

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060424\
 Data File : VL041307.D
 Acq On : 4 Jun 2024 16:01
 Operator : SY/MD
 Sample : VL0604ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0604ABS01

Quant Time: Jun 05 05:27:28 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060424AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022

QLast Update : Wed Jun 05 04:42:10 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.205	49	965801	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.661	114	2561967	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	2516085	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.773	95	1934373	9.957	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.600%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.755	85	1606047	10.413	ppbv	100
3) Chlorodifluoromethane	2.700	51	1416549	9.281	ppbv	99
4) Chloromethane	2.838	50	531485	9.252	ppbv	97
5) Vinyl Chloride	2.944	62	550673	9.516	ppbv	96
6) Bromomethane	3.140	94	169114	8.219	ppbv	86
7) Chloroethane	3.218	64	187256	9.398	ppbv	94
8) Dichlorotetrafluoroethane	2.880	85	1331092	9.385	ppbv	97
9) Propene	2.719	41	505077	9.291	ppbv	99
10) Heptane	7.584	43	1224922	9.506	ppbv	99
11) Trichlorofluoromethane	3.581	101	1365711	9.633	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.079	101	917129	9.158	ppbv	97
13) Ethanol	3.259	45	84299	5.960	ppbv	96
14) Bromoethene	3.388	108	396565	9.784	ppbv	99
15) Acetone	3.488	43	990572	8.983	ppbv	100
16) 1,3-Butadiene	3.009	39	537634	9.699	ppbv	99
17) tert-Butyl alcohol	3.893	59	937017	9.230	ppbv	100
18) 1,1-Dichloroethene	3.896	96	420886	9.852	ppbv	95
19) Isopropyl Alcohol	3.594	45	628698	9.075	ppbv #	99
20) Methylene Chloride	3.947	84	340922	8.506	ppbv	97
21) Allyl Chloride	4.012	41	660291	9.452	ppbv	100
22) trans-1,2-Dichloroethene	4.459	96	435977	9.793	ppbv	93
23) Vinyl Acetate	4.639	43	1219255	10.811	ppbv	99
24) 1,1-Dichloroethane	4.578	63	933945	9.414	ppbv	100
25) Ethyl Acetate	5.214	43	2061034	9.448	ppbv	100
26) Hexane	5.224	57	907546	9.251	ppbv	98
27) Carbon Disulfide	4.140	76	1126506	10.367	ppbv	99
28) Methyl tert-Butyl Ether	4.600	73	665483	9.153	ppbv	99
29) Chloroform	5.285	83	1433373	9.523	ppbv	99
30) Cyclohexane	6.610	84	771861	9.707	ppbv	97
31) cis-1,2-Dichloroethene	5.092	61	922931	9.956	ppbv	99
32) 1,1,1-Trichloroethane	6.012	97	1440898	10.107	ppbv	98
34) 2-Butanone	4.796	43	1238210	10.088	ppbv	100
35) Carbon Tetrachloride	6.504	117	1481096	10.172	ppbv	96
36) Benzene	6.378	78	1905633	9.597	ppbv	99
37) 1,2-Dichloroethane	5.816	62	1126076	9.727	ppbv	99
38) Trichloroethene	7.295	130	750129	9.321	ppbv	99
39) 1,2-Dichloropropane	7.082	63	735429	9.301	ppbv	98
40) 1,4-Dioxane	7.295	88	215116	7.428	ppbv #	1
41) Tetrahydrofuran	5.568	42	784014	9.817	ppbv	99
42) Bromodichloromethane	7.253	83	1612568	9.698	ppbv	100
43) Methyl Methacrylate	7.481	69	772043	10.204	ppbv	99
44) 2,2,4-Trimethylpentane	7.333	57	3177090	9.303	ppbv	99
45) t-1,3-Dichloropropene	8.712	75	484390	9.488	ppbv	98

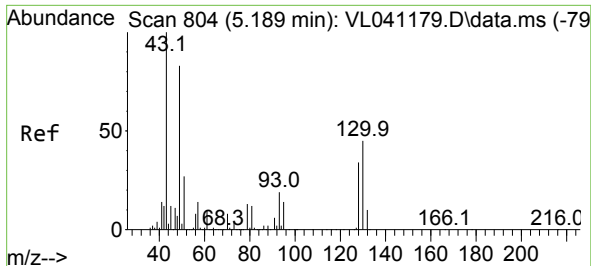
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060424\
 Data File : VL041307.D
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Quant Time: Jun 05 05:27:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060424AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Jun 05 04:42:10 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.147	75	616567	9.382	ppbv	97
47) 1,1,2-Trichloroethane	8.902	97	792333	9.589	ppbv	98
48) Dibromochloromethane	9.712	129	1386073	10.178	ppbv	100
49) Bromoform	12.404	173	1153881	10.515	ppbv	99
50) 4-Methyl-2-Pentanone	8.182	43	1989975	9.795	ppbv	100
51) 2-Hexanone	9.552	43	1459365	10.106	ppbv	100
52) Tetrachloroethene	10.616	164	683713	9.441	ppbv	95
53) Toluene	9.224	91	2250193	9.851	ppbv	99
54) 1,2-Dibromoethane	10.011	107	1044366	9.695	ppbv	98
56) 1,1,1,2-Tetrachloroethane	11.510	131	996134	9.360	ppbv	94
57) Chlorobenzene	11.526	112	1694942	9.069	ppbv	99
58) Ethyl Benzene	12.089	91	3035730	9.413	ppbv	99
59) m/p-Xylene	12.371	91	2405832	8.706	ppbv #	22
60) o-Xylene	13.056	91	2446828	9.288	ppbv	99
61) Styrene	12.892	104	1311105	10.152	ppbv	100
62) Isopropylbenzene	14.027	105	3675651	9.226	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.044	83	1751916	9.347	ppbv	99
64) n-propylbenzene	14.915	120	967409	9.421	ppbv	98
65) tert-Butylbenzene	16.085	119	3245412	9.163	ppbv	99
66) Benzyl Chloride	16.323	91	155619	6.678	ppbv	97
67) sec-Butylbenzene	16.632	105	4617503	9.228	ppbv	100
69) p-Isopropyltoluene	16.992	119	3873254	9.393	ppbv	100
70) n-Butylbenzene	17.883	91	4072153	9.519	ppbv	100
71) 2-Chlorotoluene	14.799	91	2837007	9.304	ppbv	100
72) 4-Ethyltoluene	15.191	105	2991820	9.749	ppbv	99
73) 1,3,5-Trimethylbenzene	15.346	105	2594739	9.741	ppbv	98
74) 1,2,4-Trimethylbenzene	16.104	105	2839068	9.425	ppbv	93
75) 1,3-Dichlorobenzene	16.326	146	1712320	9.683	ppbv	100
76) 1,4-Dichlorobenzene	16.471	146	1657286	9.379	ppbv	100
77) 1,2-Dichlorobenzene	17.140	146	1666375	9.413	ppbv	100
78) Hexachloro-1,3-Butadiene	22.628	225	1211353	8.350	ppbv	99
79) Naphthalene	21.378	128	2916888	11.159	ppbv	99
80) Naphthalene,2-methyl-	24.371	142	851013	9.641	ppbv	96
81) 1,2,4-Trichlorobenzene	21.133	180	1406257	9.648	ppbv #	99

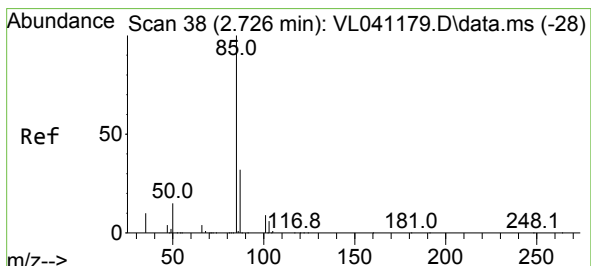
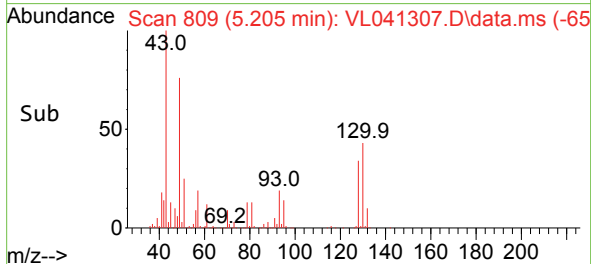
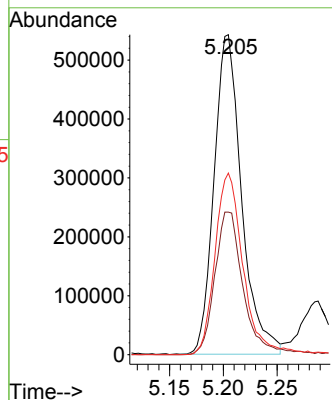
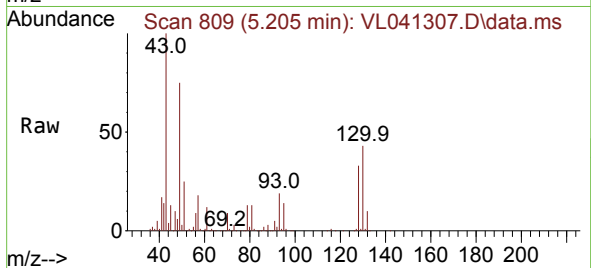
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.205 min Scan# 804
 Delta R.T. -0.000 min
 Lab File: VL041307.D
 Acq: 4 Jun 2024 16:01

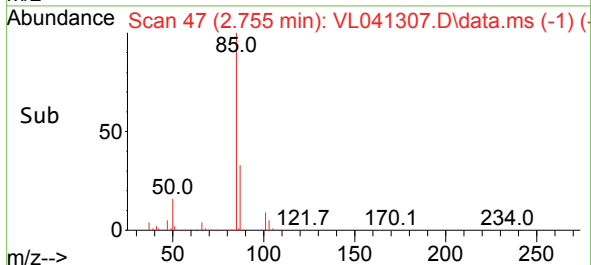
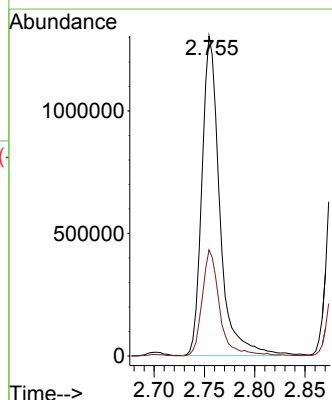
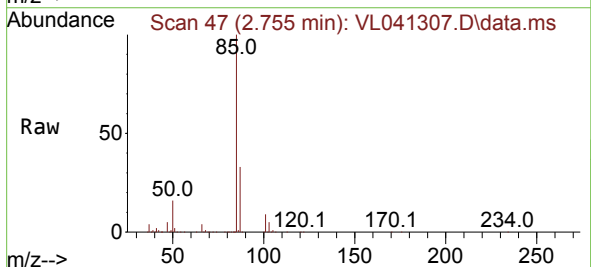
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0604ABS01

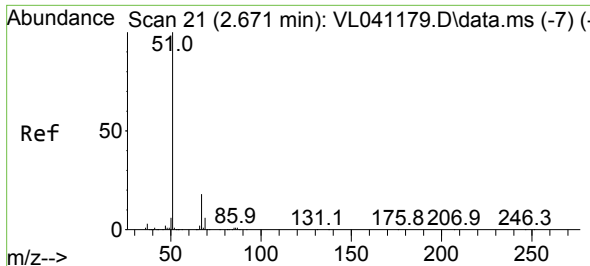
Tgt Ion: 49 Resp: 965801
 Ion Ratio Lower Upper
 49 100
 128 46.7 22.8 68.3
 130 59.1 28.4 85.3



#2
 Dichlorodifluoromethane
 Concen: 10.413 ppbv
 RT: 2.755 min Scan# 47
 Delta R.T. -0.003 min
 Lab File: VL041307.D
 Acq: 4 Jun 2024 16:01

Tgt Ion: 85 Resp: 1606047
 Ion Ratio Lower Upper
 85 100
 87 33.1 26.5 39.7

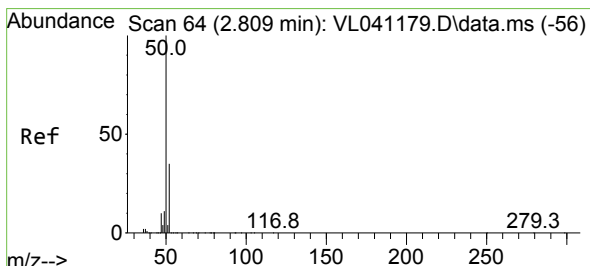
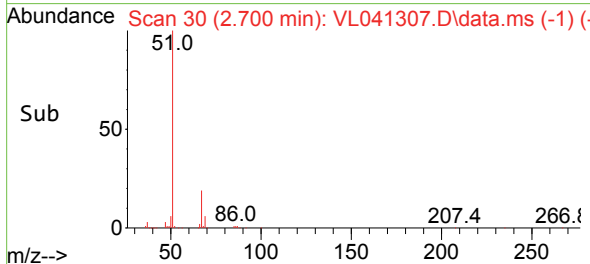
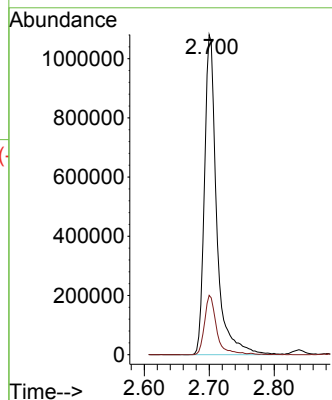
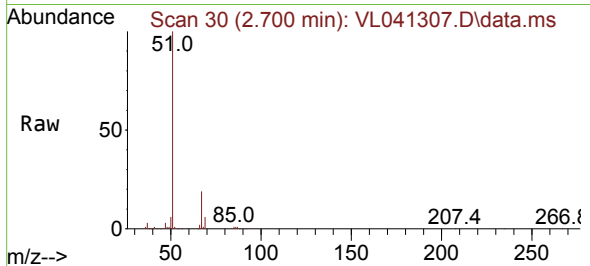




#3
Chlorodifluoromethane
Concen: 9.281 ppbv
RT: 2.700 min Scan# 30
Delta R.T. -0.003 min
Lab File: VL041307.D
Acq: 4 Jun 2024 16:01

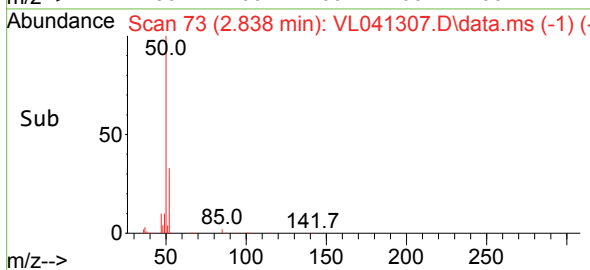
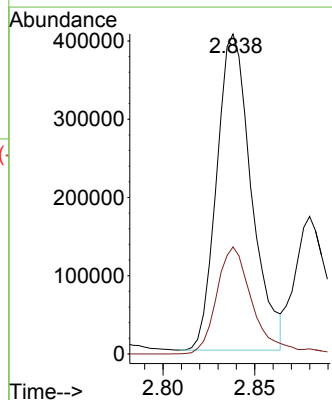
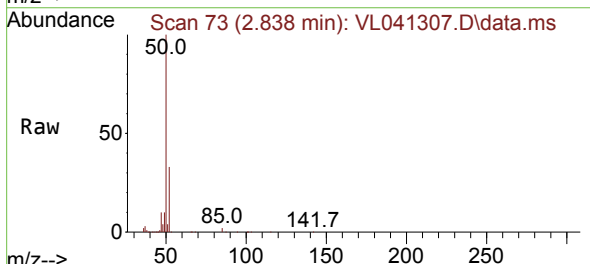
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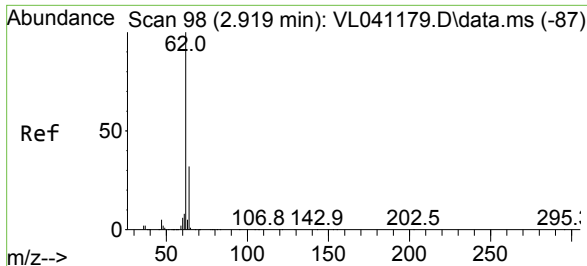
Tgt Ion: 51 Resp: 1416549
Ion Ratio Lower Upper
51 100
67 18.6 14.7 22.1



#4
Chloromethane
Concen: 9.252 ppbv
RT: 2.838 min Scan# 73
Delta R.T. -0.000 min
Lab File: VL041307.D
Acq: 4 Jun 2024 16:01

Tgt Ion: 50 Resp: 531485
Ion Ratio Lower Upper
50 100
52 33.8 25.6 38.4

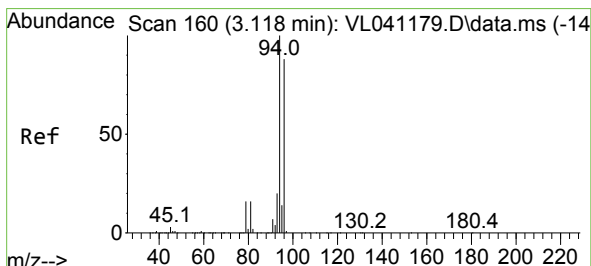
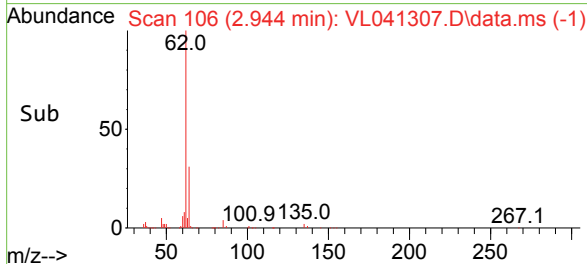
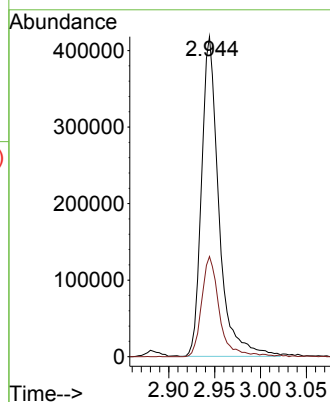
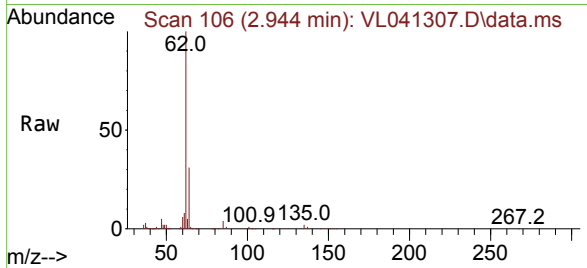




#5
 Vinyl Chloride
 Concen: 9.516 ppbv
 RT: 2.944 min Scan# 106
 Delta R.T. -0.000 min
 Lab File: VL041307.D
 Acq: 4 Jun 2024 16:01

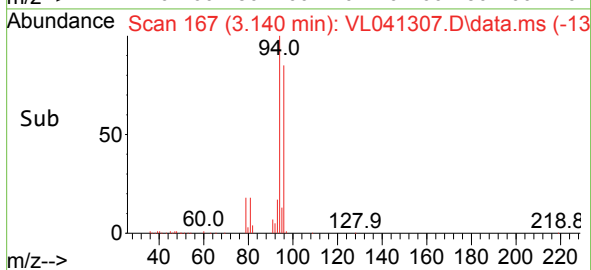
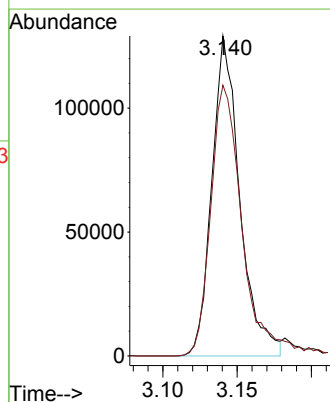
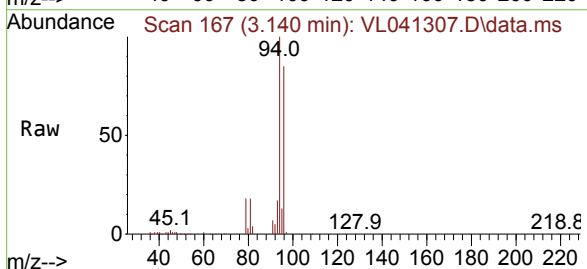
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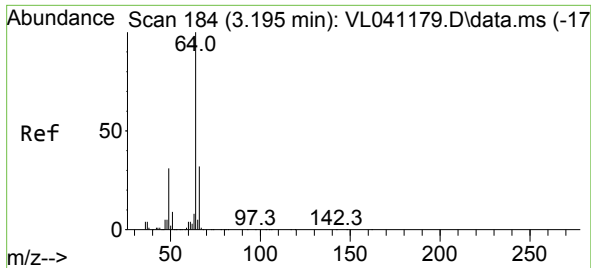
Tgt Ion: 62 Resp: 550673
 Ion Ratio Lower Upper
 62 100
 64 31.3 26.6 40.0



