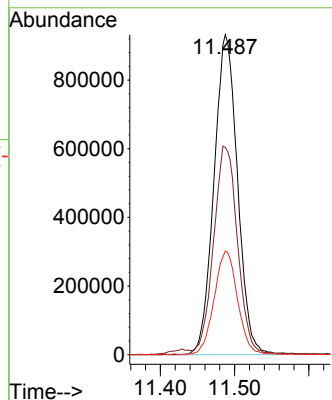
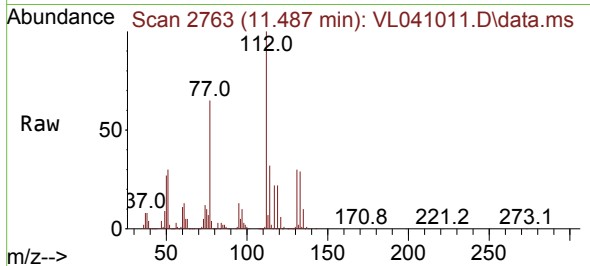




#57
Chlorobenzene
Concen: 9.587 ppbv
RT: 11.487 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL041011.D
Acq: 24 Jan 2024 11:24

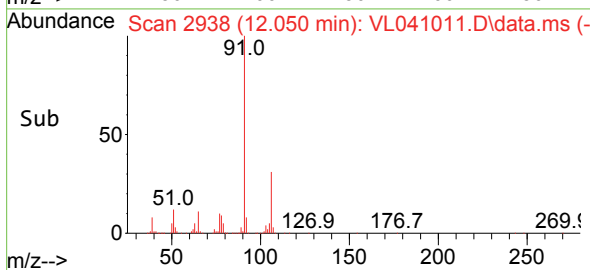
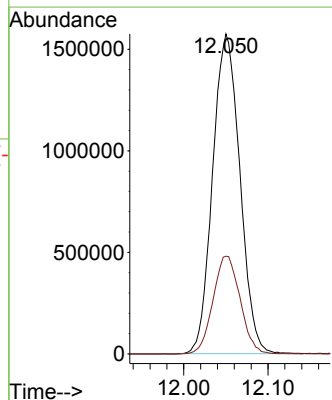
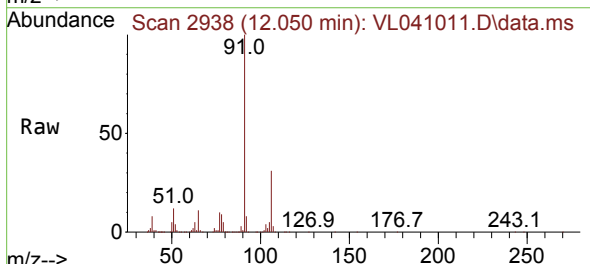
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

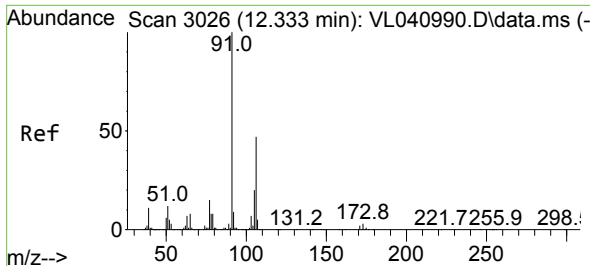
Tgt Ion:112 Resp: 2053381
Ion Ratio Lower Upper
112 100
77 64.3 53.4 80.0
114 32.3 29.1 35.5



#58
Ethyl Benzene
Concen: 9.874 ppbv
RT: 12.050 min Scan# 2938
Delta R.T. 0.000 min
Lab File: VL041011.D
Acq: 24 Jan 2024 11:24

Tgt Ion: 91 Resp: 3530528
Ion Ratio Lower Upper
91 100
106 30.6 24.8 37.2

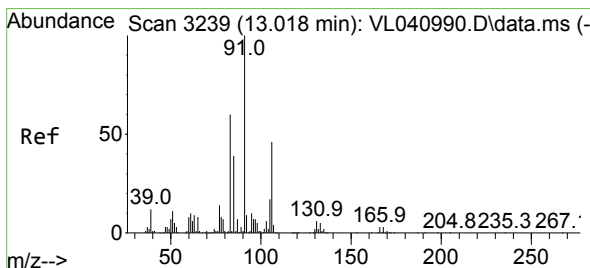
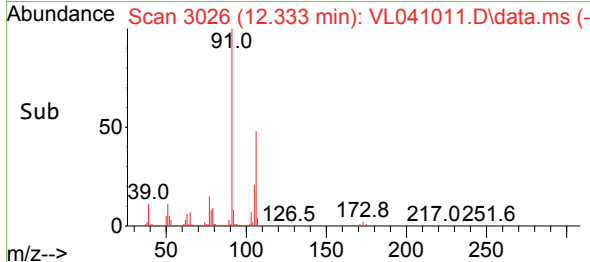
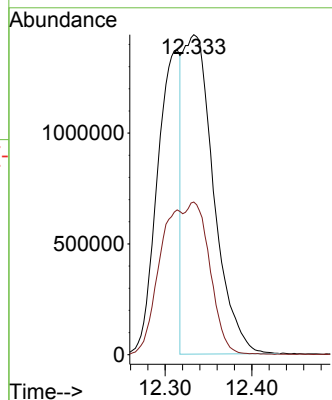
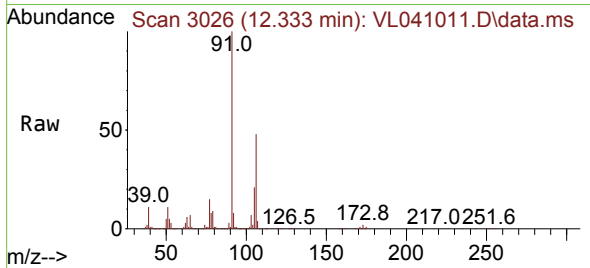




#59
m/p-Xylene
Concen: 11.318 ppbv
RT: 12.333 min Scan# 3026
Delta R.T. 0.000 min
Lab File: VL041011.D
Acq: 24 Jan 2024 11:24

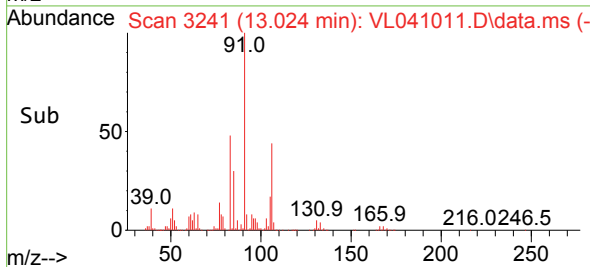
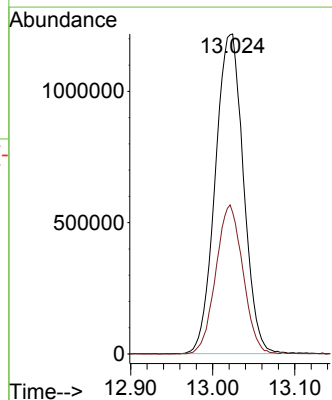
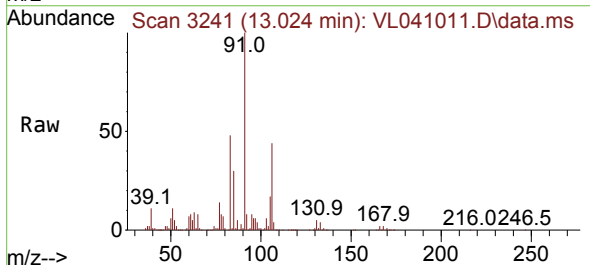
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