#6
 Bromomethane
 Concen: 8.219 ppbv
 RT: 3.140 min Scan# 167
 Delta R.T. -0.003 min
 Lab File: VL041307.D
 Acq: 4 Jun 2024 16:01

Tgt Ion: 94 Resp: 169114
 Ion Ratio Lower Upper
 94 100
 96 84.5 78.6 117.8

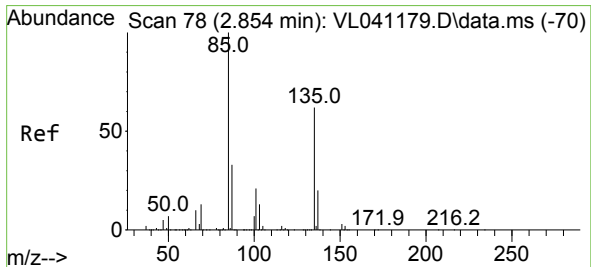
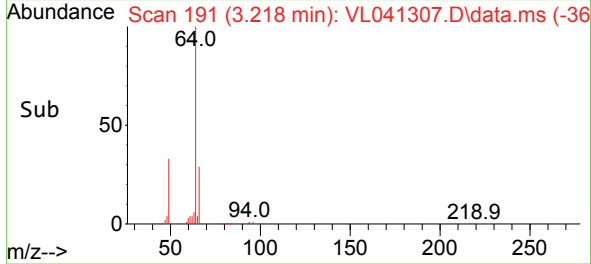
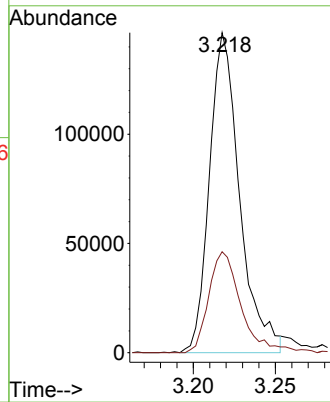
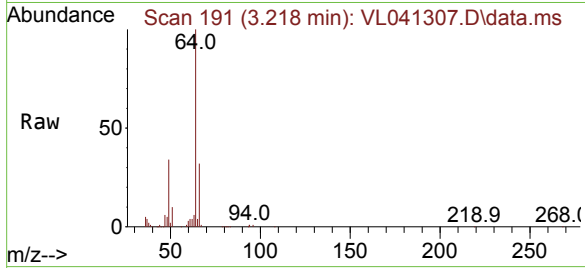




#7
Chloroethane
Concen: 9.398 ppbv
RT: 3.218 min Scan# 191
Delta R.T. -0.000 min
Lab File: VL041307.D
Acq: 4 Jun 2024 16:01

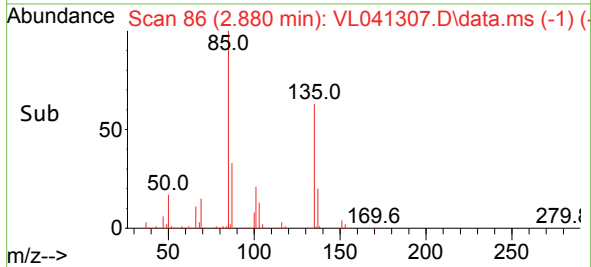
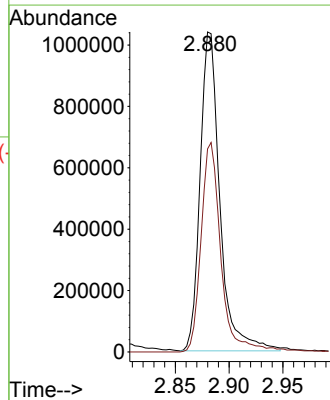
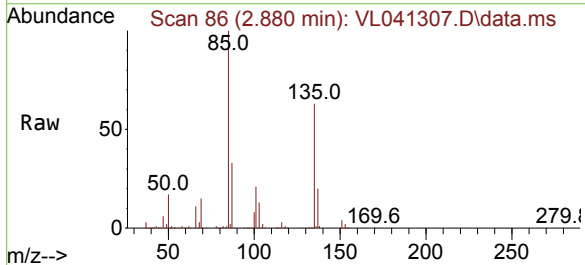
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ClientSampleId :
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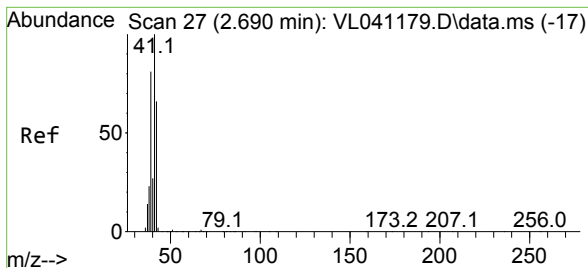
Tgt Ion: 64 Resp: 187256
Ion Ratio Lower Upper
64 100
66 31.6 28.1 42.1



#8
Dichlorotetrafluoroethane
Concen: 9.385 ppbv
RT: 2.880 min Scan# 86
Delta R.T. -0.003 min
Lab File: VL041307.D
Acq: 4 Jun 2024 16:01

Tgt Ion: 85 Resp: 1331092
Ion Ratio Lower Upper
85 100
135 66.7 51.7 77.5





#9

Propene

Concen: 9.291 ppbv

RT: 2.719 min Scan# 30

Delta R.T. -0.003 min

Lab File: VL041307.D

Acq: 4 Jun 2024 16:01

Instrument :

MSVOA_L

ClientSampleId :

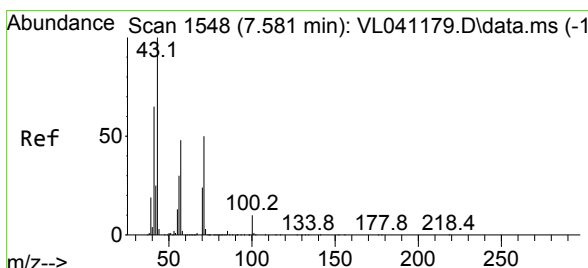
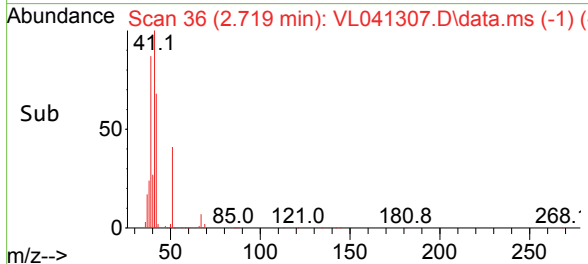
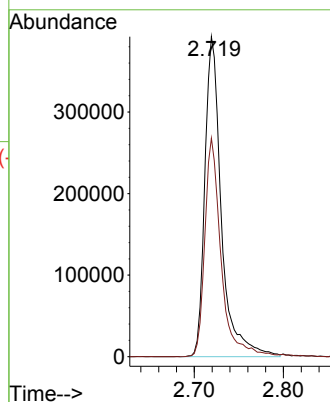
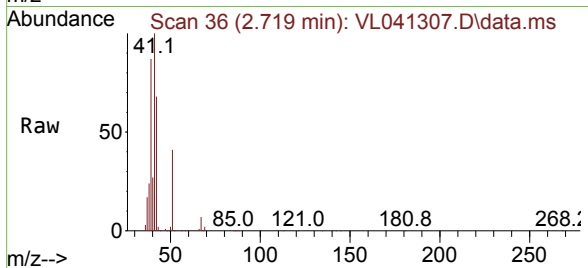
VL0604ABS01

Tgt Ion: 41 Resp: 505077

Ion Ratio Lower Upper

41 100

42 67.9 55.2 82.8



#10

Heptane

Concen: 9.506 ppbv

RT: 7.584 min Scan# 1549

Delta R.T. 0.003 min

Lab File: VL041307.D

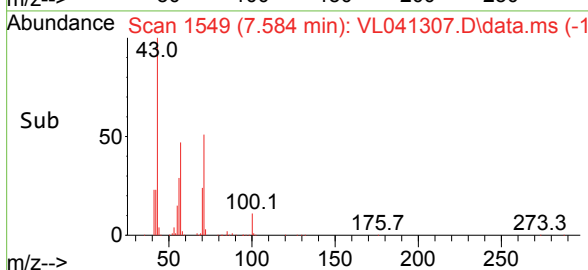
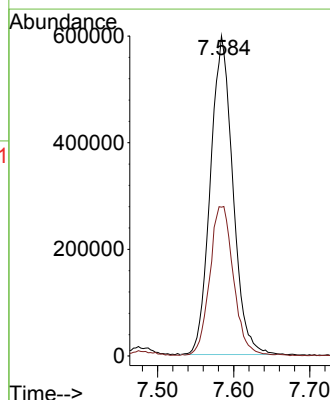
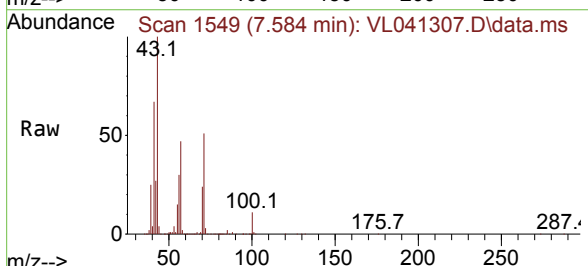
Acq: 4 Jun 2024 16:01

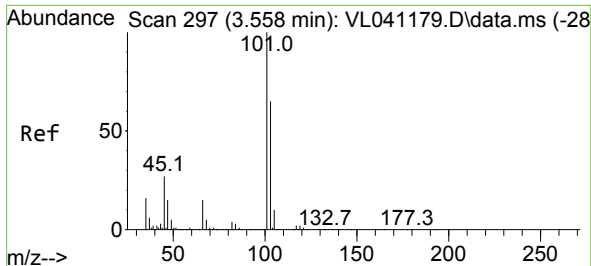
Tgt Ion: 43 Resp: 1224922

Ion Ratio Lower Upper

43 100

57 49.7 39.0 58.4

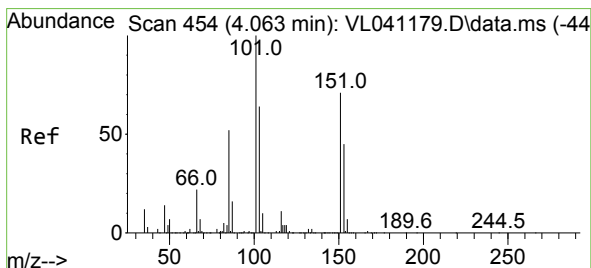
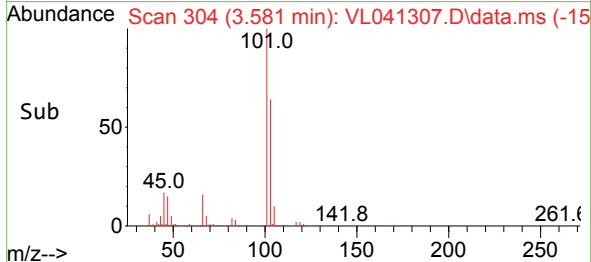
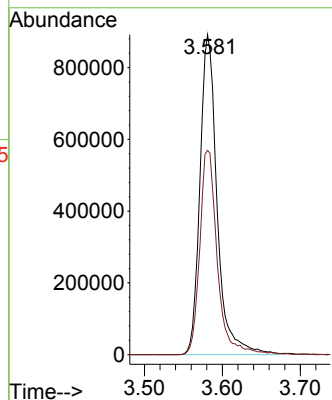
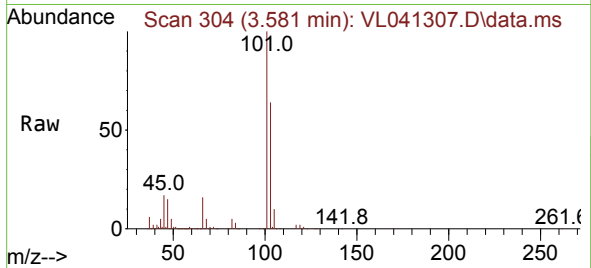




#11
 Trichlorofluoromethane
 Concen: 9.633 ppbv
 RT: 3.581 min Scan# 304
 Delta R.T. -0.003 min
 Lab File: VL041307.D
 Acq: 4 Jun 2024 16:01

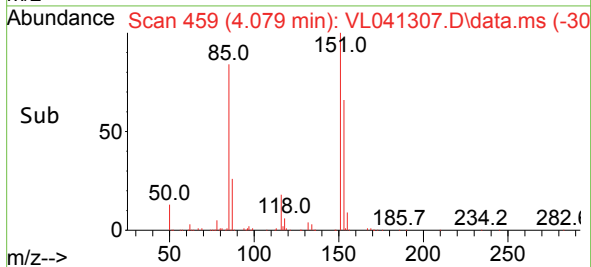
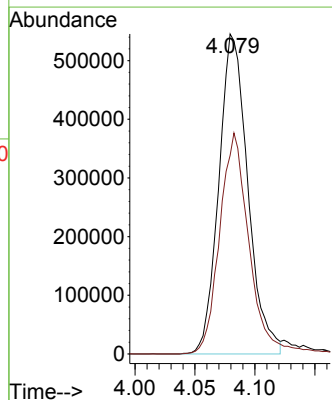
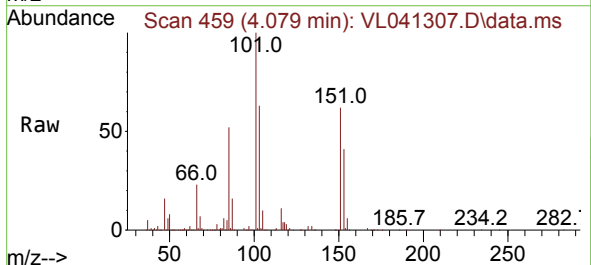
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0604ABS01

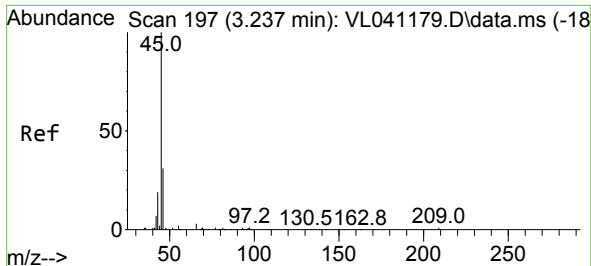
Tgt Ion:101 Resp: 1365711
 Ion Ratio Lower Upper
 101 100
 103 63.8 50.6 76.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.158 ppbv
 RT: 4.079 min Scan# 459
 Delta R.T. -0.003 min
 Lab File: VL041307.D
 Acq: 4 Jun 2024 16:01

Tgt Ion:101 Resp: 917129
 Ion Ratio Lower Upper
 101 100
 151 70.9 54.8 82.2

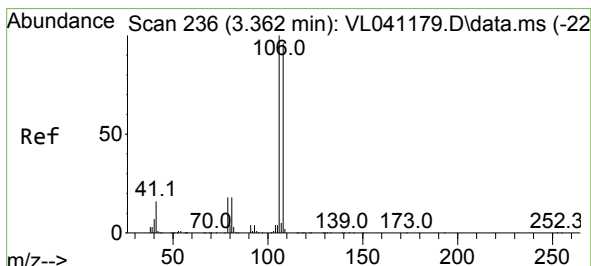
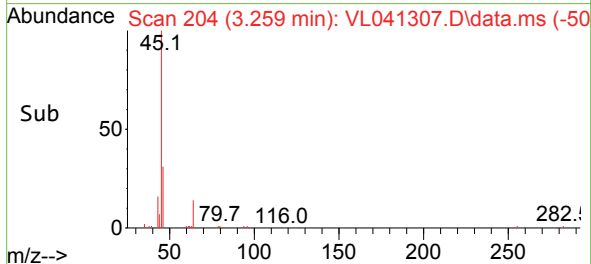
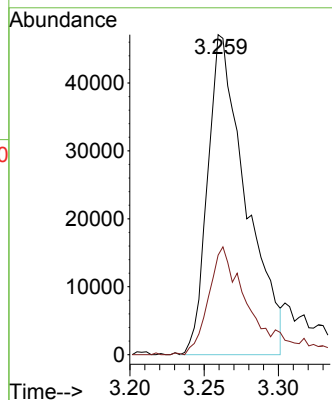
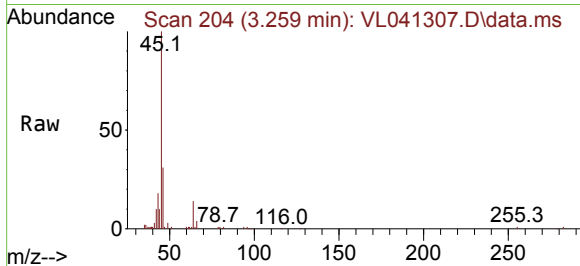




#13
Ethanol
Concen: 5.960 ppbv
RT: 3.259 min Scan# 204
Delta R.T. -0.003 min
Lab File: VL041307.D
Acq: 4 Jun 2024 16:01

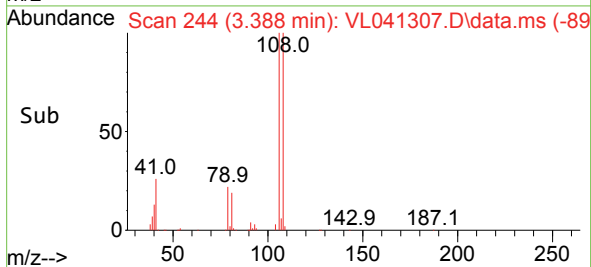
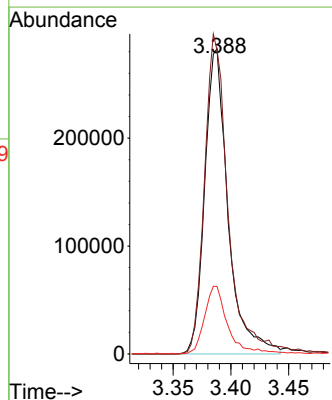
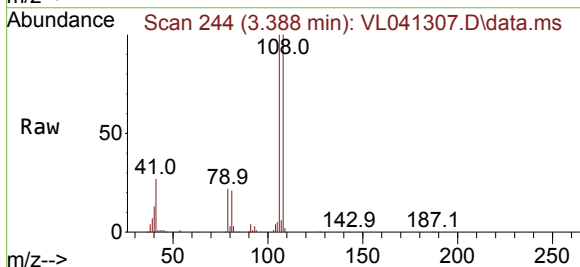
Instrument :
MSVOA_L
ClientSampleId :
VL0604ABS01

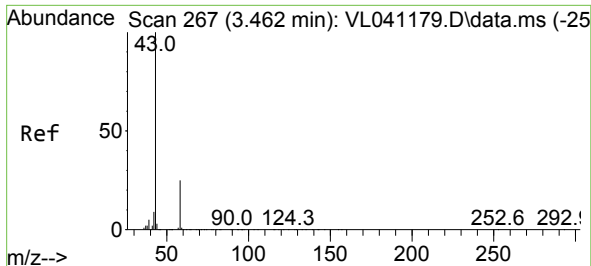
Tgt Ion: 45 Resp: 84299
Ion Ratio Lower Upper
45 100
46 37.8 14.2 56.6



#14
Bromoethene
Concen: 9.784 ppbv
RT: 3.388 min Scan# 244
Delta R.T. -0.000 min
Lab File: VL041307.D
Acq: 4 Jun 2024 16:01

Tgt Ion: 108 Resp: 396565
Ion Ratio Lower Upper
108 100
106 108.1 85.4 128.0
79 23.0 17.8 26.8





#15

Acetone

Concen: 8.983 ppbv

RT: 3.488 min Scan# 21

Delta R.T. -0.000 min

Lab File: VL041307.D

Acq: 4 Jun 2024 16:01

Instrument :

MSVOA_L

ClientSampleId :

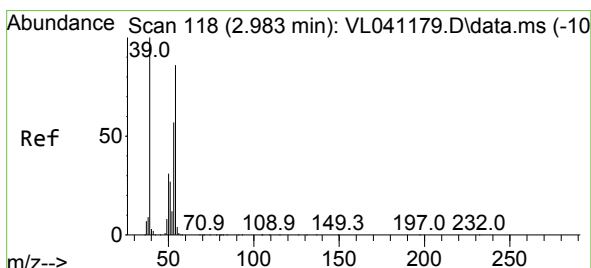
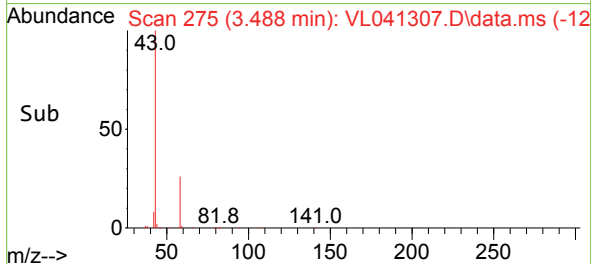
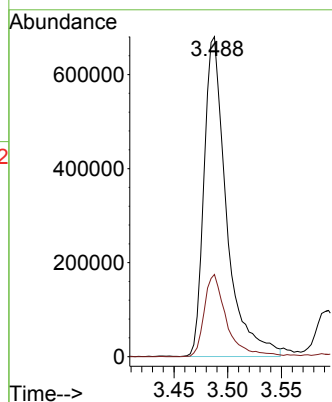
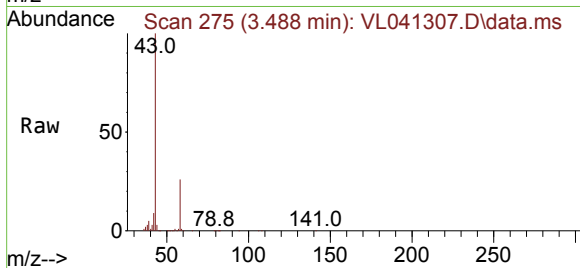
VL0604ABS01

Tgt Ion: 43 Resp: 990572

Ion Ratio Lower Upper

43 100

58 25.8 20.6 31.0



#16

1,3-Butadiene

Concen: 9.699 ppbv

RT: 3.009 min Scan# 126

Delta R.T. -0.000 min

Lab File: VL041307.D

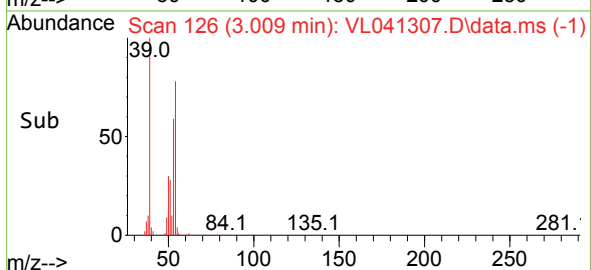
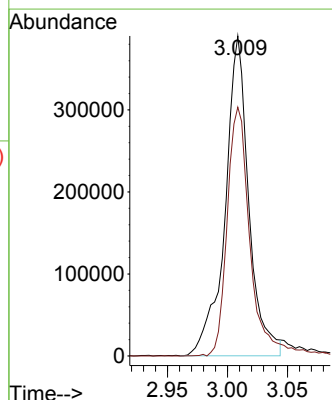
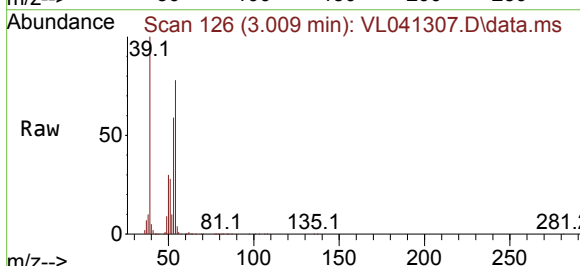
Acq: 4 Jun 2024 16:01

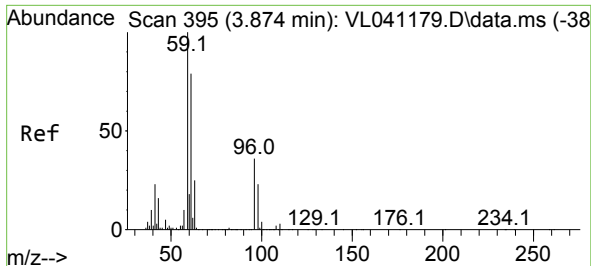
Tgt Ion: 39 Resp: 537634

Ion Ratio Lower Upper

39 100

54 76.6 60.5 90.7





#17

tert-Butyl alcohol

Concen: 9.230 ppbv

RT: 3.893 min Scan# 401

Delta R.T. -0.000 min

Lab File: VL041307.D

Acq: 4 Jun 2024 16:01

Instrument :

MSVOA_L

ClientSampleId :

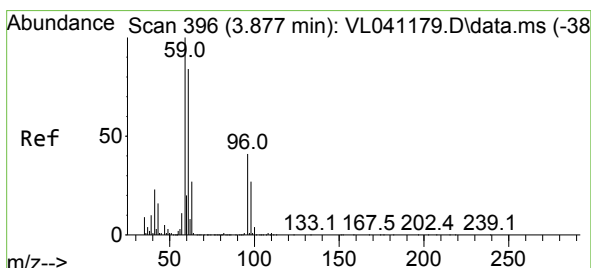
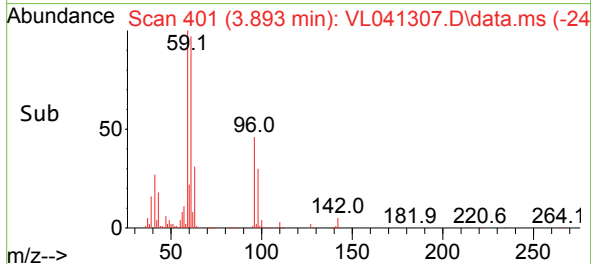
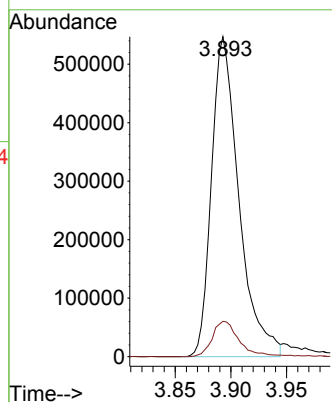
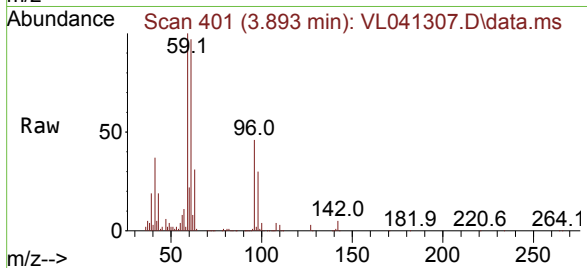
VL0604ABS01

Tgt Ion: 59 Resp: 937017

Ion Ratio Lower Upper

59 100

57 11.2 9.0 13.4



#18

1,1-Dichloroethene

Concen: 9.852 ppbv

RT: 3.896 min Scan# 402

Delta R.T. -0.000 min

Lab File: VL041307.D

Acq: 4 Jun 2024 16:01

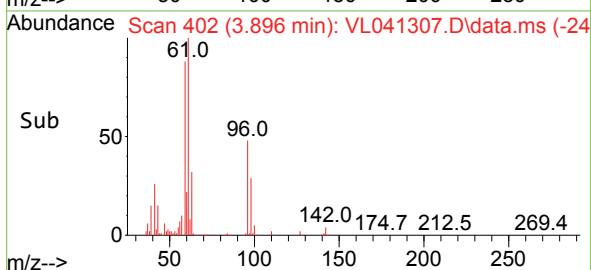
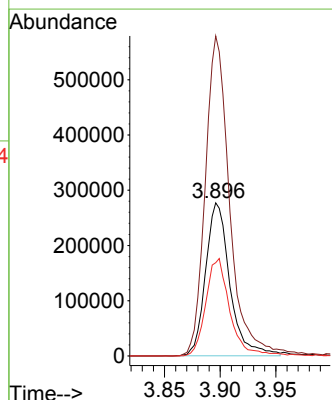
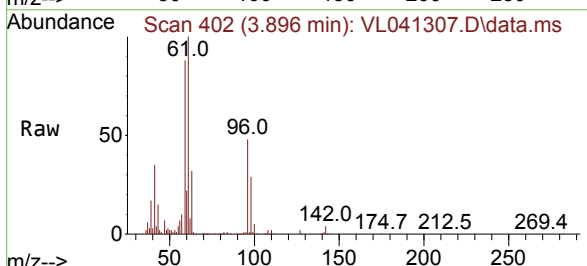
Tgt Ion: 96 Resp: 420886

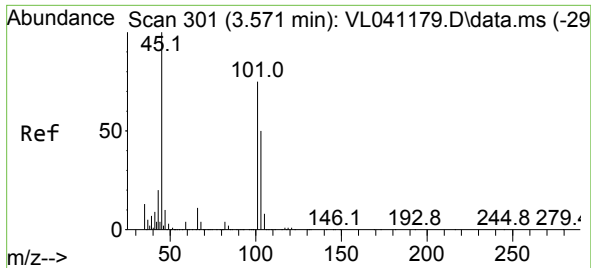
Ion Ratio Lower Upper

96 100

61 208.9 171.8 257.8

98 60.8 53.1 79.7

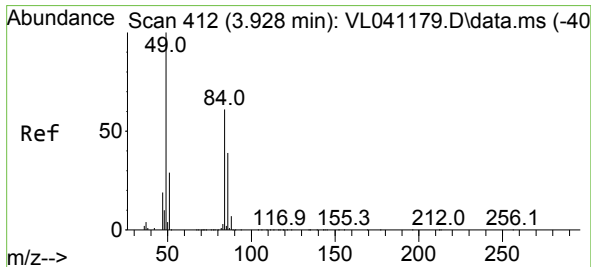
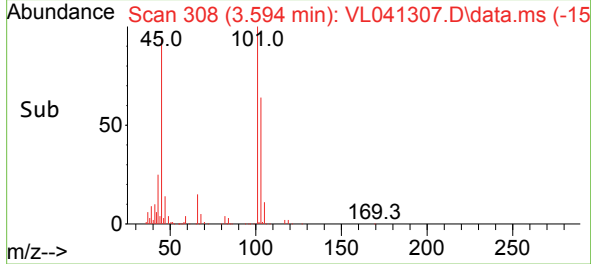
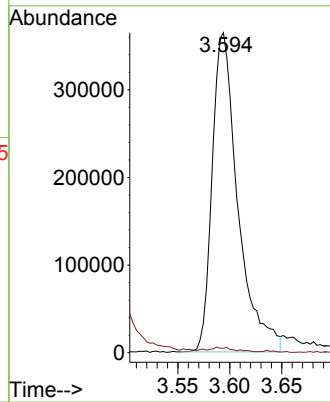
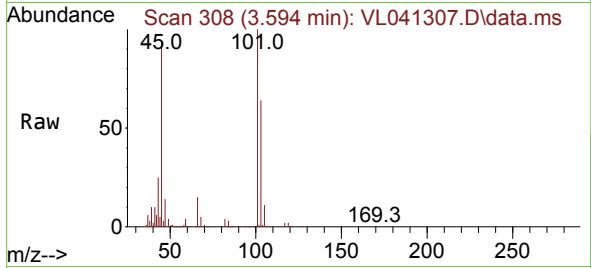




#19
Isopropyl Alcohol
Concen: 9.075 ppbv
RT: 3.594 min Scan# 301
Delta R.T. -0.000 min
Lab File: VL041307.D
Acq: 4 Jun 2024 16:01

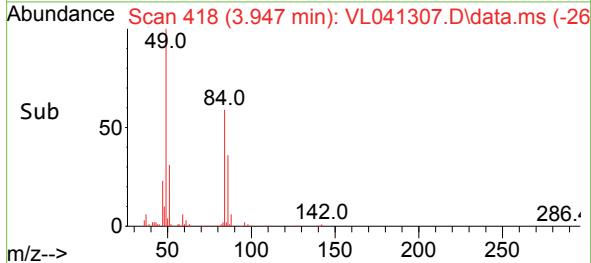
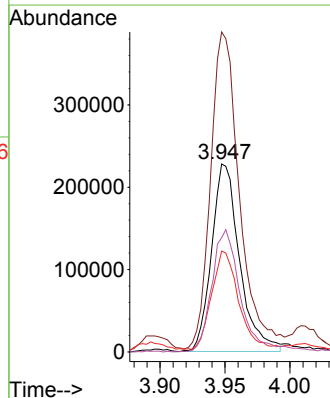
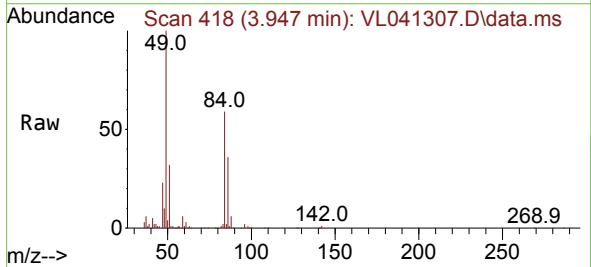
Instrument :
MSVOA_L
ClientSampleId :
VL0604ABS01

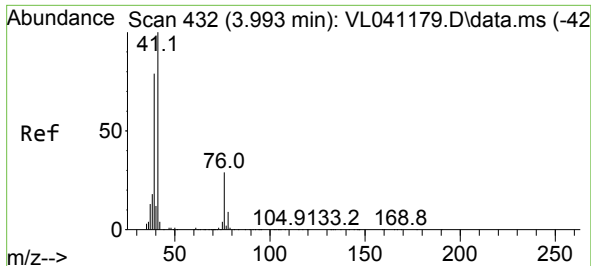
Tgt Ion: 45 Resp: 628698
Ion Ratio Lower Upper
45 100
58 2.2 1.4 2.2#



#20
Methylene Chloride
Concen: 8.506 ppbv
RT: 3.947 min Scan# 418
Delta R.T. -0.003 min
Lab File: VL041307.D
Acq: 4 Jun 2024 16:01

Tgt Ion: 84 Resp: 340922
Ion Ratio Lower Upper
84 100
49 167.6 136.2 204.2
51 52.2 41.9 62.9
86 60.8 52.6 78.8

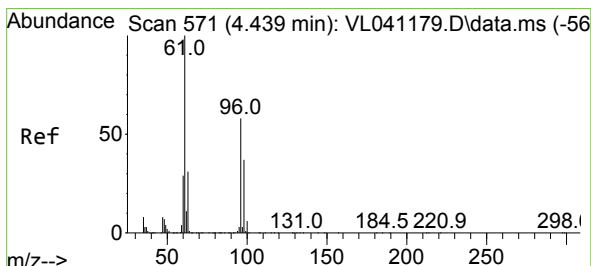
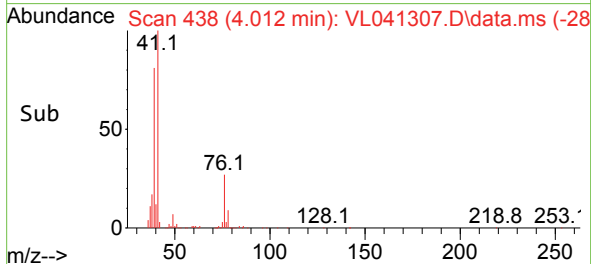
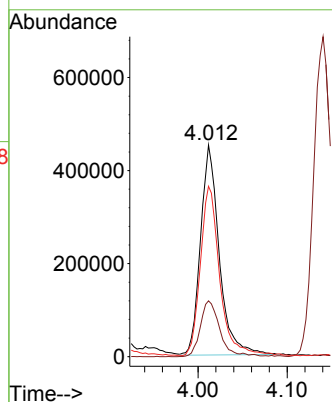
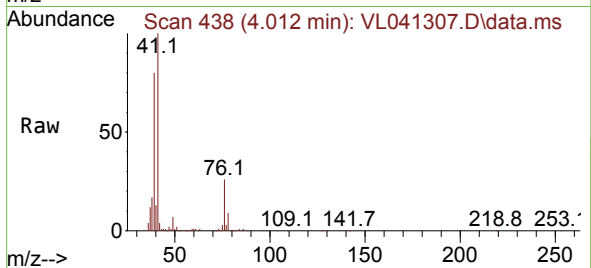




#21
 Allyl Chloride
 Concen: 9.452 ppbv
 RT: 4.012 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL041307.D
 Acq: 4 Jun 2024 16:01

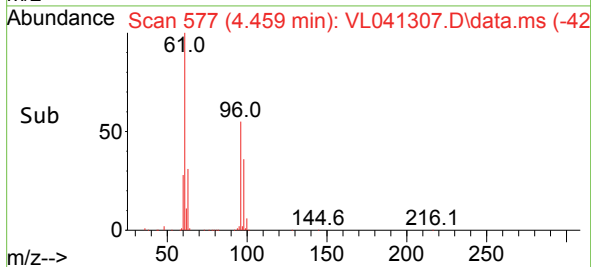
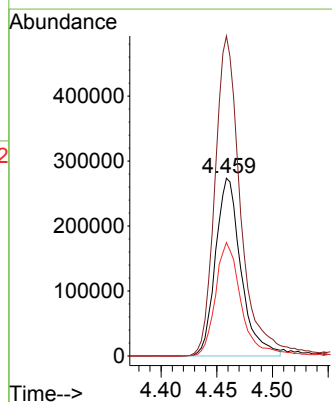
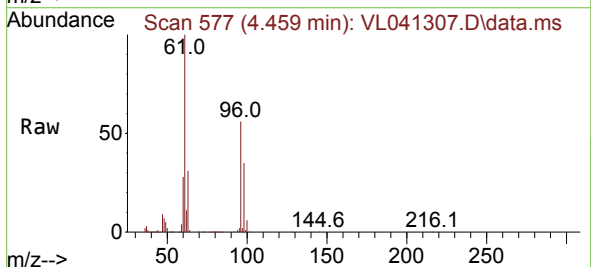
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0604ABS01

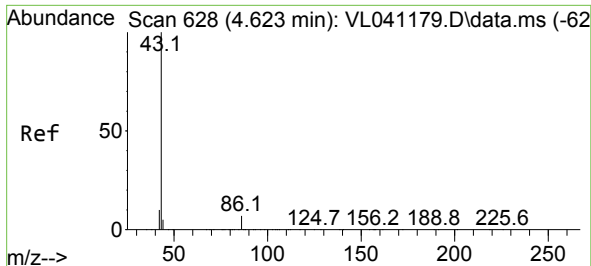
Tgt Ion: 41 Resp: 660291
 Ion Ratio Lower Upper
 41 100
 76 28.0 22.3 33.5
 39 83.1 66.3 99.5



#22
 trans-1,2-Dichloroethene
 Concen: 9.793 ppbv
 RT: 4.459 min Scan# 577
 Delta R.T. 0.003 min
 Lab File: VL041307.D
 Acq: 4 Jun 2024 16:01

Tgt Ion: 96 Resp: 435977
 Ion Ratio Lower Upper
 96 100
 61 180.1 135.5 203.3
 98 63.9 47.6 71.4



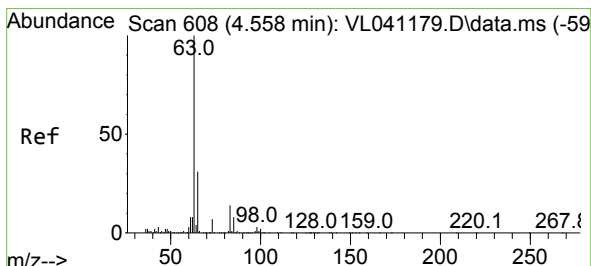
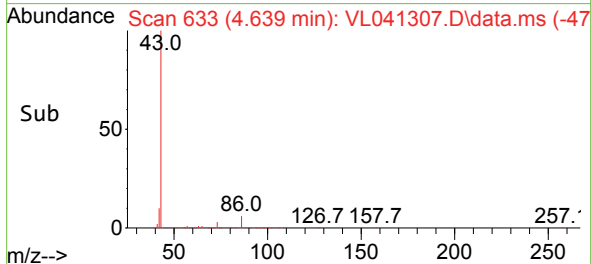
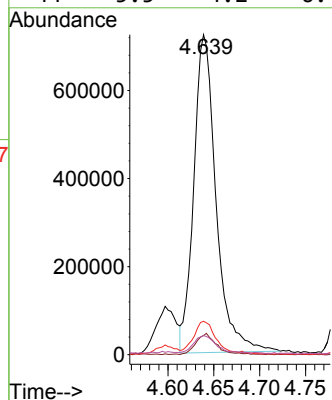
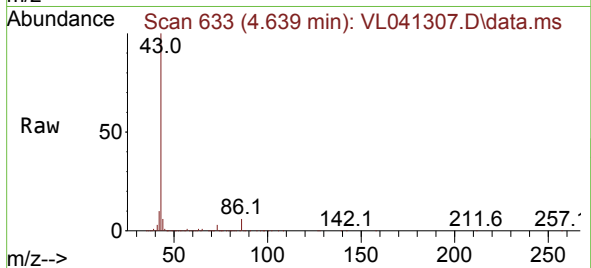