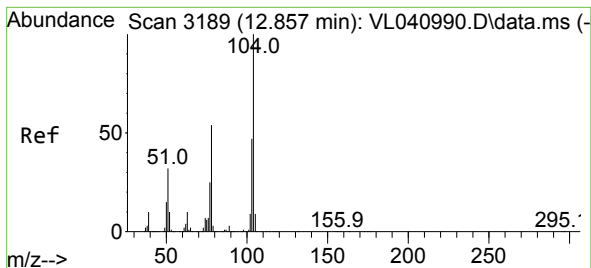
Tgt Ion: 91 Resp: 3528525
Ion Ratio Lower Upper
91 100
106 75.5 34.9 52.3#



#60
o-Xylene
Concen: 9.700 ppbv
RT: 13.024 min Scan# 3241
Delta R.T. 0.000 min
Lab File: VL041011.D
Acq: 24 Jan 2024 11:24

Tgt Ion: 91 Resp: 2901527
Ion Ratio Lower Upper
91 100
106 45.1 22.6 67.7





#61

Styrene

Concen: 10.952 ppbv

RT: 12.860 min Scan# 3189

Delta R.T. 0.000 min

Lab File: VL041011.D

Acq: 24 Jan 2024 11:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

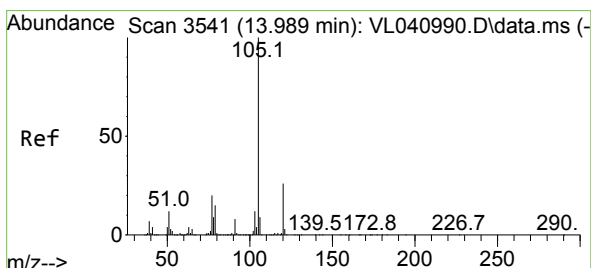
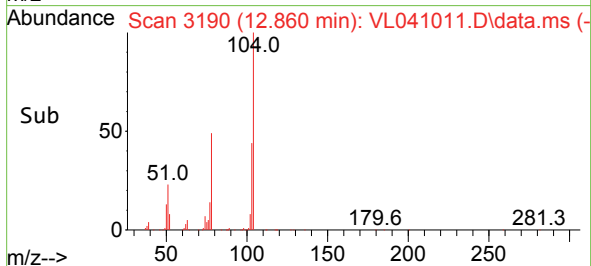
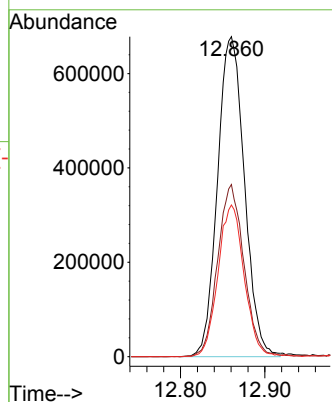
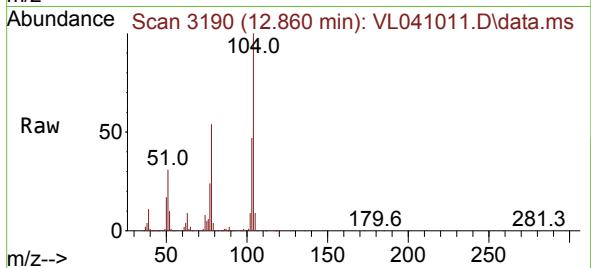
Tgt Ion:104 Resp: 1504272

Ion Ratio Lower Upper

104 100

78 52.7 42.7 64.1

103 46.3 37.6 56.4



#62

Isopropylbenzene

Concen: 9.556 ppbv

RT: 13.992 min Scan# 3542

Delta R.T. 0.000 min

Lab File: VL041011.D

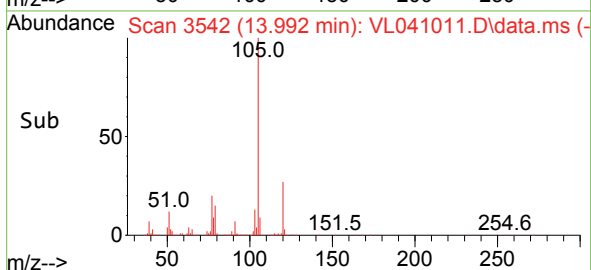
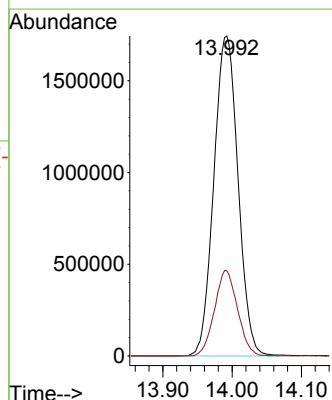
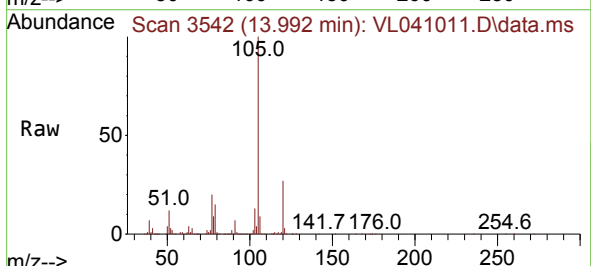
Acq: 24 Jan 2024 11:24

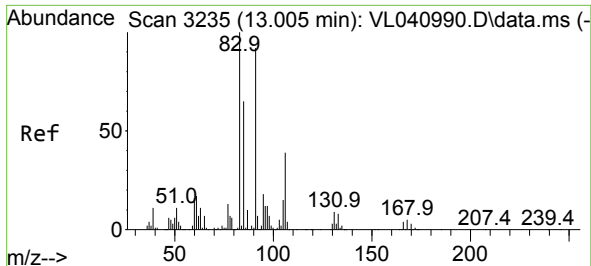
Tgt Ion:105 Resp: 4227305

Ion Ratio Lower Upper

105 100

120 25.6 20.9 31.3

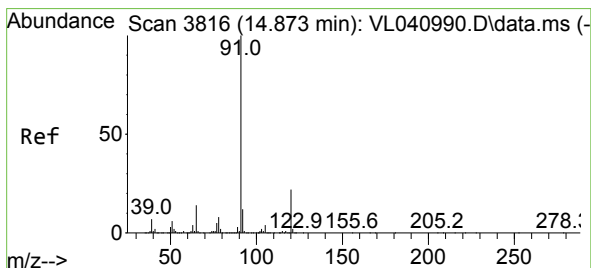
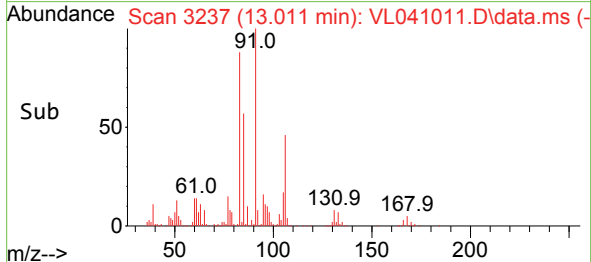
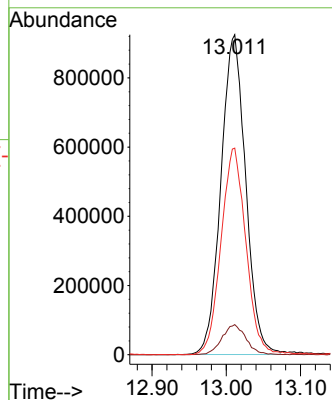
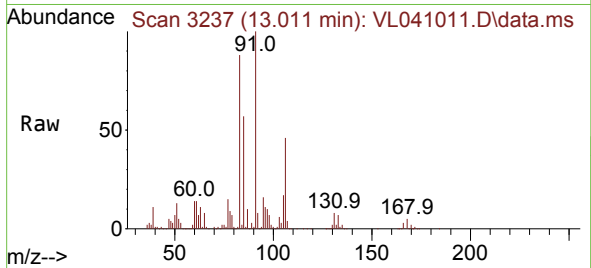