#23
 Vinyl Acetate
 Concen: 10.811 ppbv
 RT: 4.639 min Scan# 614
 Delta R.T. -0.000 min
 Lab File: VL041307.D
 Acq: 4 Jun 2024 16:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0604ABS01

Tgt Ion: 43 Resp: 1219255

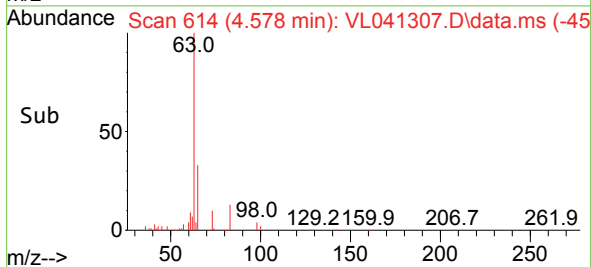
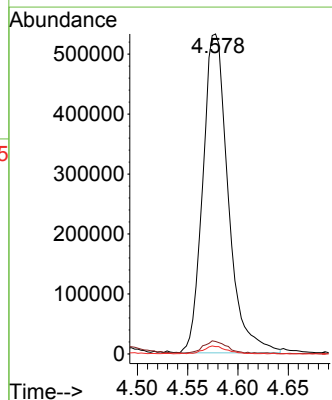
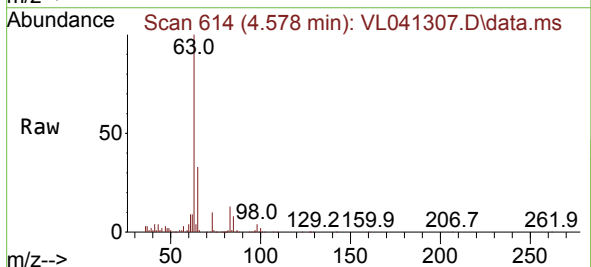
Ion	Ratio	Lower	Upper
43	100		
86	6.0	4.7	7.1
42	10.3	8.0	12.0
44	5.5	4.2	6.4

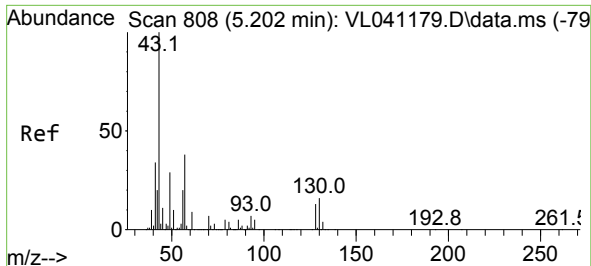


#24
 1,1-Dichloroethane
 Concen: 9.414 ppbv
 RT: 4.578 min Scan# 614
 Delta R.T. -0.000 min
 Lab File: VL041307.D
 Acq: 4 Jun 2024 16:01

Tgt Ion: 63 Resp: 933945

Ion	Ratio	Lower	Upper
63	100		
98	3.8	1.9	5.7
100	2.3	1.1	3.5



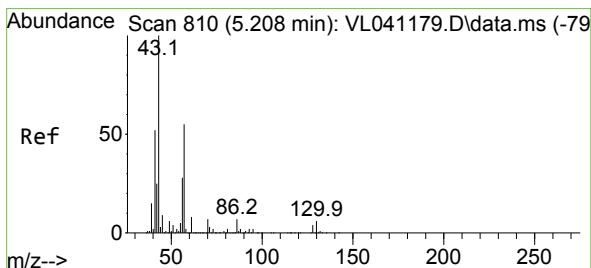
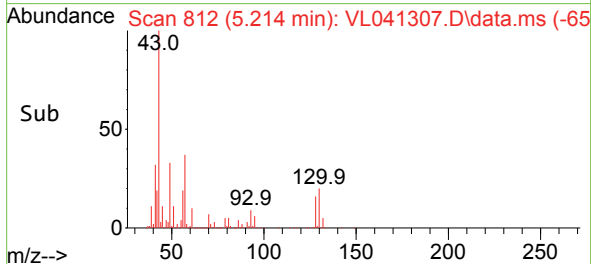
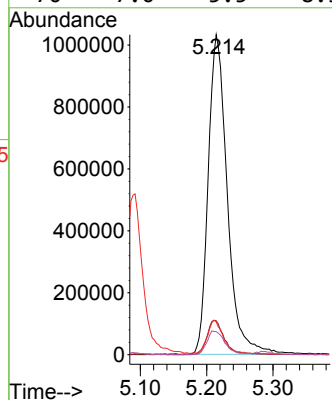
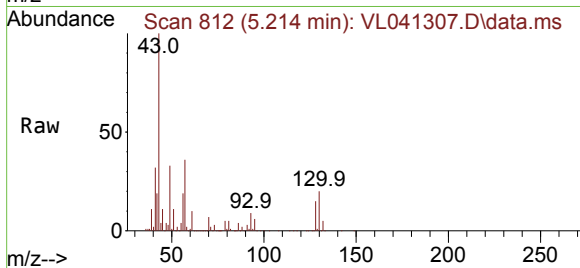


#25
Ethyl Acetate
Concen: 9.448 ppbv
RT: 5.214 min Scan# 812
Delta R.T. -0.000 min
Lab File: VL041307.D
Acq: 4 Jun 2024 16:01

Instrument :
MSVOA_L
ClientSampleId :
VL0604ABS01

Tgt Ion: 43 Resp: 2061034

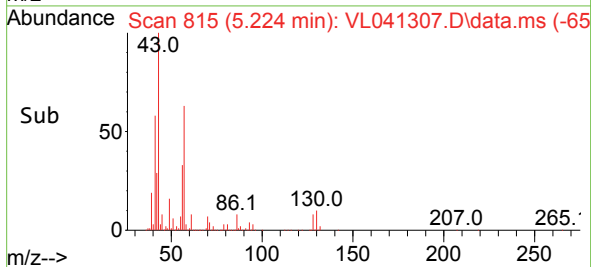
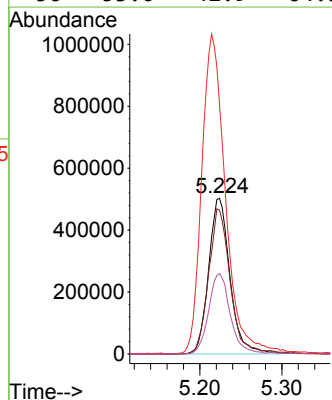
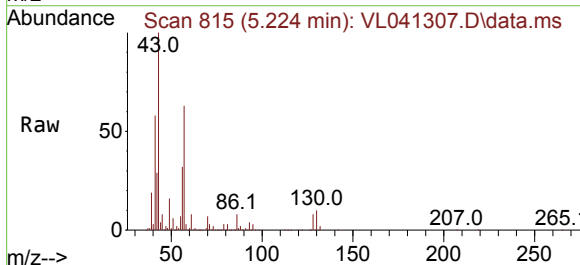
Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.1	12.1
61	9.3	7.4	11.0
70	7.0	5.5	8.3

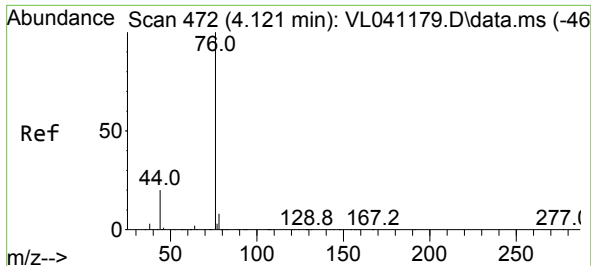


#26
Hexane
Concen: 9.251 ppbv
RT: 5.224 min Scan# 815
Delta R.T. 0.003 min
Lab File: VL041307.D
Acq: 4 Jun 2024 16:01

Tgt Ion: 57 Resp: 907546

Ion	Ratio	Lower	Upper
57	100		
41	95.4	77.1	115.7
43	228.6	186.1	279.1
56	53.0	42.9	64.3

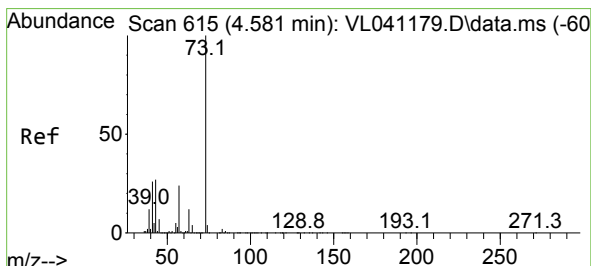
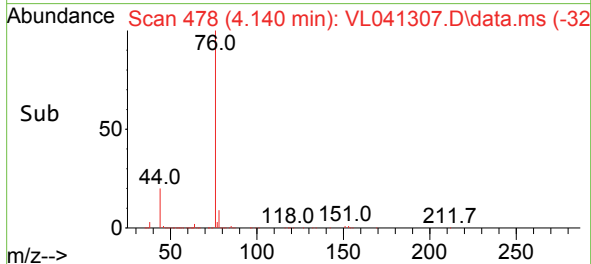
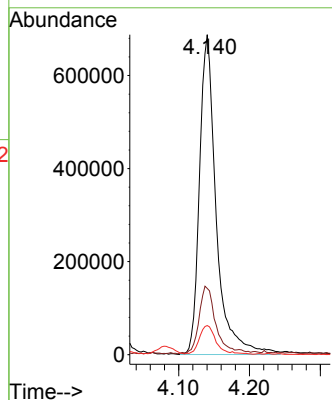
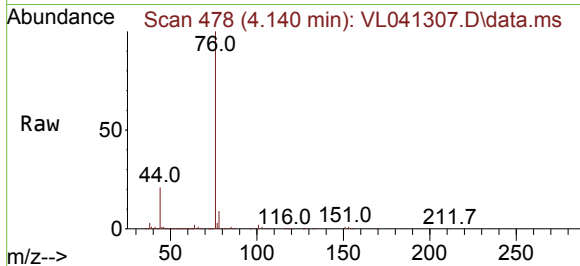




#27
Carbon Disulfide
Concen: 10.367 ppbv
RT: 4.140 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL041307.D
Acq: 4 Jun 2024 16:01

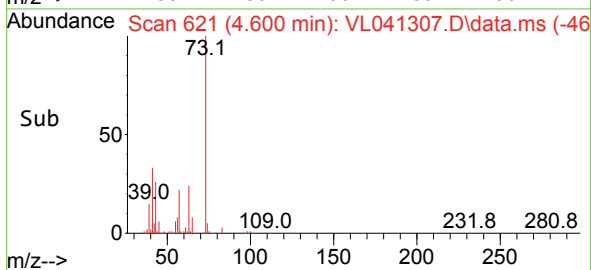
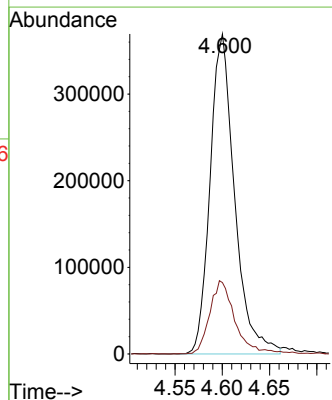
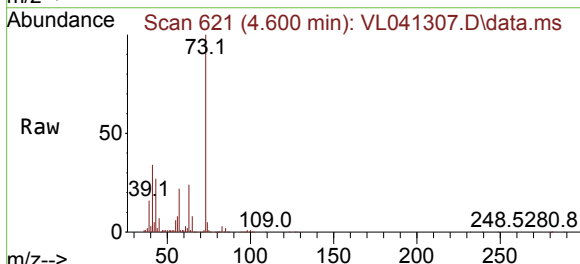
Instrument :
MSVOA_L
ClientSampleId :
VL0604ABS01

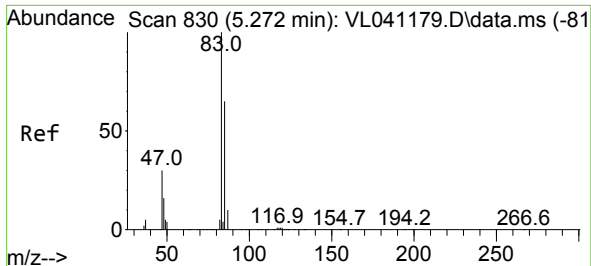
Tgt Ion: 76 Resp: 1126506
Ion Ratio Lower Upper
76 100
44 21.5 17.7 26.5
78 9.3 7.8 11.6



#28
Methyl tert-Butyl Ether
Concen: 9.153 ppbv
RT: 4.600 min Scan# 621
Delta R.T. 0.003 min
Lab File: VL041307.D
Acq: 4 Jun 2024 16:01

Tgt Ion: 73 Resp: 665483
Ion Ratio Lower Upper
73 100
57 23.7 19.2 28.8





#29

Chloroform

Concen: 9.523 ppbv

RT: 5.285 min Scan# 81

Delta R.T. -0.000 min

Lab File: VL041307.D

Acq: 4 Jun 2024 16:01

Instrument :

MSVOA_L

ClientSampleId :

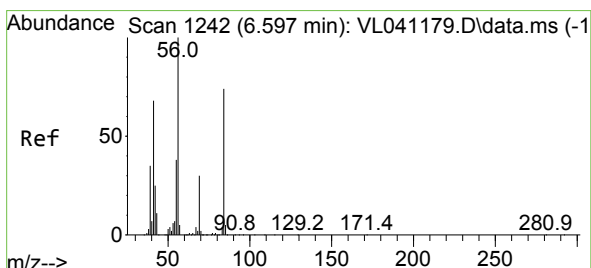
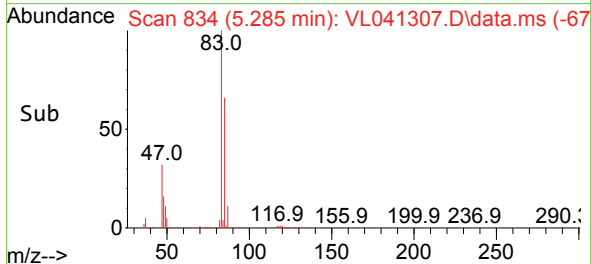
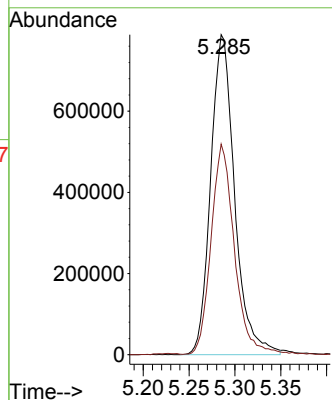
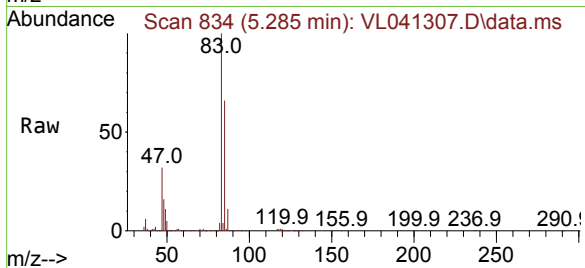
VL0604ABS01

Tgt Ion: 83 Resp: 1433373

Ion Ratio Lower Upper

83 100

85 65.6 53.3 79.9



#30

Cyclohexane

Concen: 9.707 ppbv

RT: 6.610 min Scan# 1246

Delta R.T. -0.000 min

Lab File: VL041307.D

Acq: 4 Jun 2024 16:01

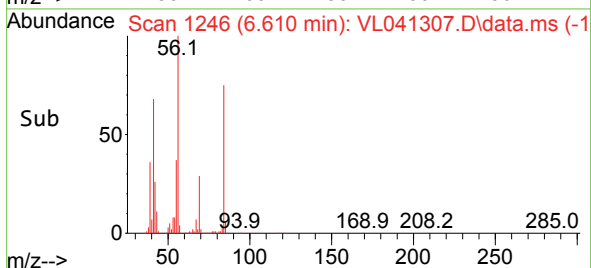
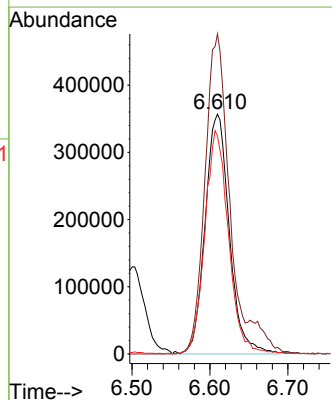
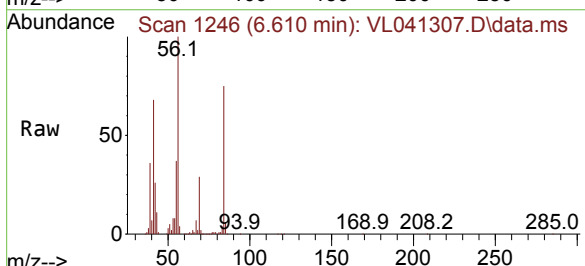
Tgt Ion: 84 Resp: 771861

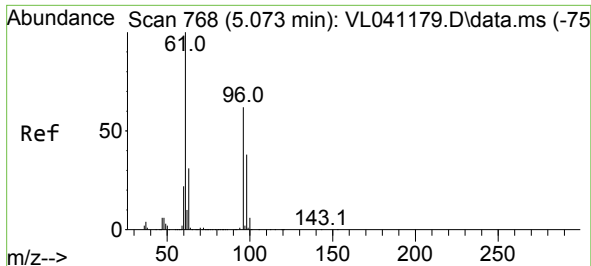
Ion Ratio Lower Upper

84 100

56 139.6 114.9 172.3

41 90.5 74.4 111.6

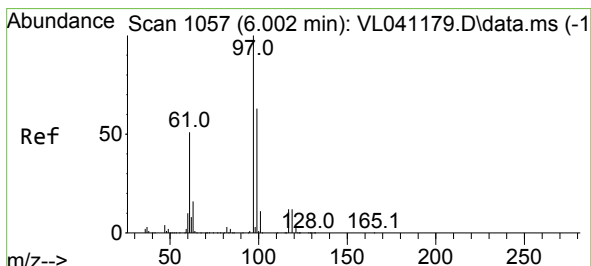
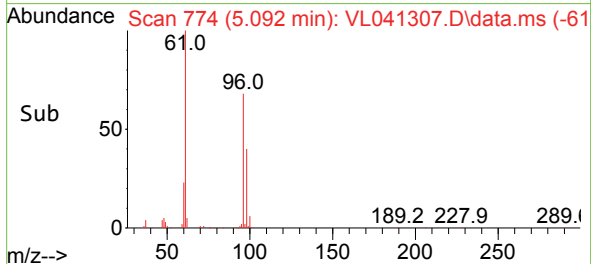
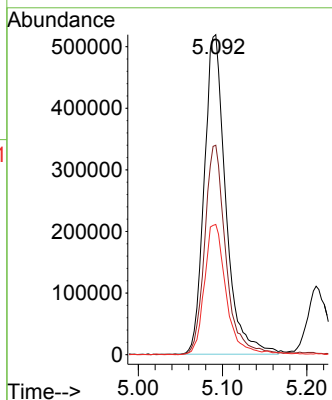
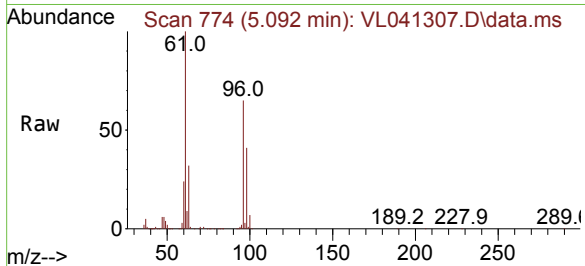




#31
 cis-1,2-Dichloroethene
 Concen: 9.956 ppbv
 RT: 5.092 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VL041307.D
 Acq: 4 Jun 2024 16:01

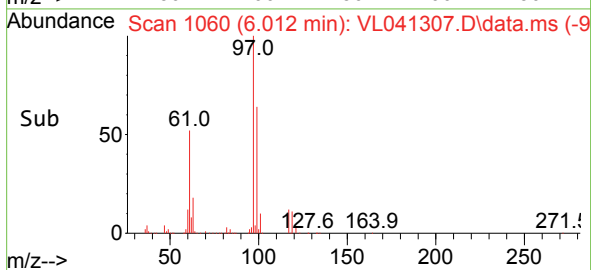
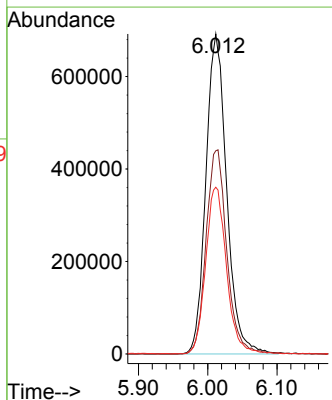
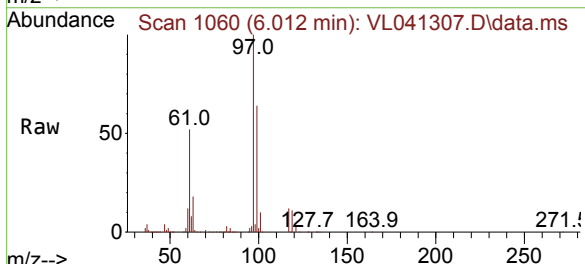
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0604ABS01