#63
1,1,2,2-Tetrachloroethane
Concen: 9.193 ppbv
RT: 13.011 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL041011.D
Acq: 24 Jan 2024 11:24

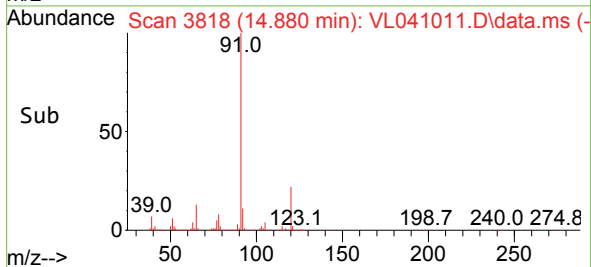
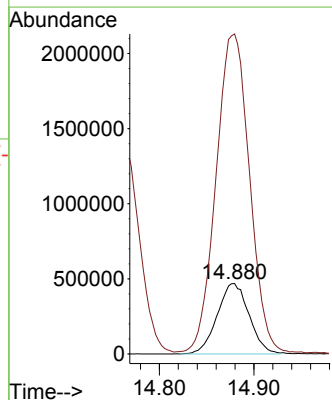
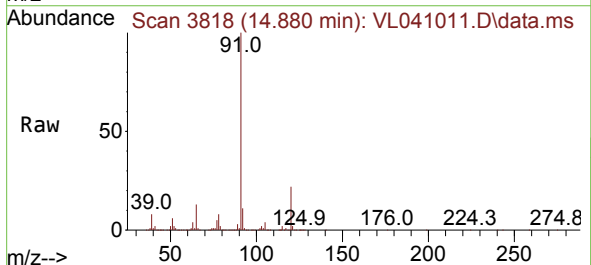
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

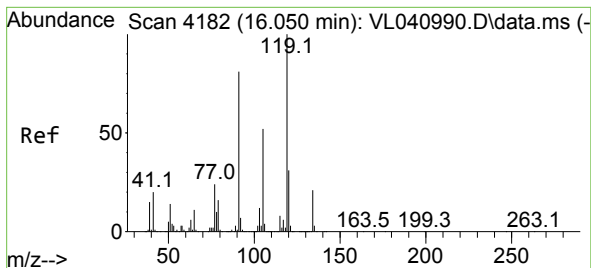
Tgt Ion: 83 Resp: 2137053
Ion Ratio Lower Upper
83 100
131 9.2 4.6 13.8
85 65.1 33.0 99.0



#64
n-propylbenzene
Concen: 9.776 ppbv
RT: 14.880 min Scan# 3818
Delta R.T. 0.000 min
Lab File: VL041011.D
Acq: 24 Jan 2024 11:24

Tgt Ion:120 Resp: 1092560
Ion Ratio Lower Upper
120 100
91 485.4 390.6 585.8





#65

tert-Butylbenzene

Concen: 9.670 ppbv

RT: 16.053 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL041011.D

Acq: 24 Jan 2024 11:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

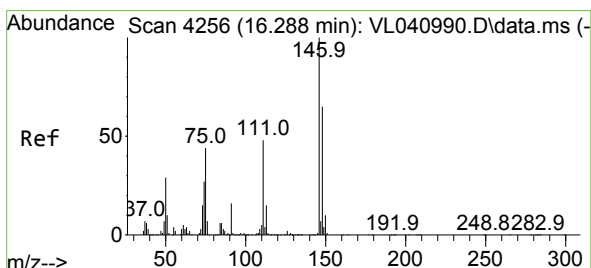
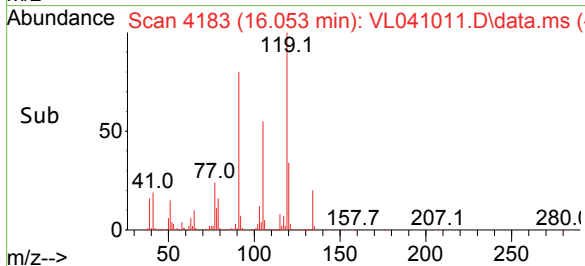
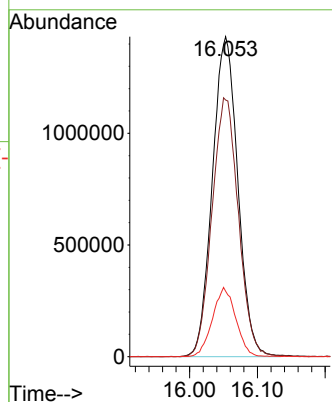
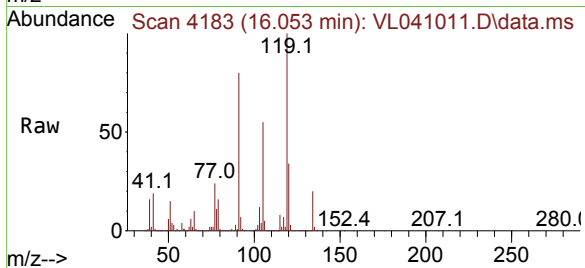
Tgt Ion:119 Resp: 3737276

Ion Ratio Lower Upper

119 100

91 84.0 67.6 101.4

134 19.9 16.1 24.1



#66

Benzyl Chloride

Concen: 10.774 ppbv

RT: 16.291 min Scan# 4257

Delta R.T. 0.000 min

Lab File: VL041011.D

Acq: 24 Jan 2024 11:24

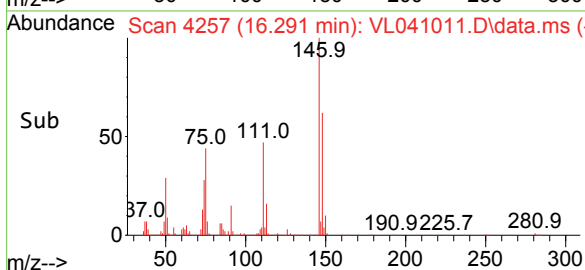
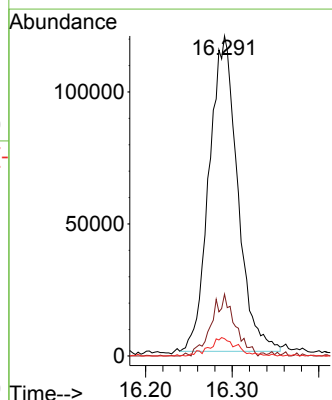
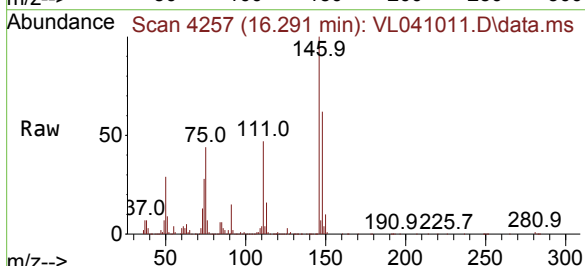
Tgt Ion: 91 Resp: 272862