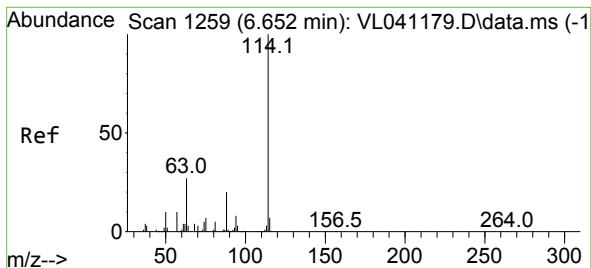
Tgt Ion: 61 Resp: 922931
 Ion Ratio Lower Upper
 61 100
 96 65.5 52.1 78.1
 98 40.7 33.1 49.7



#32
 1,1,1-Trichloroethane
 Concen: 10.107 ppbv
 RT: 6.012 min Scan# 1060
 Delta R.T. -0.000 min
 Lab File: VL041307.D
 Acq: 4 Jun 2024 16:01

Tgt Ion: 97 Resp: 1440898
 Ion Ratio Lower Upper
 97 100
 99 63.9 51.9 77.9
 61 52.2 42.9 64.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.661 min Scan# 1

Delta R.T. 0.003 min

Lab File: VL041307.D

Acq: 4 Jun 2024 16:01

Instrument :

MSVOA_L

ClientSampleId :

VL0604ABS01

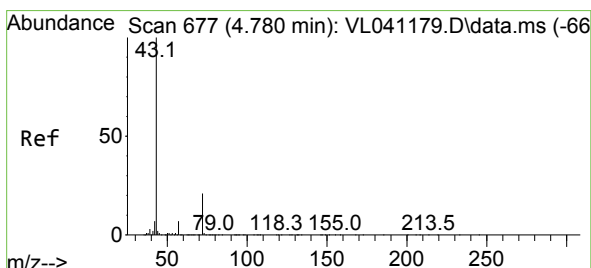
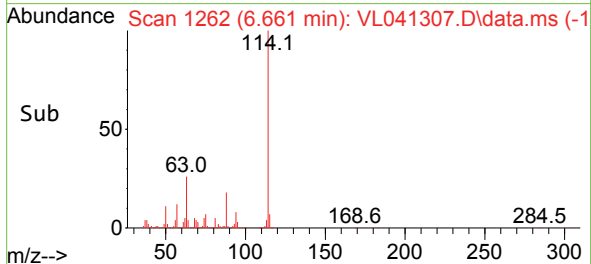
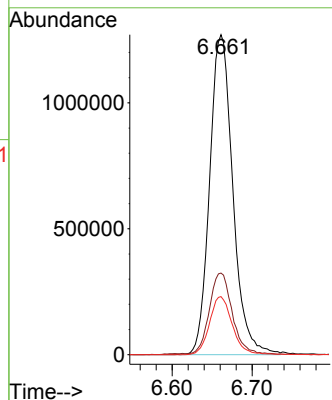
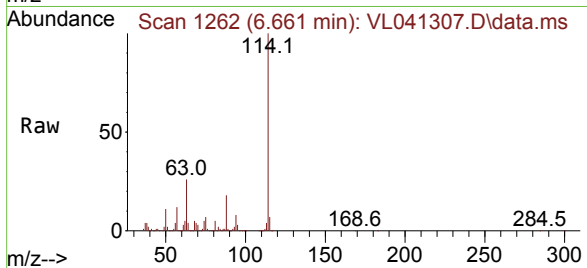
Tgt Ion:114 Resp: 2561967

Ion Ratio Lower Upper

114 100

63 25.8 20.6 30.8

88 17.9 14.5 21.7



#34

2-Butanone

Concen: 10.088 ppbv

RT: 4.796 min Scan# 682

Delta R.T. -0.000 min

Lab File: VL041307.D

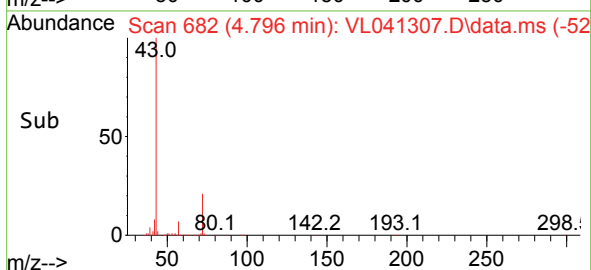
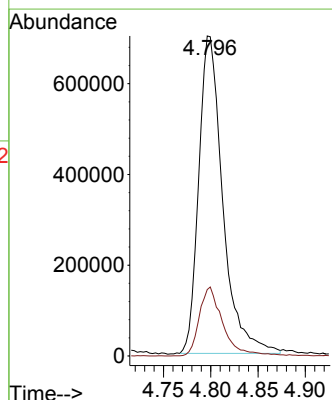
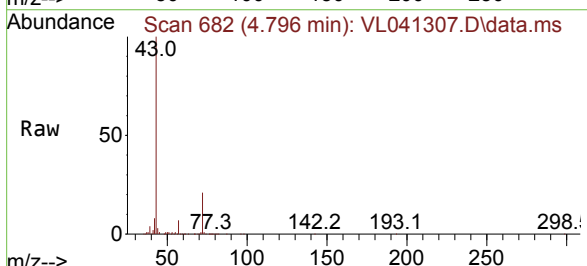
Acq: 4 Jun 2024 16:01

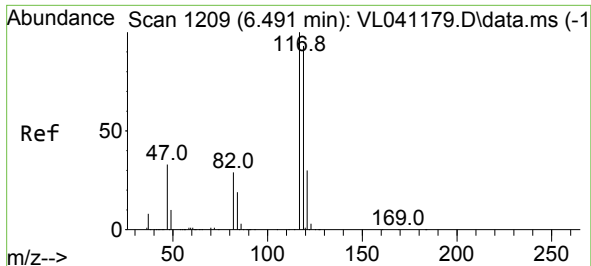
Tgt Ion: 43 Resp: 1238210

Ion Ratio Lower Upper

43 100

72 21.7 17.4 26.0

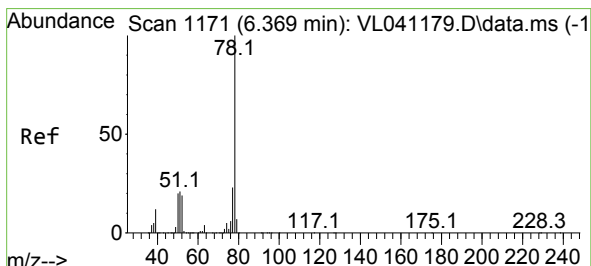
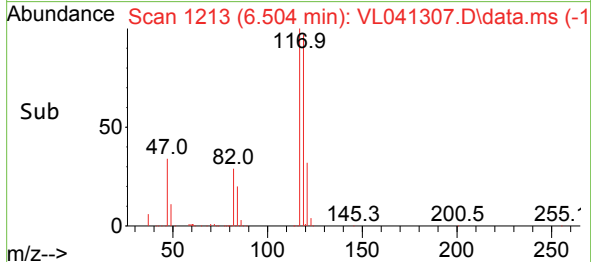
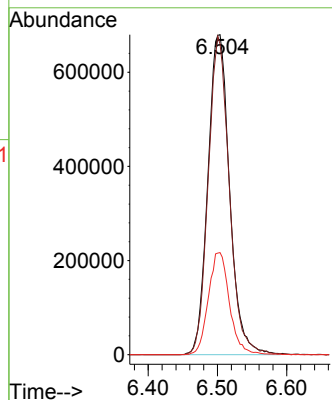
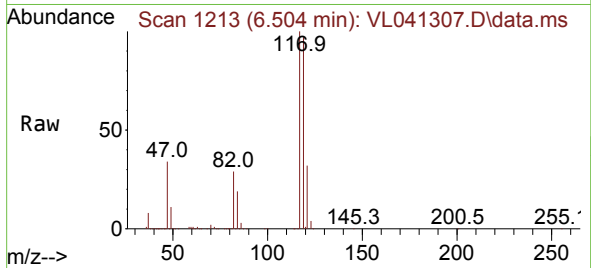




#35
Carbon Tetrachloride
Concen: 10.172 ppbv
RT: 6.504 min Scan# 1174
Delta R.T. 0.003 min
Lab File: VL041307.D
Acq: 4 Jun 2024 16:01

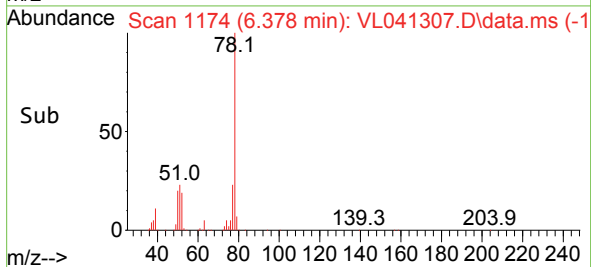
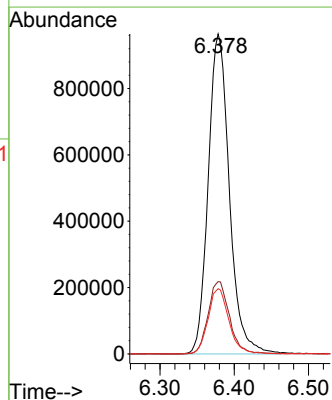
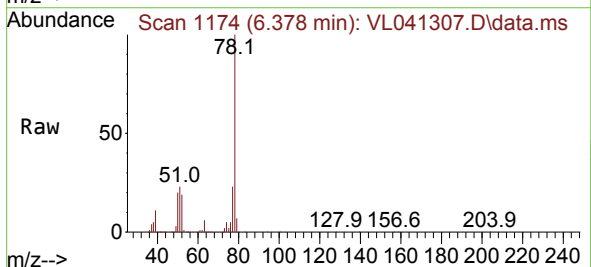
Instrument :
MSVOA_L
ClientSampleId :
VL0604ABS01

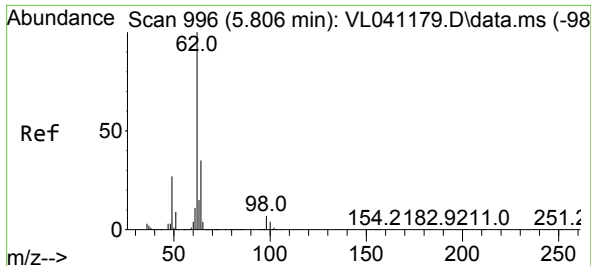
Tgt Ion:117 Resp: 1481096
Ion Ratio Lower Upper
117 100
119 97.0 74.0 111.0
121 31.9 24.8 37.2



#36
Benzene
Concen: 9.597 ppbv
RT: 6.378 min Scan# 1174
Delta R.T. -0.000 min
Lab File: VL041307.D
Acq: 4 Jun 2024 16:01

Tgt Ion: 78 Resp: 1905633
Ion Ratio Lower Upper
78 100
77 22.6 18.6 28.0
50 20.4 16.0 24.0

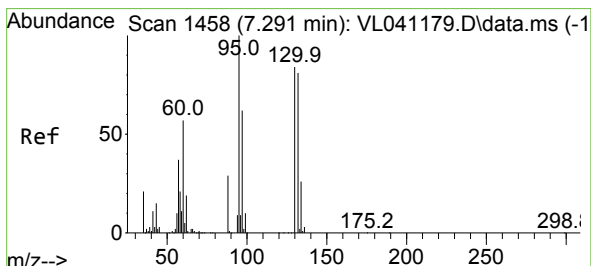
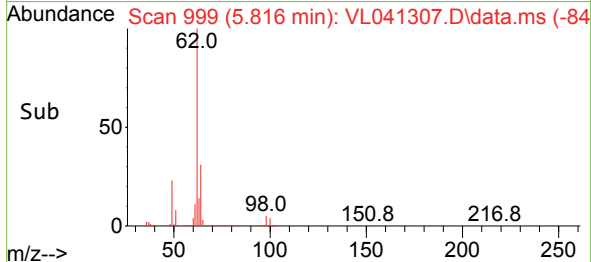
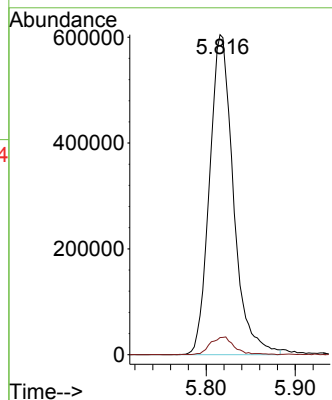
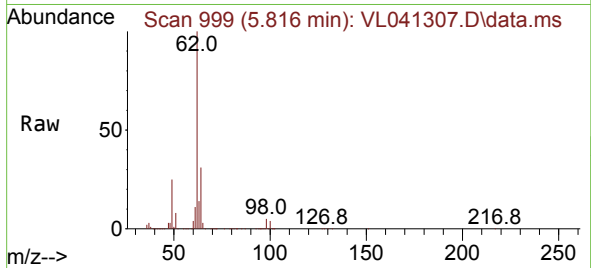




#37
1,2-Dichloroethane
Concen: 9.727 ppbv
RT: 5.816 min Scan# 996
Delta R.T. -0.000 min
Lab File: VL041307.D
Acq: 4 Jun 2024 16:01

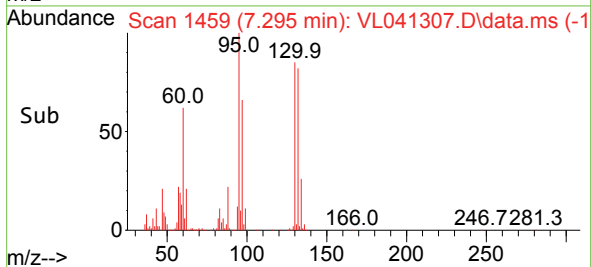
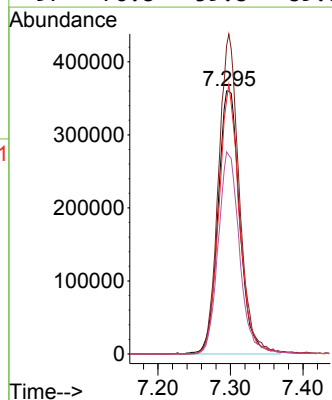
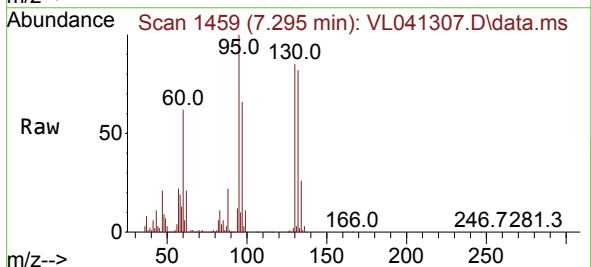
Instrument :
MSVOA_L
ClientSampleId :
VL0604ABS01

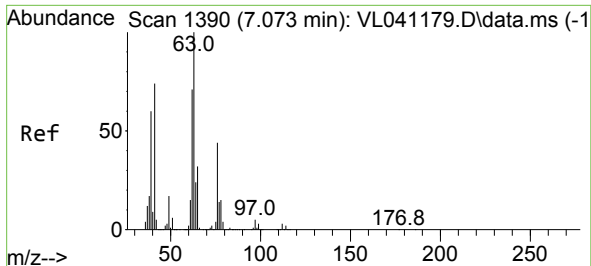
Tgt Ion: 62 Resp: 1126076
Ion Ratio Lower Upper
62 100
98 5.8 4.8 7.2



#38
Trichloroethene
Concen: 9.321 ppbv
RT: 7.295 min Scan# 1459
Delta R.T. -0.000 min
Lab File: VL041307.D
Acq: 4 Jun 2024 16:01

Tgt Ion:130 Resp: 750129
Ion Ratio Lower Upper
130 100
95 117.1 94.0 141.0
132 96.4 76.7 115.1
97 76.8 59.8 89.8





#39

1,2-Dichloropropane

Concen: 9.301 ppbv

RT: 7.082 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL041307.D

Acq: 4 Jun 2024 16:01

Instrument :

MSVOA_L

ClientSampleId :

VL0604ABS01

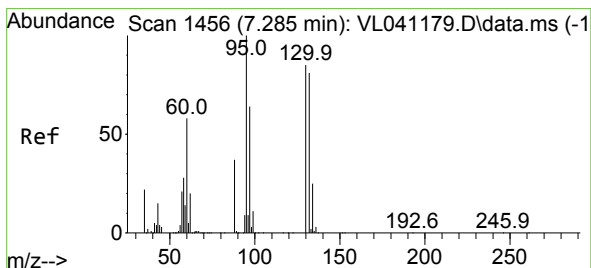
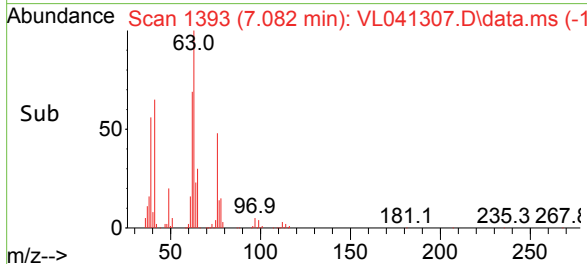
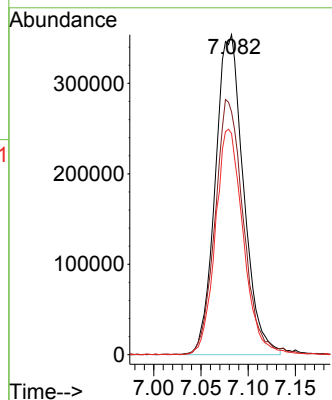
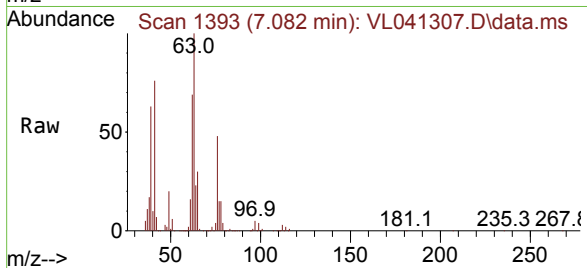
Tgt Ion: 63 Resp: 735429

Ion Ratio Lower Upper

63 100

41 75.7 59.9 89.9

62 69.0 53.8 80.6



#40

1,4-Dioxane

Concen: 7.428 ppbv

RT: 7.295 min Scan# 1459

Delta R.T. -0.000 min

Lab File: VL041307.D

Acq: 4 Jun 2024 16:01

Tgt Ion: 88 Resp: 215116

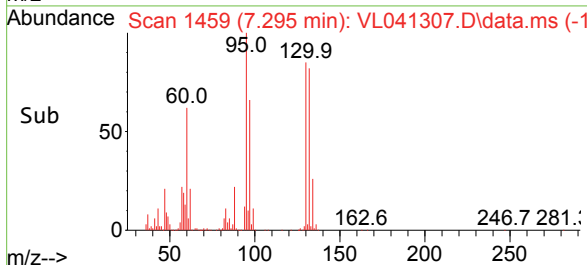
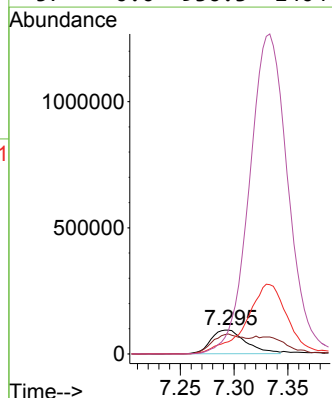
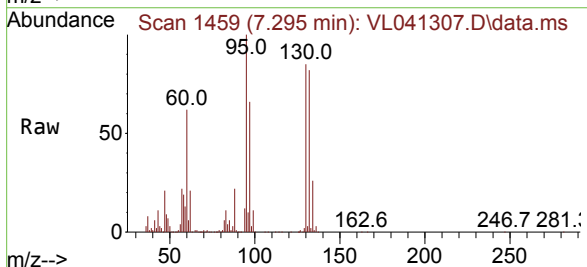
Ion Ratio Lower Upper

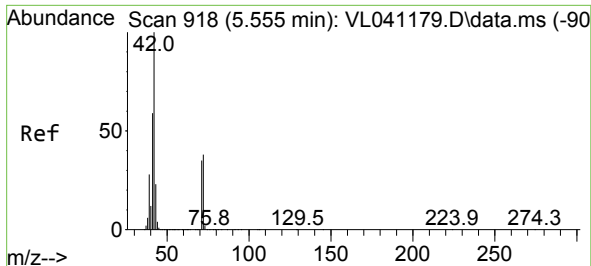
88 100

58 72.0 107.5 161.3#

43 0.0 221.8 332.6#

57 0.0 936.3 1404.5#





#41

Tetrahydrofuran

Concen: 9.817 ppbv

RT: 5.568 min Scan# 918

Delta R.T. 0.003 min

Lab File: VL041307.D

Acq: 4 Jun 2024 16:01

Instrument :

MSVOA_L

ClientSampleId :

VL0604ABS01

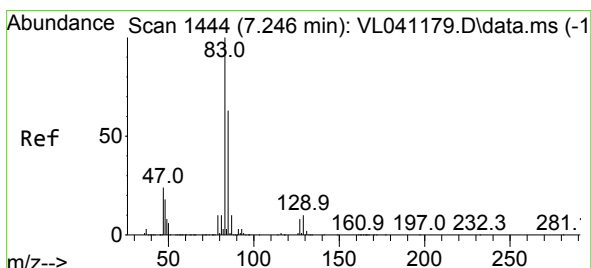
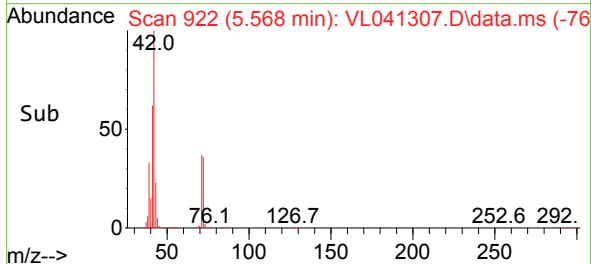
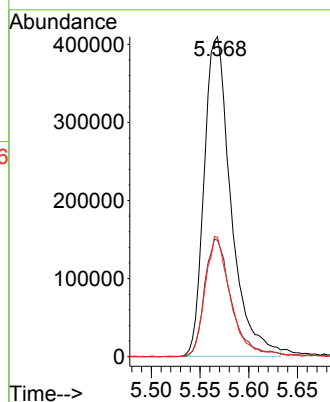
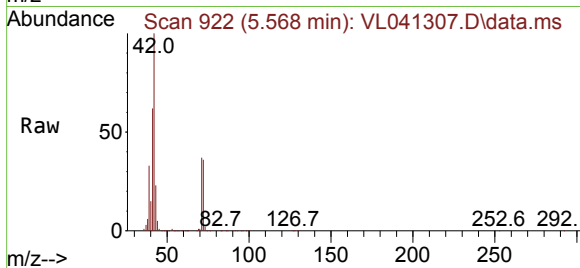
Tgt Ion: 42 Resp: 784014

Ion Ratio Lower Upper

42 100

72 37.6 30.2 45.4

71 36.4 30.3 45.5



#42

Bromodichloromethane

Concen: 9.698 ppbv

RT: 7.253 min Scan# 1446

Delta R.T. -0.003 min

Lab File: VL041307.D

Acq: 4 Jun 2024 16:01

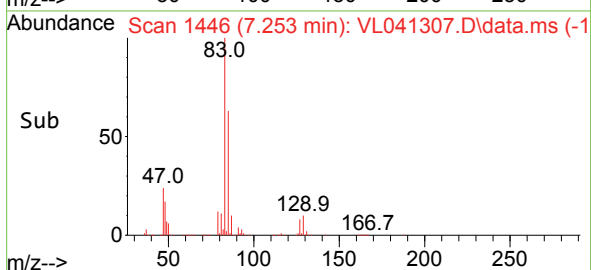
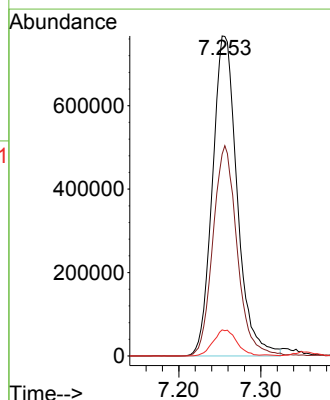
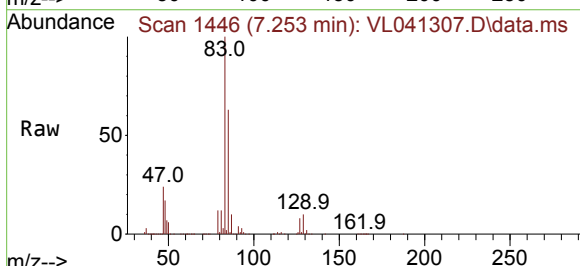
Tgt Ion: 83 Resp: 1612568

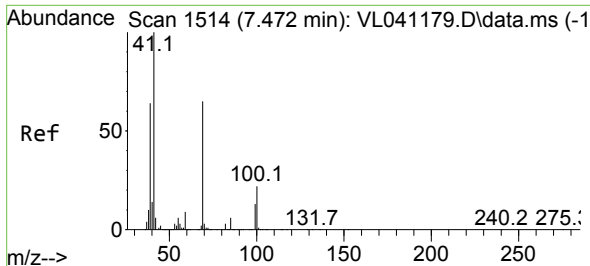
Ion Ratio Lower Upper

83 100

85 63.1 50.6 75.8

127 8.1 5.6 8.4

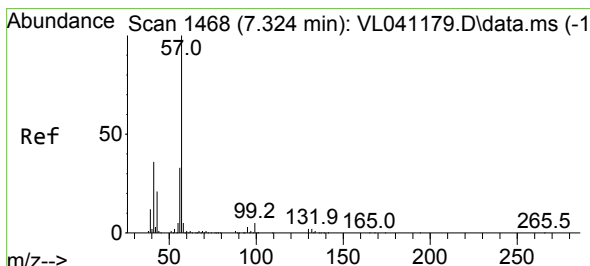
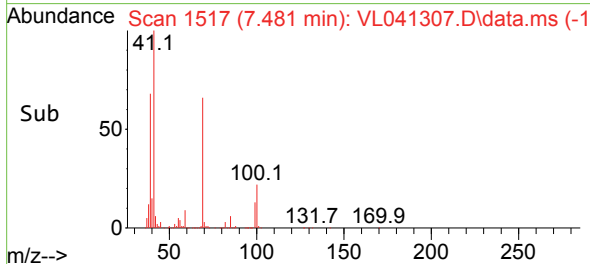
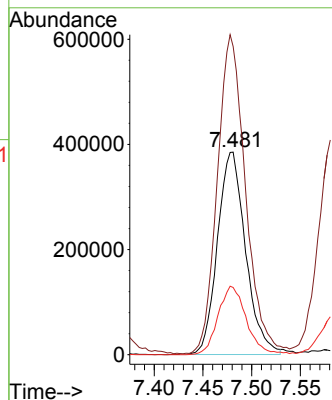
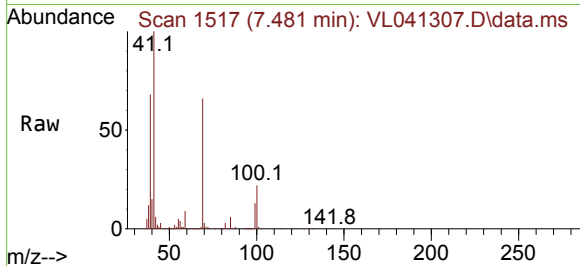




#43
Methyl Methacrylate
Concen: 10.204 ppbv
RT: 7.481 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL041307.D
Acq: 4 Jun 2024 16:01

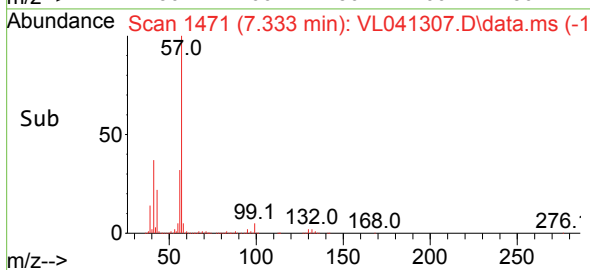
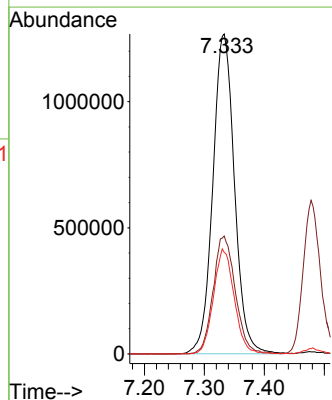
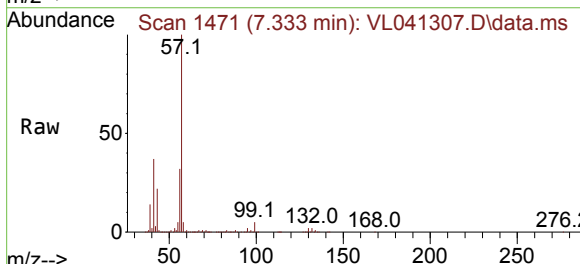
Instrument :
MSVOA_L
ClientSampleId :
VL0604ABS01

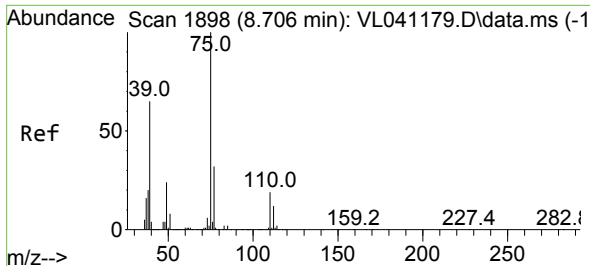
Tgt Ion: 69 Resp: 772043
Ion Ratio Lower Upper
69 100
41 158.3 125.8 188.6
100 34.0 27.0 40.6



#44
2,2,4-Trimethylpentane
Concen: 9.303 ppbv
RT: 7.333 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VL041307.D
Acq: 4 Jun 2024 16:01

Tgt Ion: 57 Resp: 3177090
Ion Ratio Lower Upper
57 100
41 37.7 29.4 44.2
56 31.5 25.0 37.4

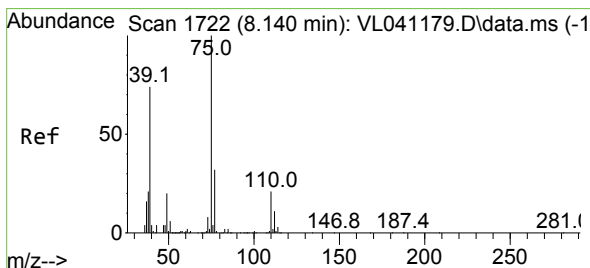
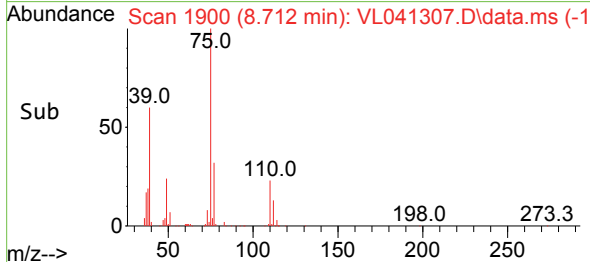
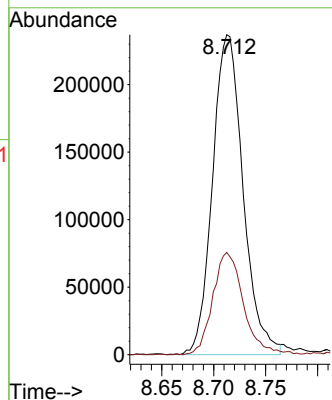
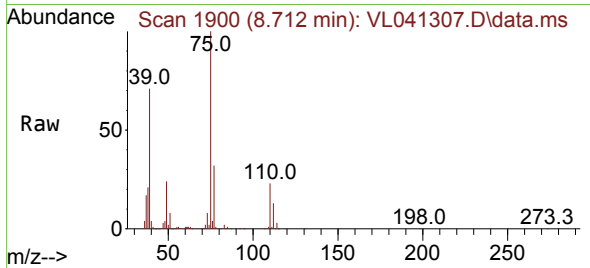




#45
 t-1,3-Dichloropropene
 Concen: 9.488 ppbv
 RT: 8.712 min Scan# 1898
 Delta R.T. -0.000 min
 Lab File: VL041307.D
 Acq: 4 Jun 2024 16:01

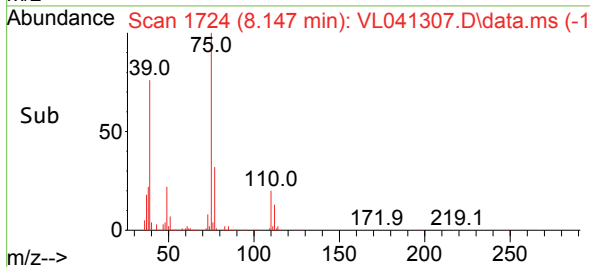
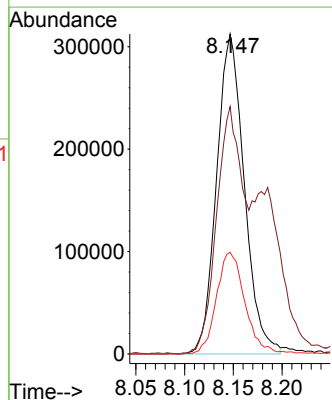
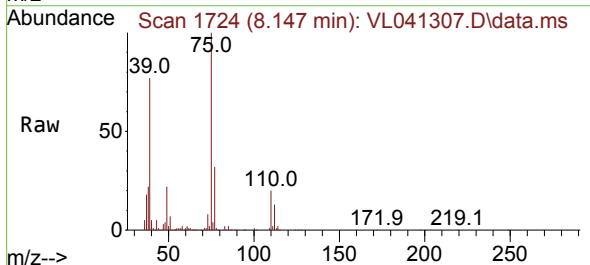
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0604ABS01

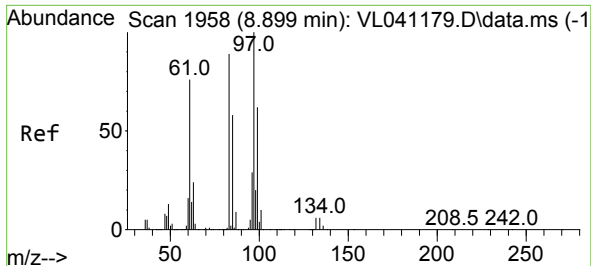
Tgt Ion: 75 Resp: 484390
 Ion Ratio Lower Upper
 75 100
 77 32.0 24.7 37.1



#46
 cis-1,3-Dichloropropene
 Concen: 9.382 ppbv
 RT: 8.147 min Scan# 1724
 Delta R.T. 0.003 min
 Lab File: VL041307.D
 Acq: 4 Jun 2024 16:01

Tgt Ion: 75 Resp: 616567
 Ion Ratio Lower Upper
 75 100
 39 77.3 59.2 88.8
 77 31.7 25.0 37.6





#47

1,1,2-Trichloroethane

Concen: 9.589 ppbv

RT: 8.902 min Scan# 1958

Delta R.T. 0.003 min

Lab File: VL041307.D

Acq: 4 Jun 2024 16:01

Instrument :

MSVOA_L

ClientSampleId :

VL0604ABS01

Tgt Ion: 97 Resp: 792333

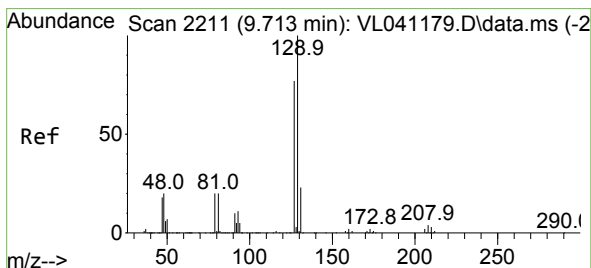
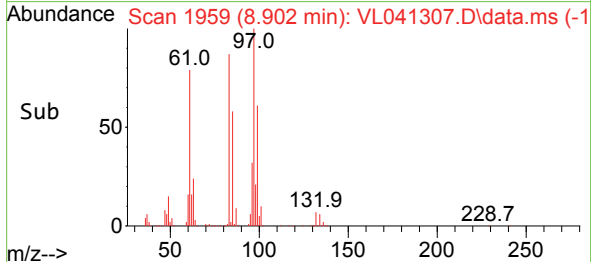
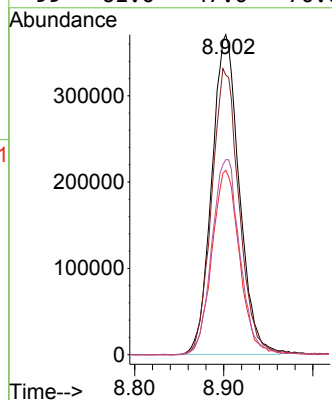
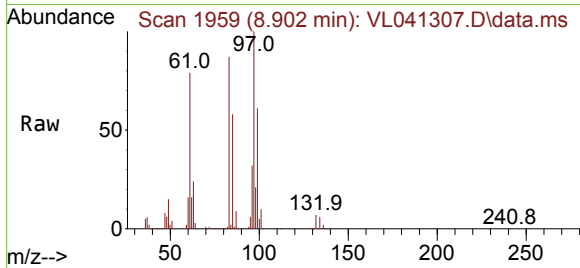
Ion Ratio Lower Upper

97 100

83 87.4 69.7 104.5

85 57.7 43.1 64.7

99 61.0 47.0 70.6



#48

Dibromochloromethane

Concen: 10.178 ppbv

RT: 9.712 min Scan# 2211

Delta R.T. 0.003 min

Lab File: VL041307.D

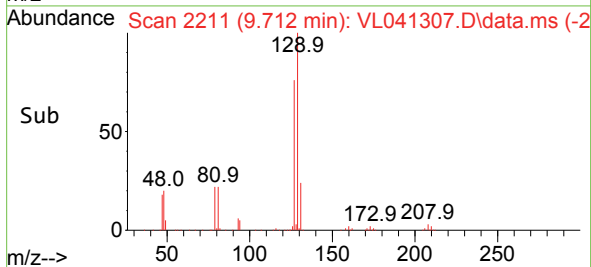
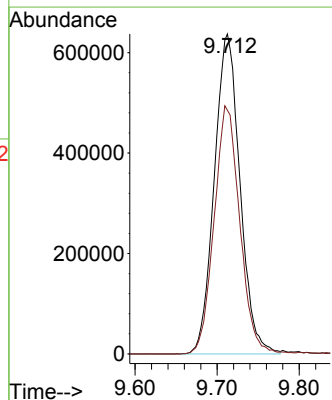
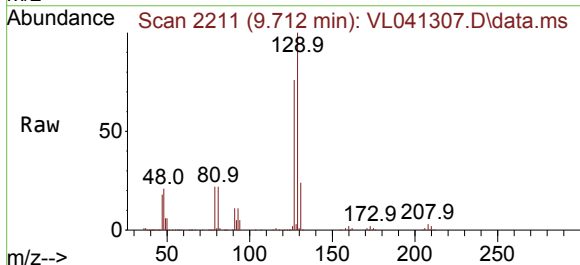
Acq: 4 Jun 2024 16:01

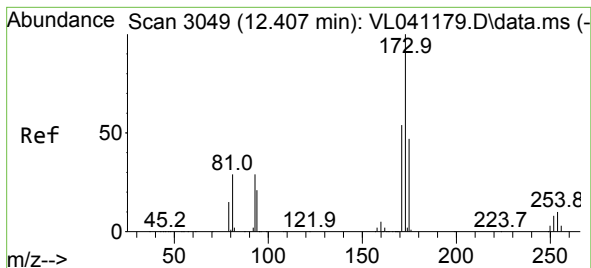
Tgt Ion: 129 Resp: 1386073

Ion Ratio Lower Upper

129 100

127 77.9 39.1 117.5





#49

Bromoform

Concen: 10.515 ppbv

RT: 12.404 min Scan# 3049

Delta R.T. -0.000 min

Lab File: VL041307.D

Acq: 4 Jun 2024 16:01

Instrument :

MSVOA_L

ClientSampleId :