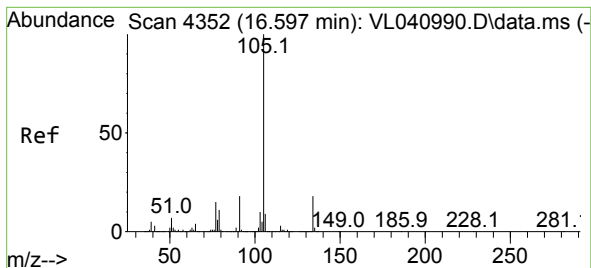
Ion Ratio Lower Upper

91 100

126 16.6 13.6 20.4

128 5.7 4.2 6.2





#67

sec-Butylbenzene

Concen: 9.391 ppbv

RT: 16.597 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL041011.D

Acq: 24 Jan 2024 11:24

Instrument :

MSVOA_L

ClientSampleId :

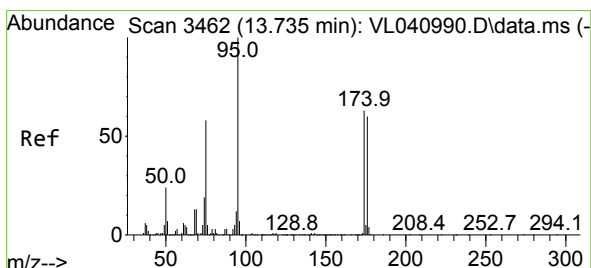
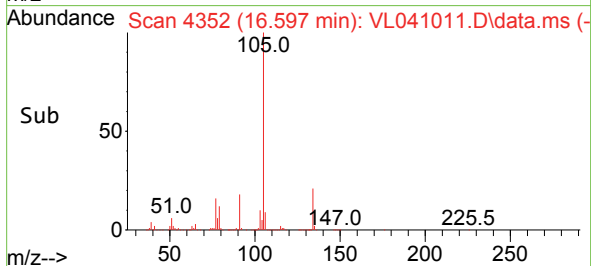
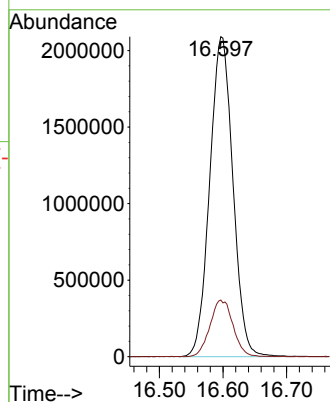
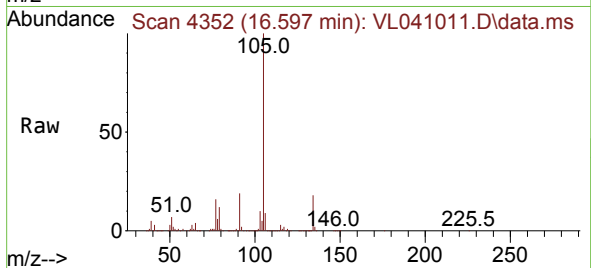
VSTDCCC010

Tgt Ion:105 Resp: 5284785

Ion Ratio Lower Upper

105 100

134 17.7 14.2 21.4



#68

1-Bromo-4-Fluorobenzene

Concen: 10.143 ppbv

RT: 13.738 min Scan# 3463

Delta R.T. 0.000 min

Lab File: VL041011.D

Acq: 24 Jan 2024 11:24

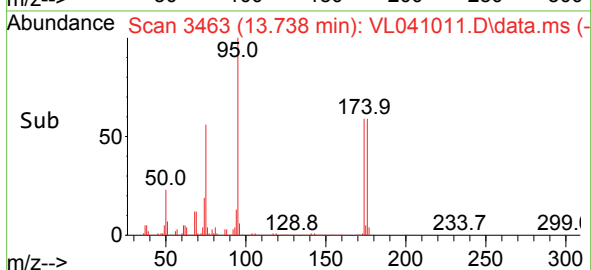
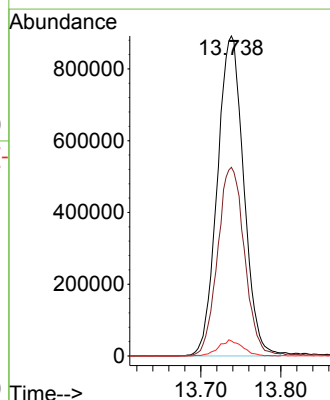
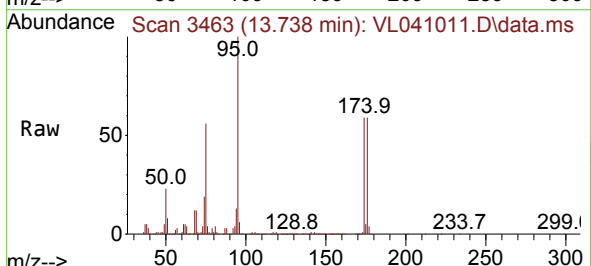
Tgt Ion: 95 Resp: 2039974