VL0604ABS01

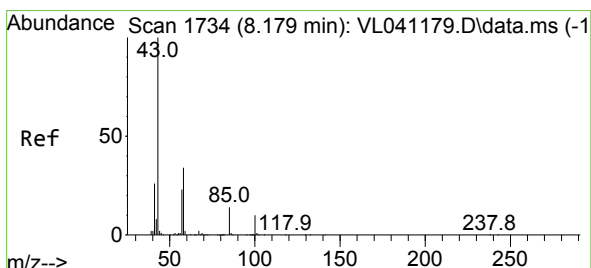
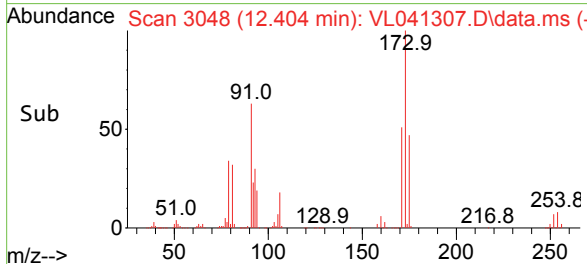
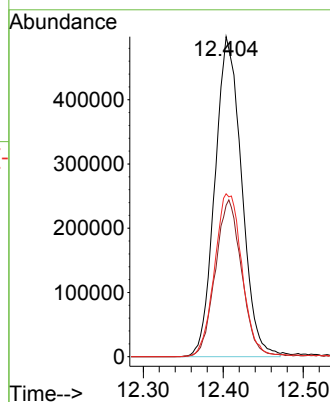
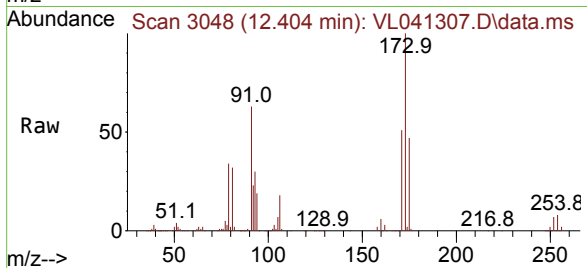
Tgt Ion:173 Resp: 1153881

Ion Ratio Lower Upper

173 100

175 48.6 39.9 59.9

171 53.2 42.6 63.8



#50

4-Methyl-2-Pentanone

Concen: 9.795 ppbv

RT: 8.182 min Scan# 1735

Delta R.T. 0.003 min

Lab File: VL041307.D

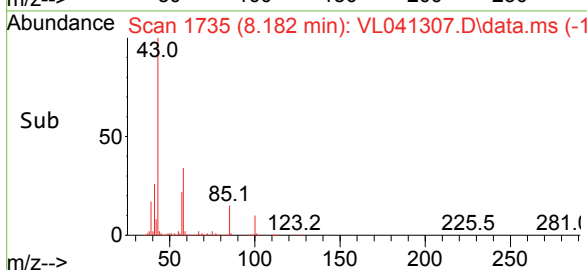
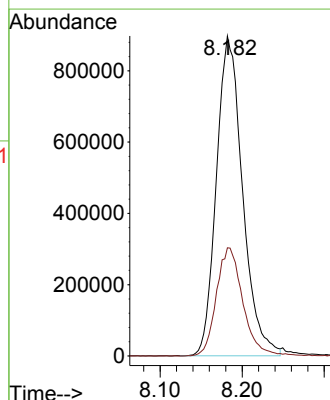
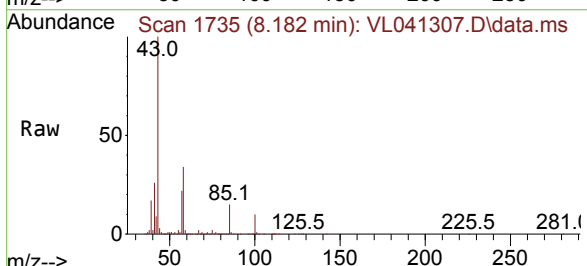
Acq: 4 Jun 2024 16:01

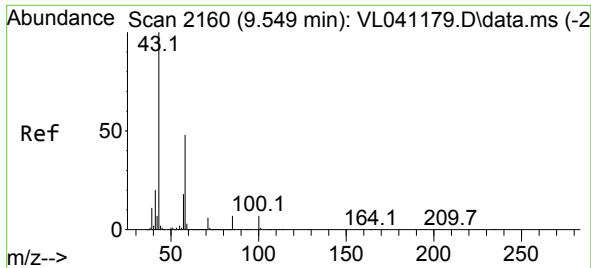
Tgt Ion: 43 Resp: 1989975

Ion Ratio Lower Upper

43 100

58 34.5 27.7 41.5

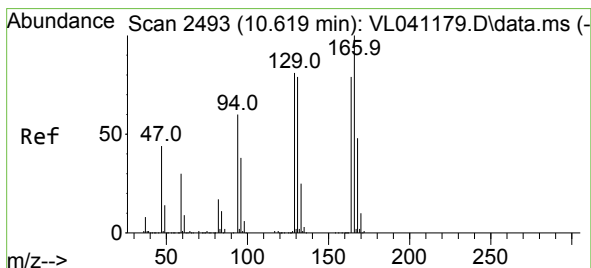
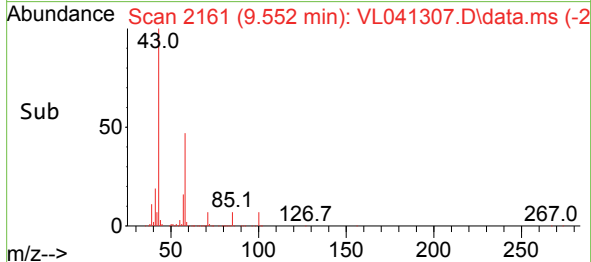
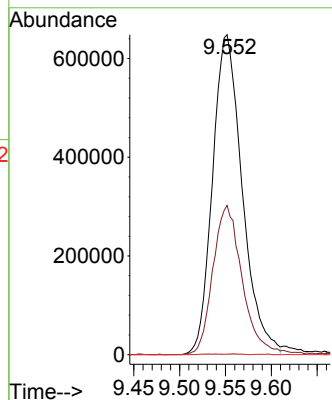
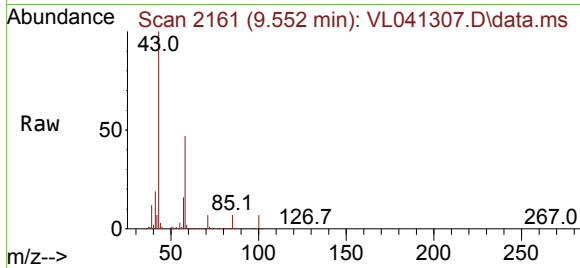




#51
2-Hexanone
Concen: 10.106 ppbv
RT: 9.552 min Scan# 2161
Delta R.T. 0.003 min
Lab File: VL041307.D
Acq: 4 Jun 2024 16:01

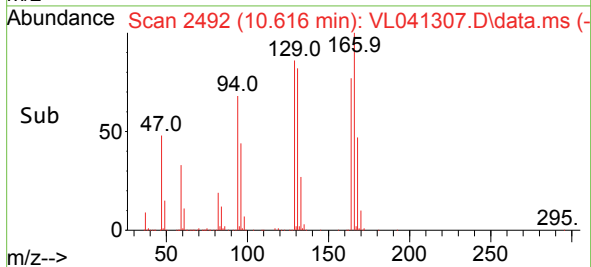
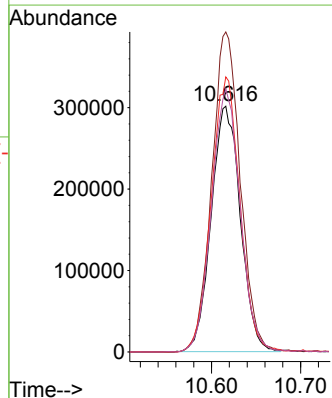
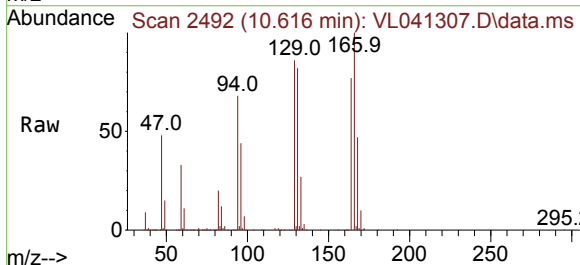
Instrument :
MSVOA_L
ClientSampleId :
VL0604ABS01

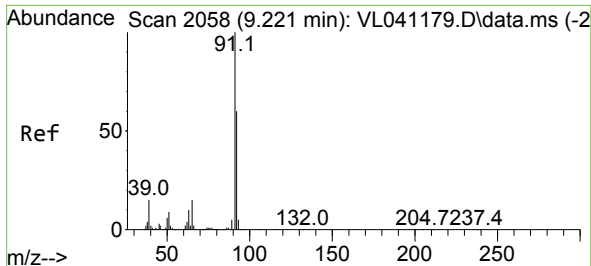
Tgt Ion: 43 Resp: 1459365
Ion Ratio Lower Upper
43 100
58 46.8 37.4 56.0
98 0.4 0.2 0.4



#52
Tetrachloroethene
Concen: 9.441 ppbv
RT: 10.616 min Scan# 2492
Delta R.T. 0.003 min
Lab File: VL041307.D
Acq: 4 Jun 2024 16:01

Tgt Ion: 164 Resp: 683713
Ion Ratio Lower Upper
164 100
166 130.1 99.4 149.0
129 111.8 85.4 128.2
131 107.1 82.1 123.1





#53

Toluene

Concen: 9.851 ppbv

RT: 9.224 min Scan# 2058

Delta R.T. 0.003 min

Lab File: VL041307.D

Acq: 4 Jun 2024 16:01

Instrument :

MSVOA_L

ClientSampleId :

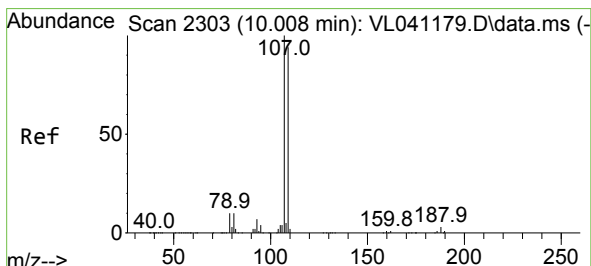
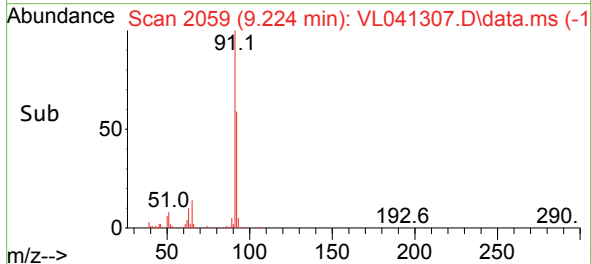
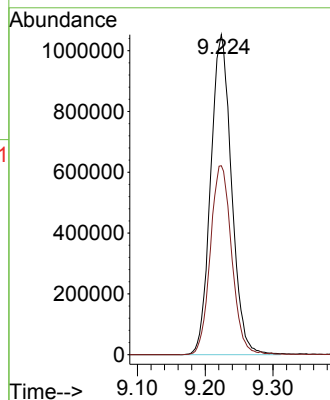
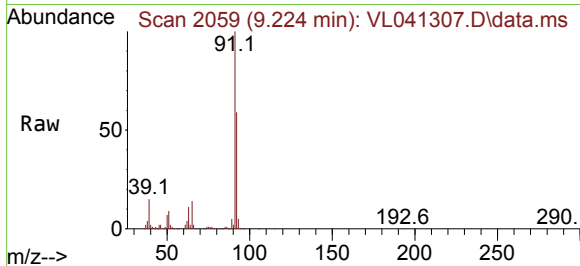
VL0604ABS01

Tgt Ion: 91 Resp: 2250193

Ion Ratio Lower Upper

91 100

92 60.7 49.2 73.8



#54

1,2-Dibromoethane

Concen: 9.695 ppbv

RT: 10.011 min Scan# 2304

Delta R.T. 0.003 min

Lab File: VL041307.D

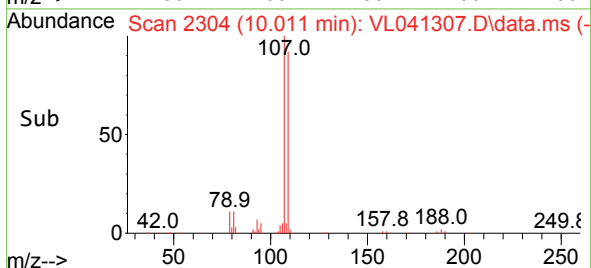
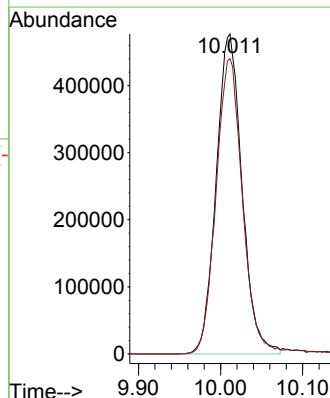
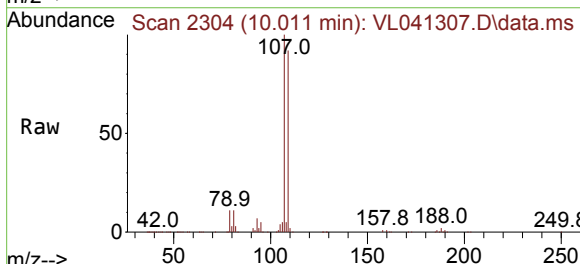
Acq: 4 Jun 2024 16:01

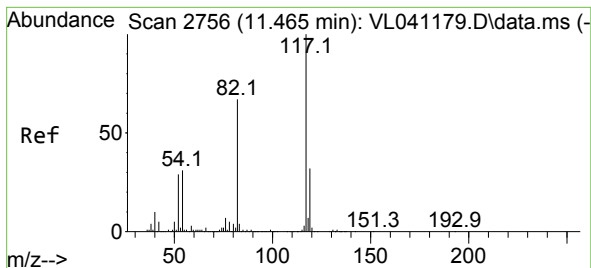
Tgt Ion: 107 Resp: 1044366

Ion Ratio Lower Upper

107 100

109 92.3 75.0 112.6

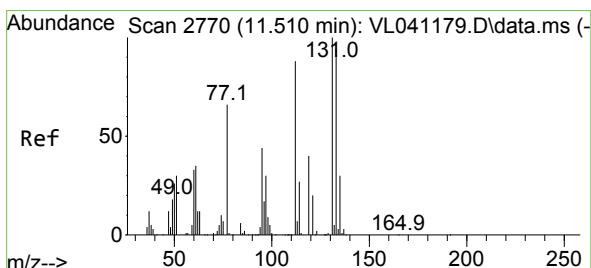
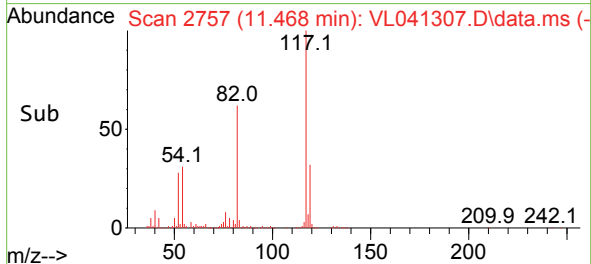
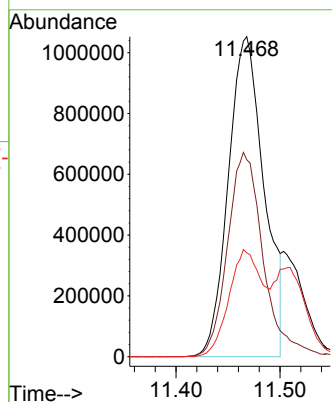
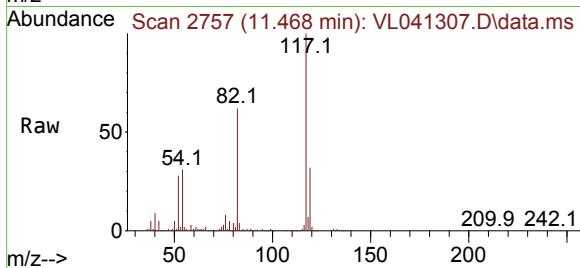




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.468 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL041307.D
Acq: 4 Jun 2024 16:01

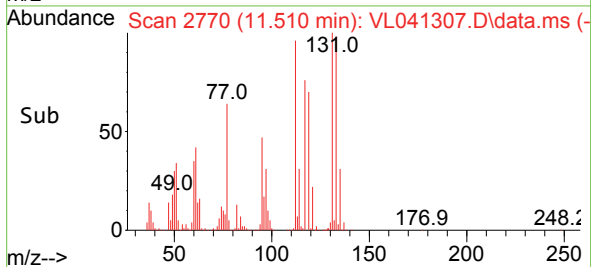
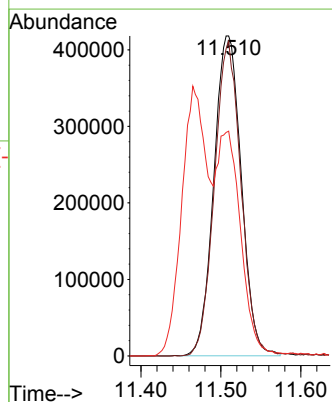
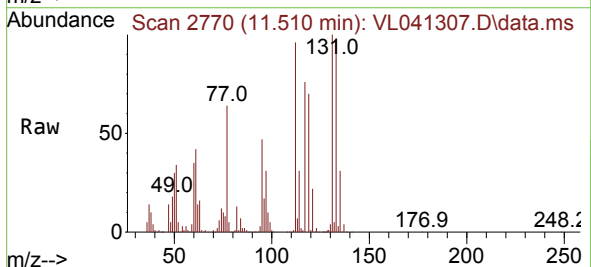
Instrument :
MSVOA_L
ClientSampleId :
VL0604ABS01

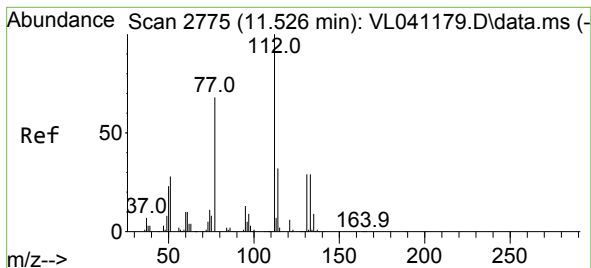
Tgt Ion:117 Resp: 2516085
Ion Ratio Lower Upper
117 100
82 64.5 52.3 78.5
119 30.3 26.2 39.2



#56
1,1,1,2-Tetrachloroethane
Concen: 9.360 ppbv
RT: 11.510 min Scan# 2770
Delta R.T. 0.003 min
Lab File: VL041307.D
Acq: 4 Jun 2024 16:01

Tgt Ion:131 Resp: 996134
Ion Ratio Lower Upper
131 100
133 95.7 75.8 113.6
119 70.5 48.3 72.5





#57

Chlorobenzene

Concen: 9.069 ppbv

RT: 11.526 min Scan# 21

Delta R.T. -0.000 min

Lab File: VL041307.D

Acq: 4 Jun 2024 16:01

Instrument :

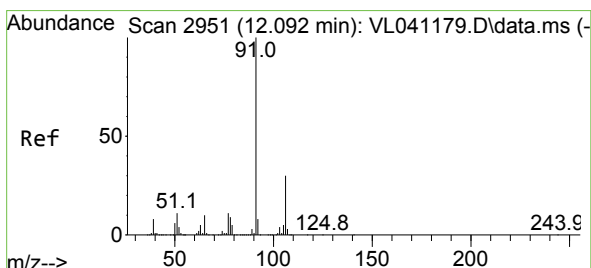
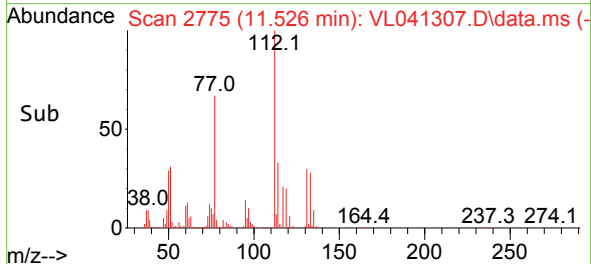
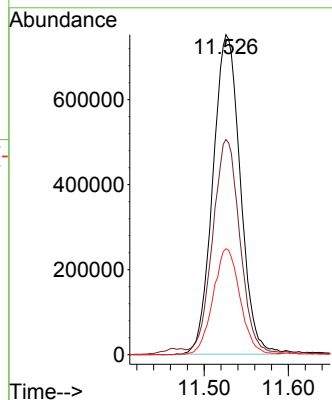
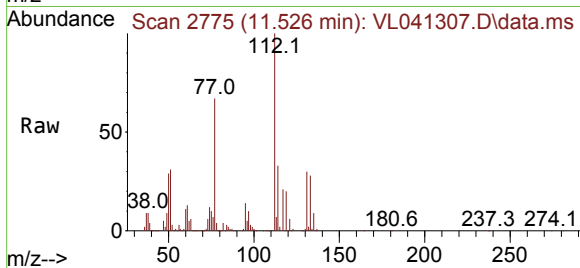
MSVOA_L

ClientSampleId :