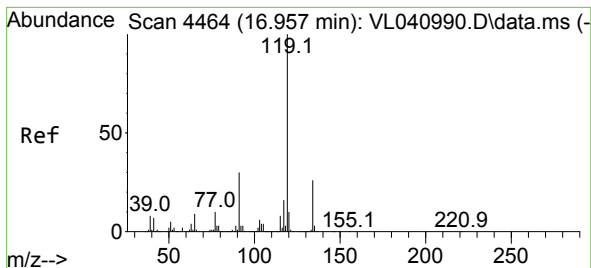
Ion Ratio Lower Upper

95 100

174 60.3 49.1 73.7

175 4.6 3.7 5.5

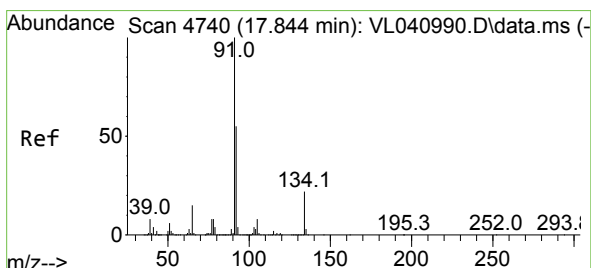
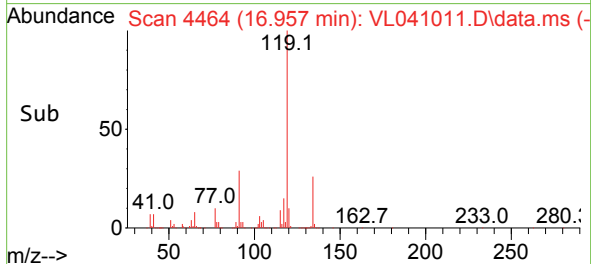
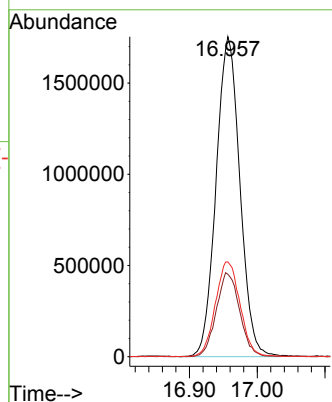
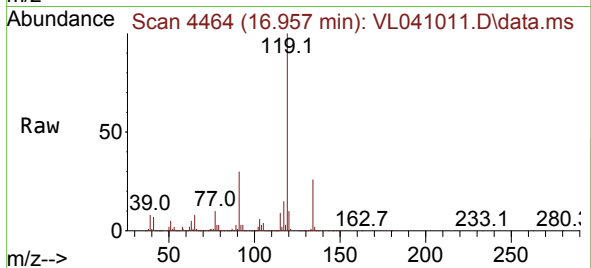




#69
 p-Isopropyltoluene
 Concen: 9.800 ppbv
 RT: 16.957 min Scan# 4464
 Delta R.T. 0.000 min
 Lab File: VL041011.D
 Acq: 24 Jan 2024 11:24

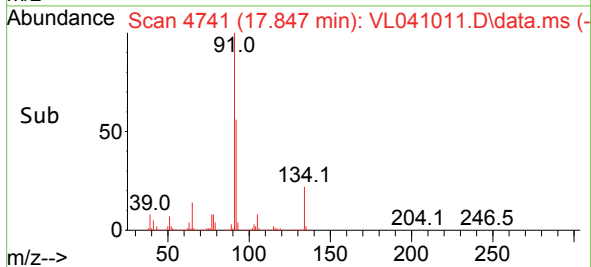
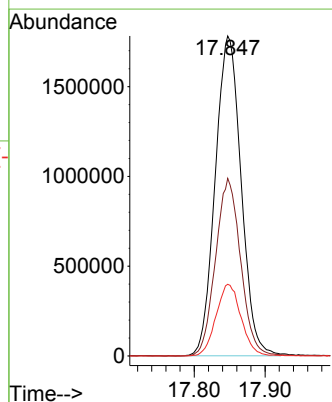
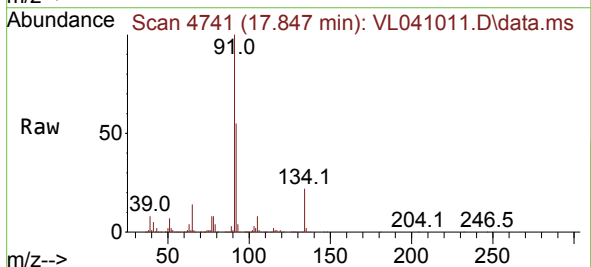
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

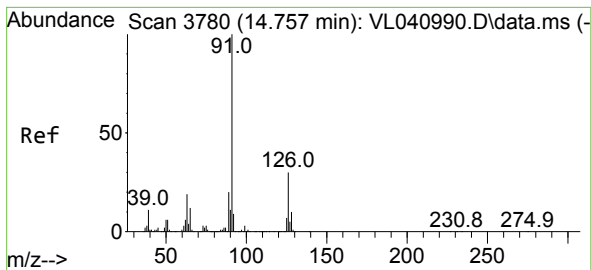
Tgt Ion:119 Resp: 4272226
 Ion Ratio Lower Upper
 119 100
 134 25.9 20.6 30.8
 91 30.8 24.5 36.7



#70
 n-Butylbenzene
 Concen: 9.600 ppbv
 RT: 17.847 min Scan# 4741
 Delta R.T. 0.000 min
 Lab File: VL041011.D
 Acq: 24 Jan 2024 11:24

Tgt Ion: 91 Resp: 4522111
 Ion Ratio Lower Upper
 91 100
 92 53.9 43.4 65.0
 134 21.8 17.4 26.0

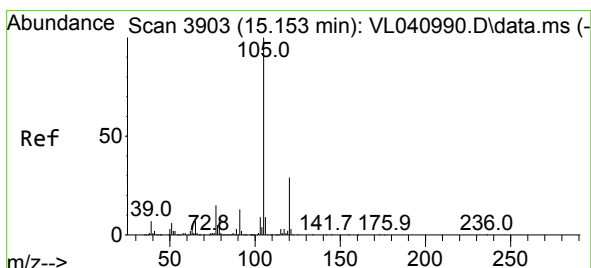
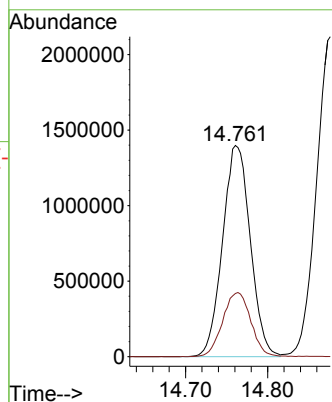
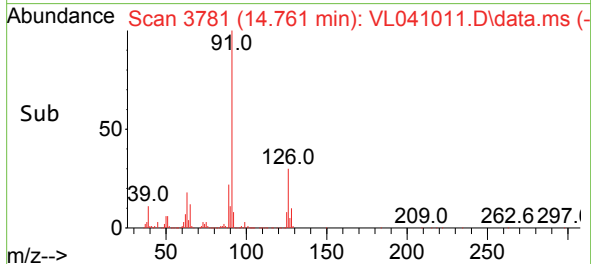
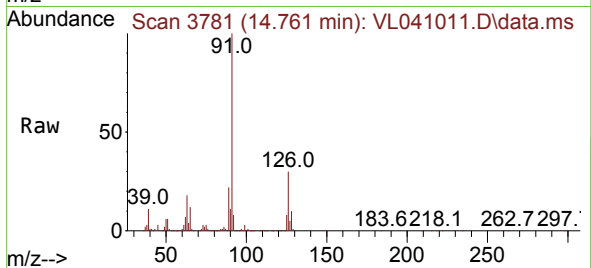




#71
2-Chlorotoluene
Concen: 9.641 ppbv
RT: 14.761 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL041011.D
Acq: 24 Jan 2024 11:24

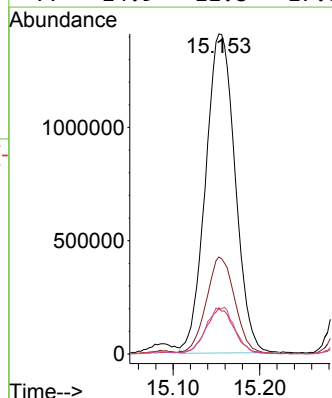
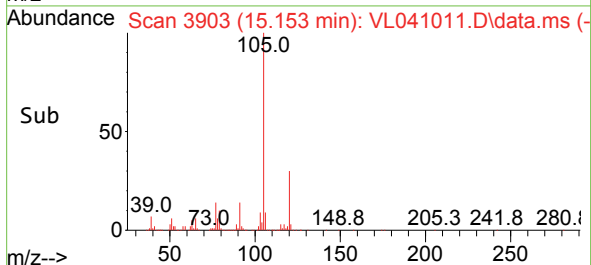
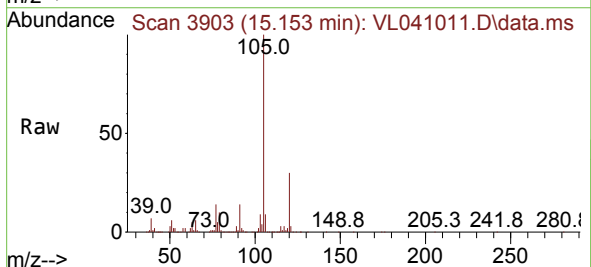
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

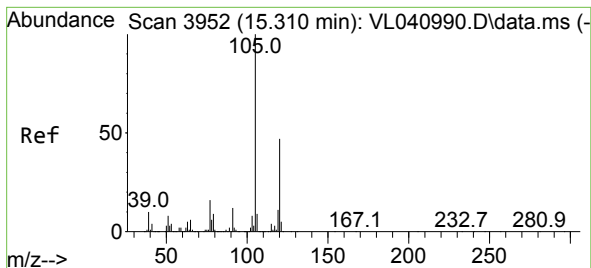
Tgt Ion: 91 Resp: 3290740
Ion Ratio Lower Upper
91 100
126 30.9 12.3 49.1



#72
4-Ethyltoluene
Concen: 10.011 ppbv
RT: 15.153 min Scan# 3903
Delta R.T. 0.000 min
Lab File: VL041011.D
Acq: 24 Jan 2024 11:24

Tgt Ion: 105 Resp: 3344172
Ion Ratio Lower Upper
105 100
120 30.5 24.3 36.5
91 13.8 11.0 16.4
77 14.9 11.8 17.8





#73

1,3,5-Trimethylbenzene

Concen: 9.715 ppbv

RT: 15.314 min Scan# 3952

Delta R.T. 0.000 min

Lab File: VL041011.D

Acq: 24 Jan 2024 11:24

Instrument :

MSVOA_L

ClientSampleId :

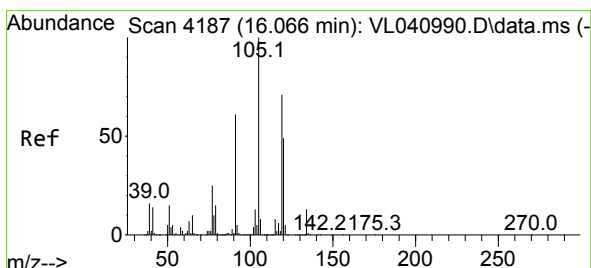
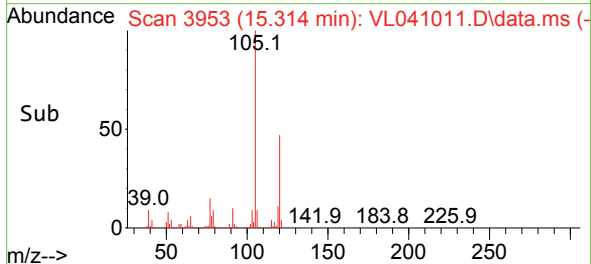
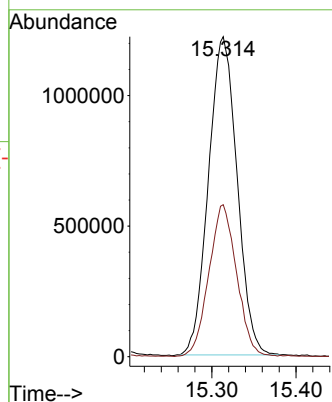
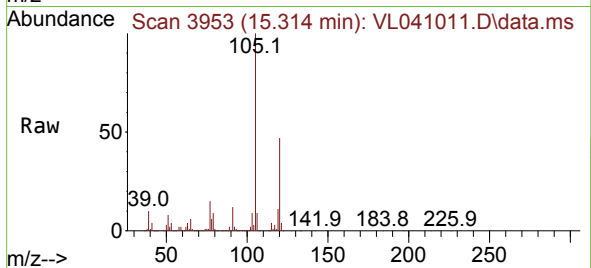
VSTDCCC010

Tgt Ion:105 Resp: 2880156

Ion Ratio Lower Upper

105 100

120 47.4 37.2 55.8



#74

1,2,4-Trimethylbenzene

Concen: 9.468 ppbv

RT: 16.069 min Scan# 4188

Delta R.T. 0.000 min

Lab File: VL041011.D

Acq: 24 Jan 2024 11:24

Tgt Ion:105 Resp: 3182241

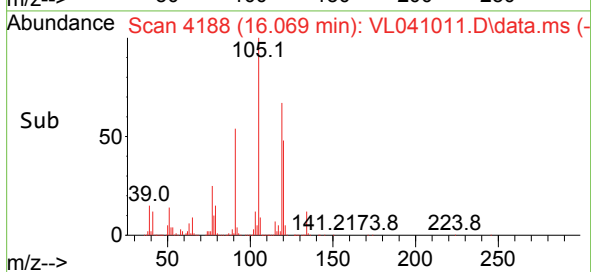
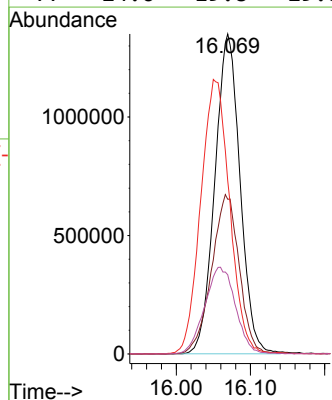
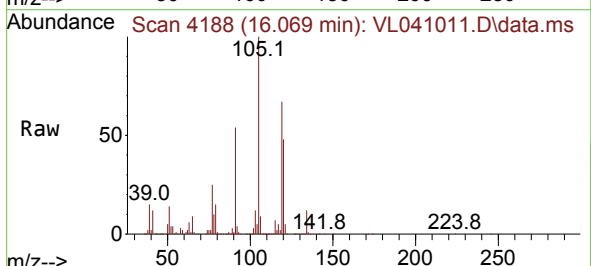
Ion Ratio Lower Upper

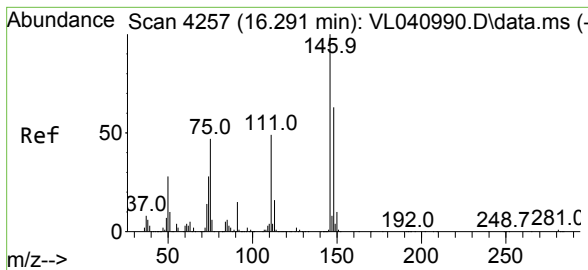
105 100

120 48.1 39.3 58.9

91 53.8 48.7 73.1

77 24.6 19.8 29.8

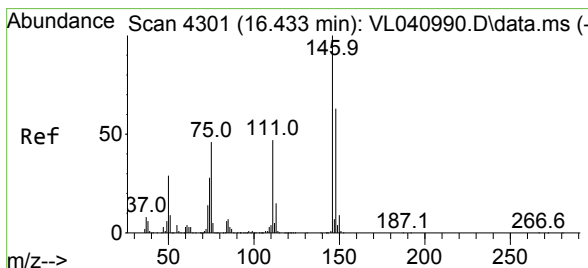
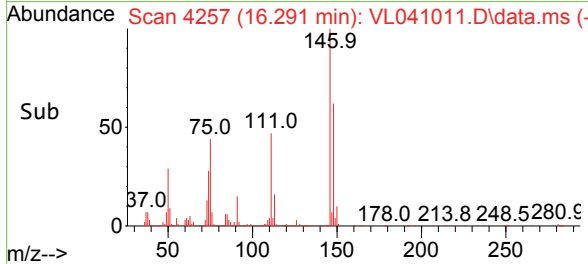
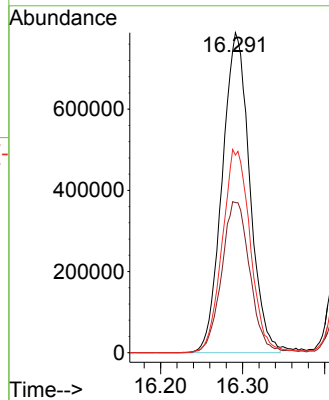
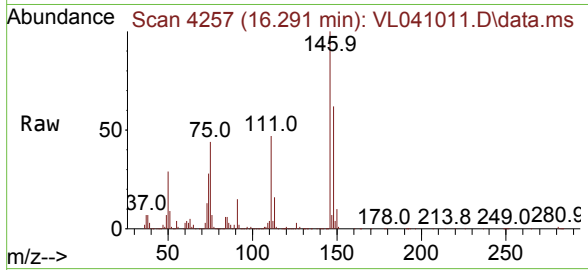




#75
1,3-Dichlorobenzene
Concen: 9.592 ppbv
RT: 16.291 min Scan# 4257
Delta R.T. 0.000 min
Lab File: VL041011.D
Acq: 24 Jan 2024 11:24

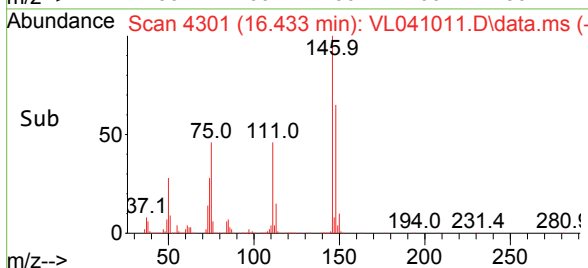
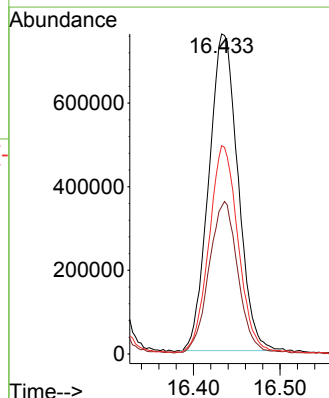
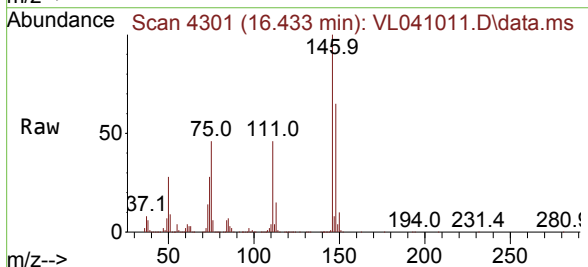
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

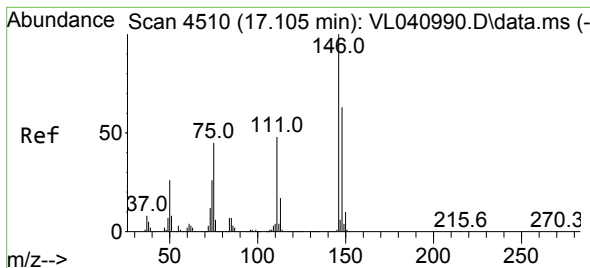
Tgt Ion:146 Resp: 1834662
Ion Ratio Lower Upper
146 100
111 48.5 24.4 73.2
148 64.9 32.5 97.4



#76
1,4-Dichlorobenzene
Concen: 9.385 ppbv
RT: 16.433 min Scan# 4301
Delta R.T. 0.000 min
Lab File: VL041011.D
Acq: 24 Jan 2024 11:24

Tgt Ion:146 Resp: 1771283
Ion Ratio Lower Upper
146 100
111 48.9 24.0 72.0
148 67.0 32.9 98.7





#77

1,2-Dichlorobenzene

Concen: 9.341 ppbv

RT: 17.105 min Scan# 4510

Delta R.T. 0.000 min

Lab File: VL041011.D

Acq: 24 Jan 2024 11:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

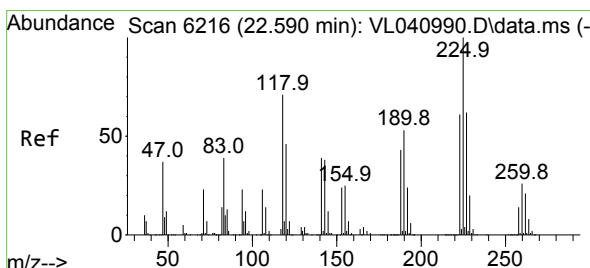
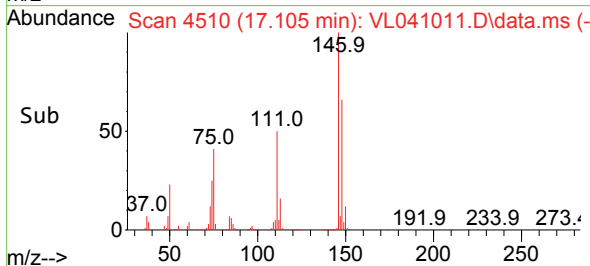
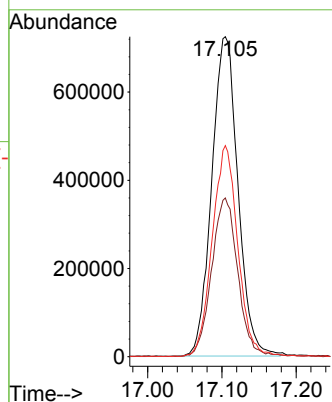
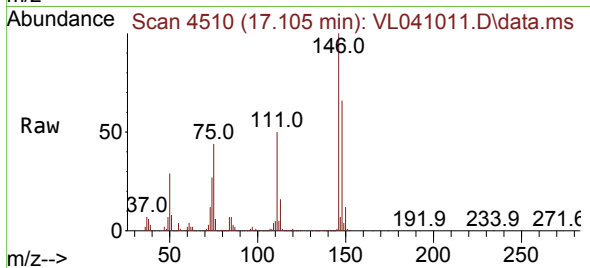
Tgt Ion:146 Resp: 1775835

Ion Ratio Lower Upper

146 100

111 49.9 24.8 74.3

148 64.9 31.8 95.3



#78

Hexachloro-1,3-Butadiene

Concen: 8.365 ppbv

RT: 22.590 min Scan# 6216

Delta R.T. 0.000 min

Lab File: VL041011.D

Acq: 24 Jan 2024 11:24

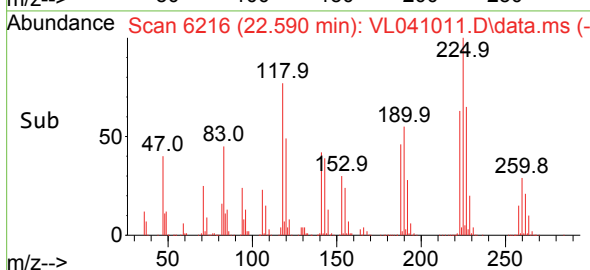
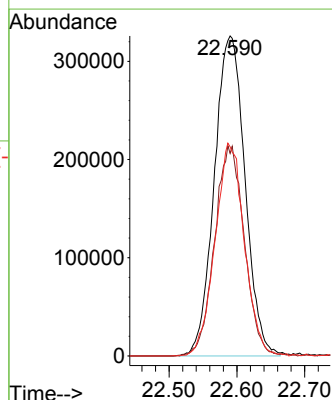
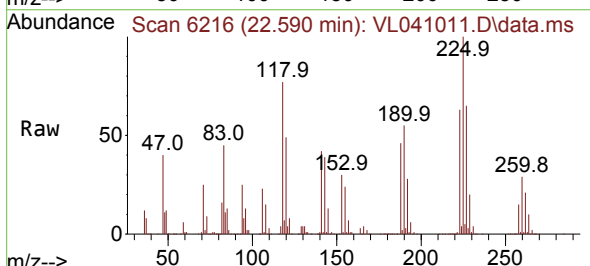
Tgt Ion:225 Resp: 1025582

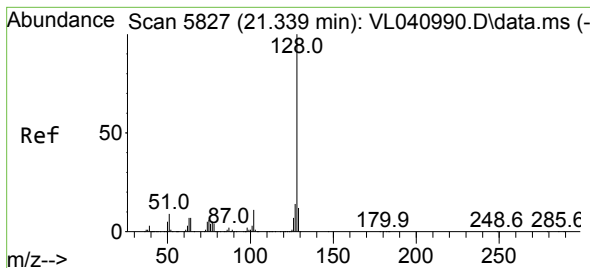
Ion Ratio Lower Upper

225 100

223 64.0 51.1 76.7

227 63.7 51.0 76.4





#79

Naphthalene

Concen: 12.542 ppbv

RT: 21.339 min Scan# 5827

Delta R.T. 0.000 min

Lab File: VL041011.D

Acq: 24 Jan 2024 11:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

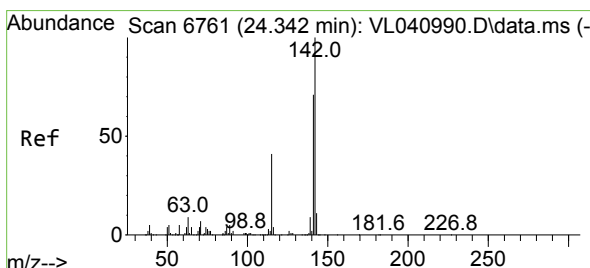
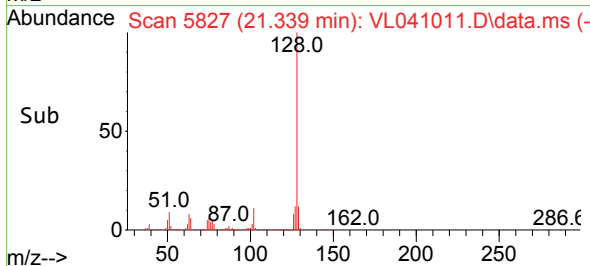
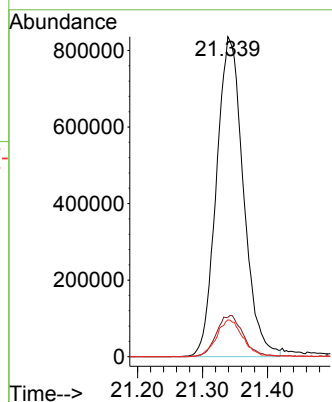
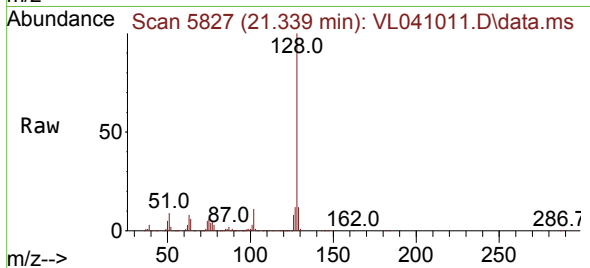
Tgt Ion:128 Resp: 2404709

Ion Ratio Lower Upper

128 100

127 12.3 10.9 16.3

129 11.5 9.3 13.9



#80

Naphthalene,2-methyl-

Concen: 14.385 ppbv

RT: 24.342 min Scan# 6761

Delta R.T. 0.000 min

Lab File: VL041011.D

Acq: 24 Jan 2024 11:24

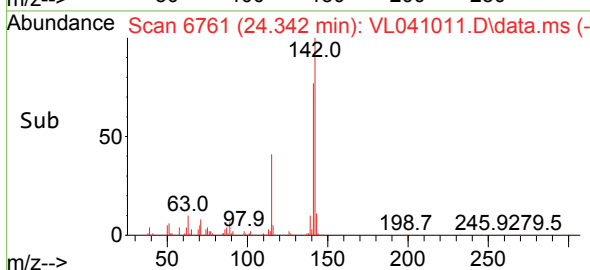
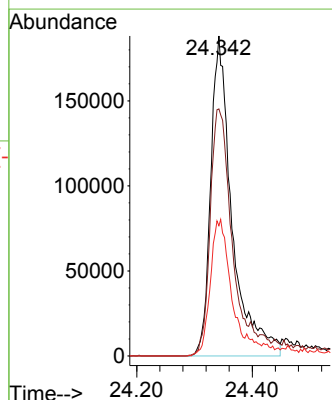
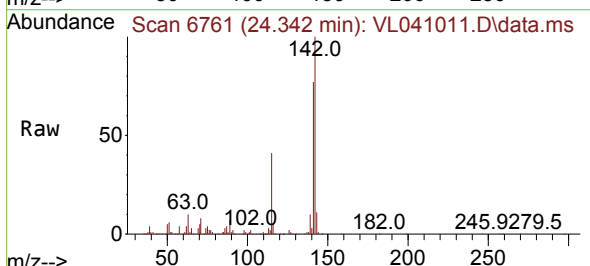
Tgt Ion:142 Resp: 484398

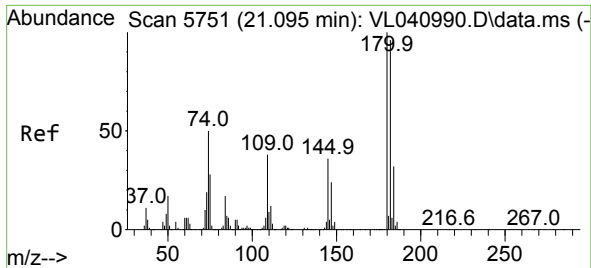
Ion Ratio Lower Upper

142 100

141 87.4 62.7 94.1

115 45.1 34.0 51.0





#81
 1,2,4-Trichlorobenzene
 Concen: 10.365 ppbv
 RT: 21.098 min Scan# 51
 Delta R.T. 0.000 min
 Lab File: VL041011.D
 Acq: 24 Jan 2024 11:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:180 Resp: 1159422

Ion	Ratio	Lower	Upper
180	100		
182	98.4	78.6	118.0
184	31.1	24.4	36.6