VL0604ABS01

Tgt Ion:112 Resp: 1694942

Ion	Ratio	Lower	Upper
112	100		
77	66.6	52.0	78.0
114	33.0	29.8	36.4



#58

Ethyl Benzene

Concen: 9.413 ppbv

RT: 12.089 min Scan# 2950

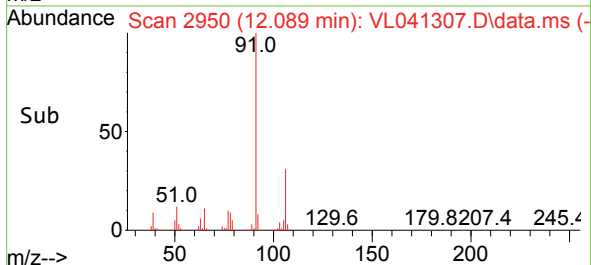
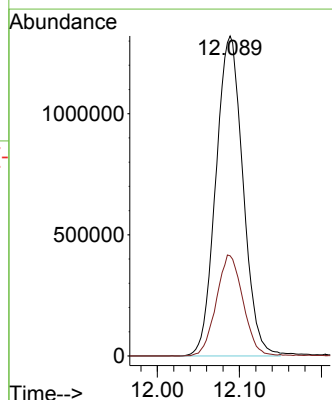
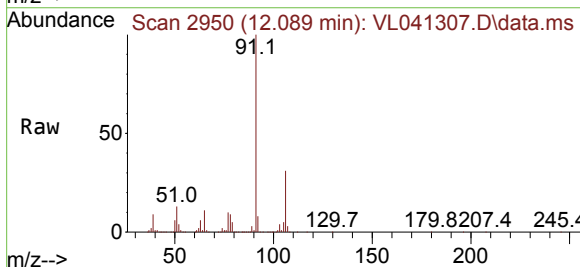
Delta R.T. 0.006 min

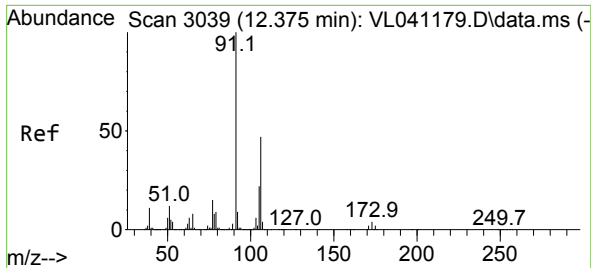
Lab File: VL041307.D

Acq: 4 Jun 2024 16:01

Tgt Ion: 91 Resp: 3035730

Ion	Ratio	Lower	Upper
91	100		
106	31.3	25.5	38.3

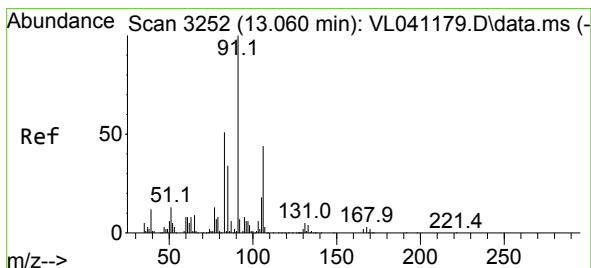
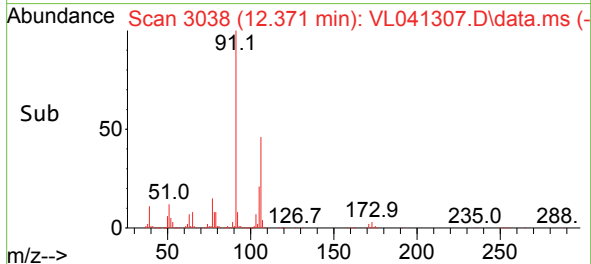
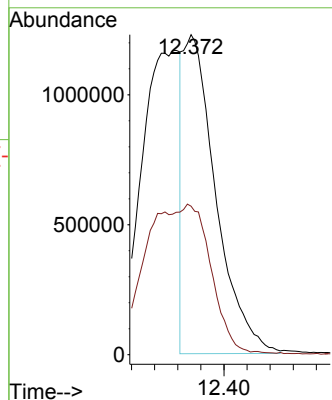
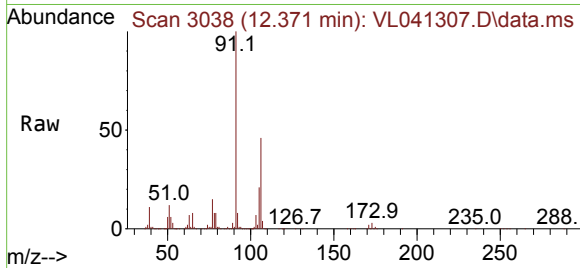




#59
m/p-Xylene
Concen: 8.706 ppbv
RT: 12.371 min Scan# 3039
Delta R.T. 0.006 min
Lab File: VL041307.D
Acq: 4 Jun 2024 16:01

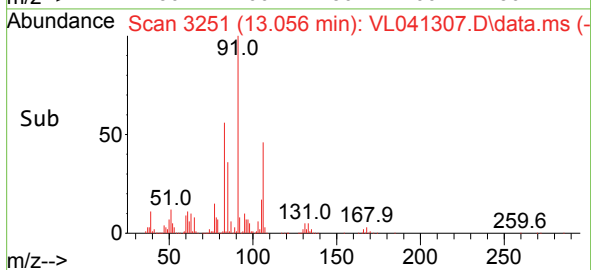
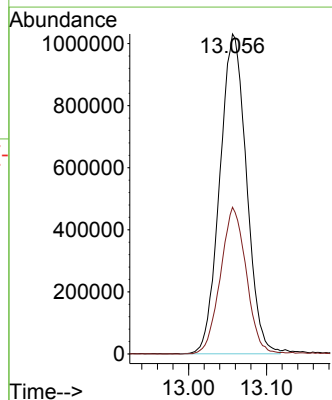
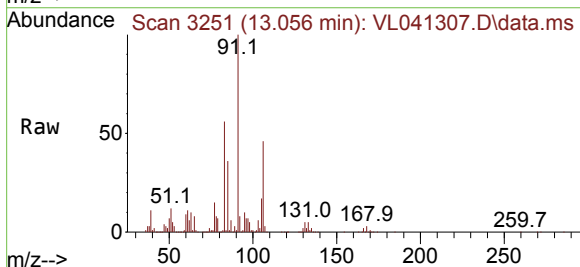
Instrument :
MSVOA_L
ClientSampleId :
VL0604ABS01

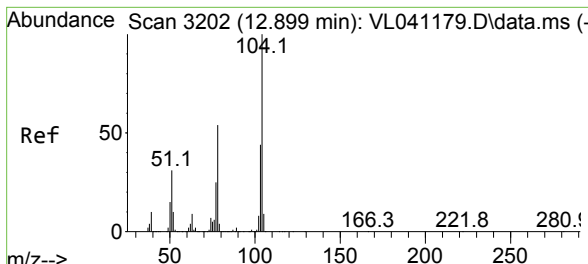
Tgt Ion: 91 Resp: 2405832
Ion Ratio Lower Upper
91 100
106 95.6 35.7 53.5#



#60
o-Xylene
Concen: 9.288 ppbv
RT: 13.056 min Scan# 3251
Delta R.T. 0.003 min
Lab File: VL041307.D
Acq: 4 Jun 2024 16:01

Tgt Ion: 91 Resp: 2446828
Ion Ratio Lower Upper
91 100
106 45.0 22.8 68.4



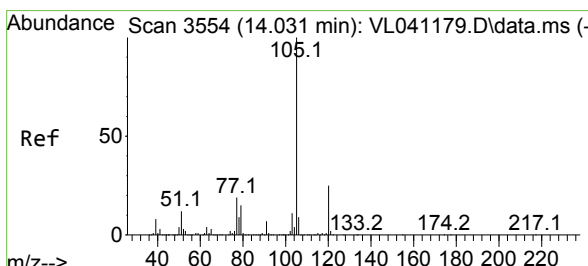
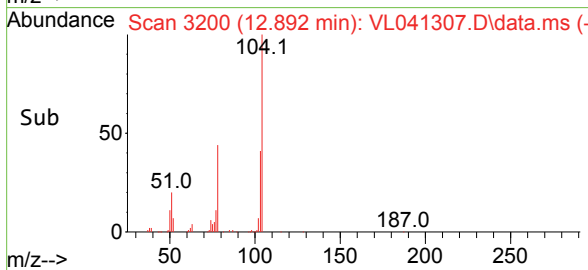
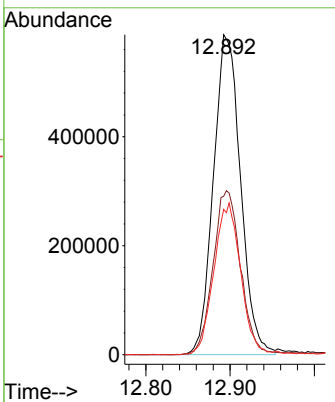
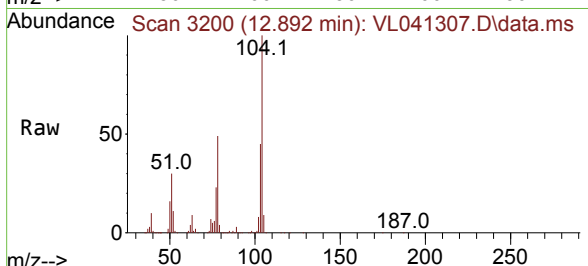


#61
 Styrene
 Concen: 10.152 ppbv
 RT: 12.892 min Scan# 3111
 Delta R.T. -0.000 min
 Lab File: VL041307.D
 Acq: 4 Jun 2024 16:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0604ABS01

Tgt Ion:104 Resp: 1311105

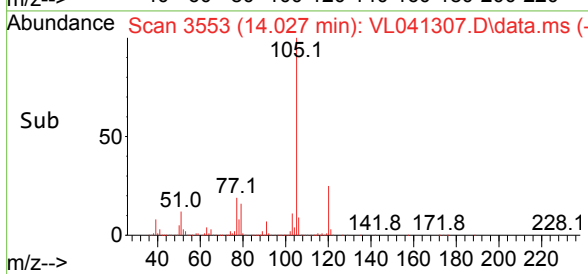
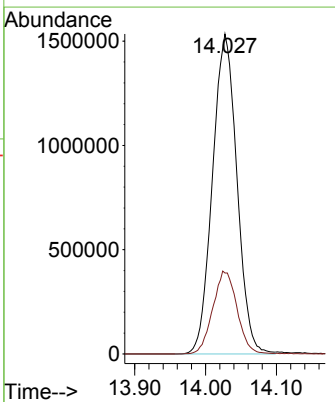
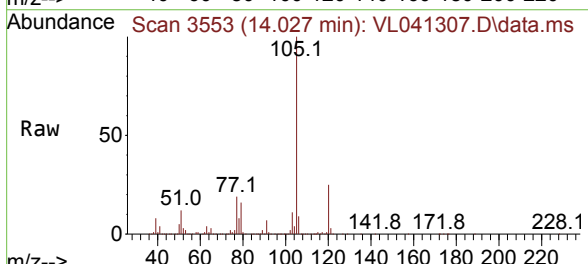
Ion	Ratio	Lower	Upper
104	100		
78	52.6	42.2	63.4
103	47.3	37.9	56.9

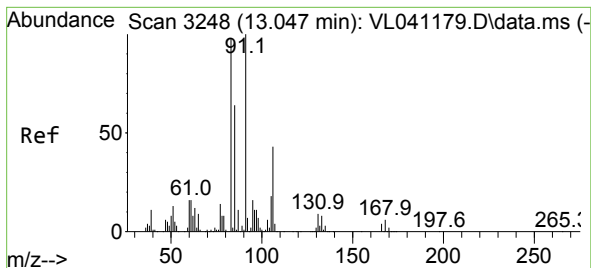


#62
 Isopropylbenzene
 Concen: 9.226 ppbv
 RT: 14.027 min Scan# 3553
 Delta R.T. 0.006 min
 Lab File: VL041307.D
 Acq: 4 Jun 2024 16:01

Tgt Ion:105 Resp: 3675651

Ion	Ratio	Lower	Upper
105	100		
120	25.8	20.4	30.6

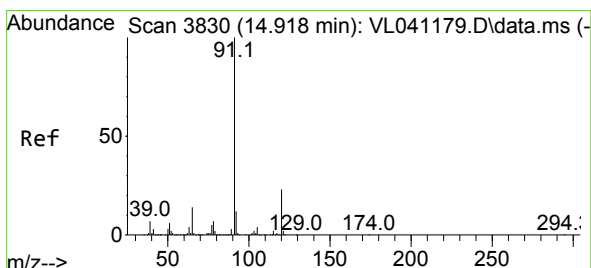
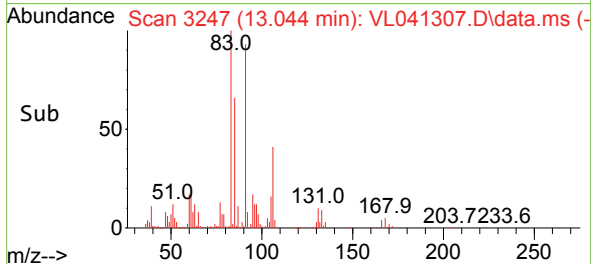
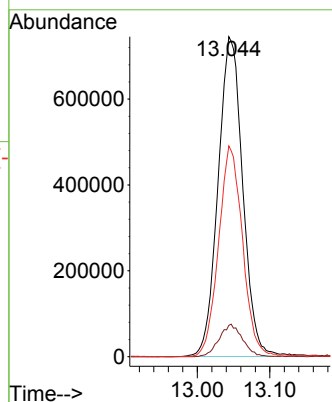
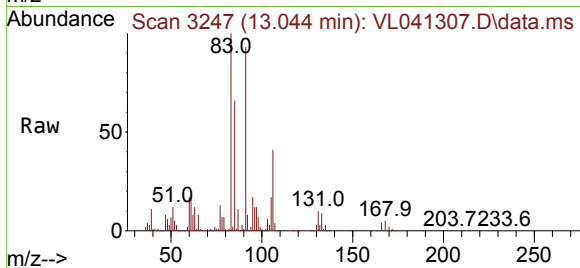




#63
1,1,2,2-Tetrachloroethane
Concen: 9.347 ppbv
RT: 13.044 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL041307.D
Acq: 4 Jun 2024 16:01

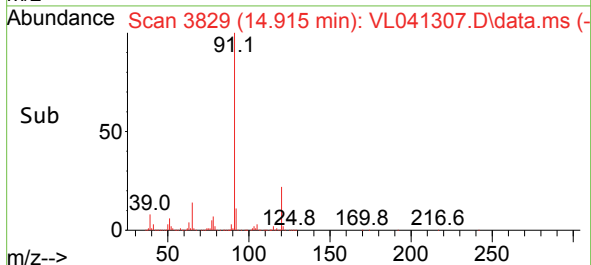
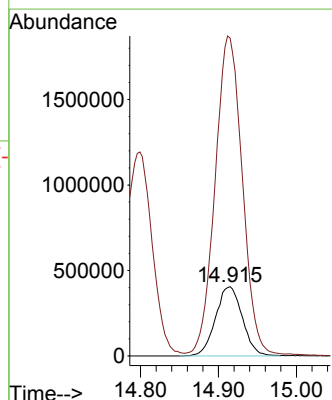
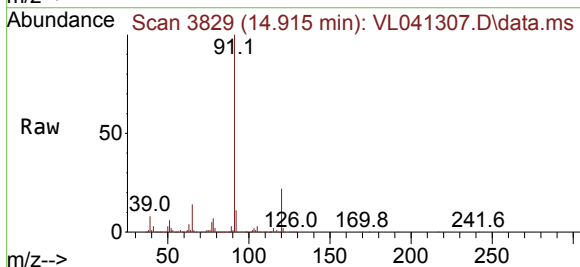
Instrument :
MSVOA_L
ClientSampleId :
VL0604ABS01

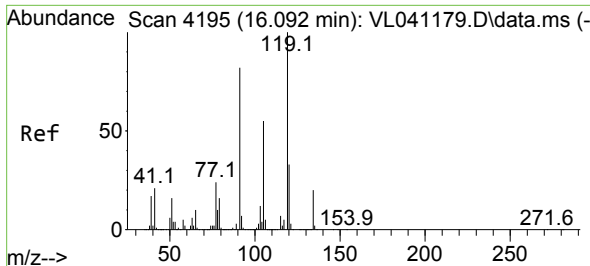
Tgt Ion: 83 Resp: 1751916
Ion Ratio Lower Upper
83 100
131 9.8 4.7 14.1
85 64.6 32.6 97.7



#64
n-propylbenzene
Concen: 9.421 ppbv
RT: 14.915 min Scan# 3829
Delta R.T. 0.007 min
Lab File: VL041307.D
Acq: 4 Jun 2024 16:01

Tgt Ion:120 Resp: 967409
Ion Ratio Lower Upper
120 100
91 472.2 374.2 561.2

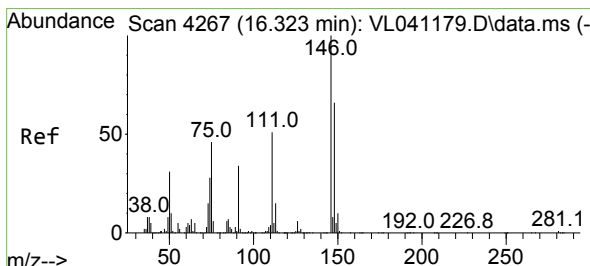
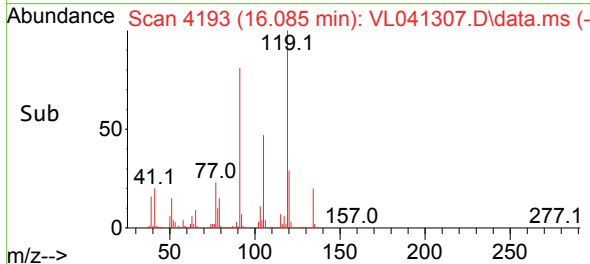
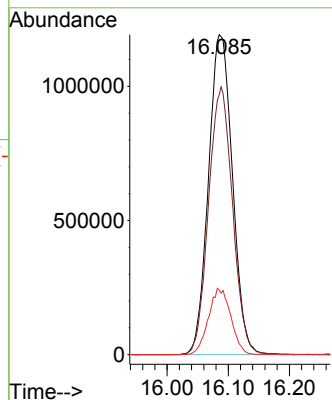
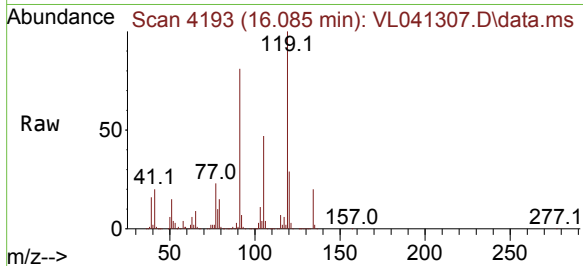




#65
tert-Butylbenzene
Concen: 9.163 ppbv
RT: 16.085 min Scan# 4193
Delta R.T. 0.003 min
Lab File: VL041307.D
Acq: 4 Jun 2024 16:01

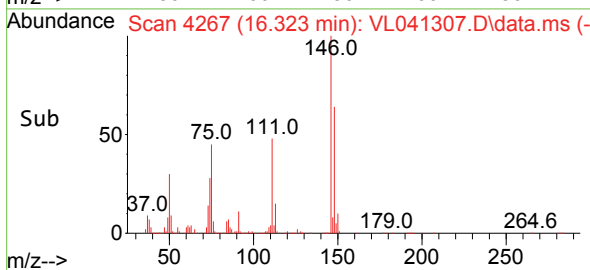
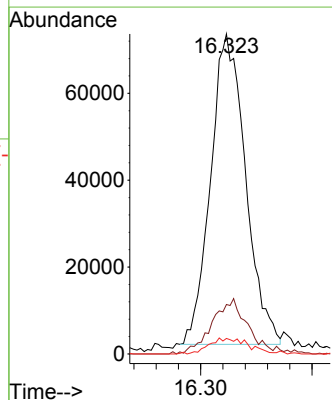
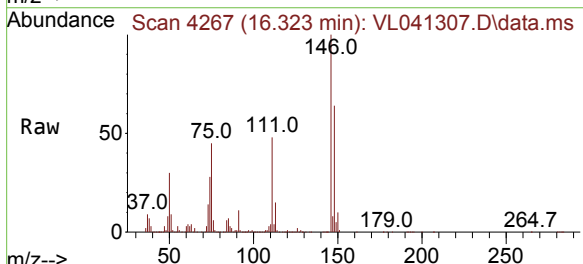
Instrument :
MSVOA_L
ClientSampleId :
VL0604ABS01

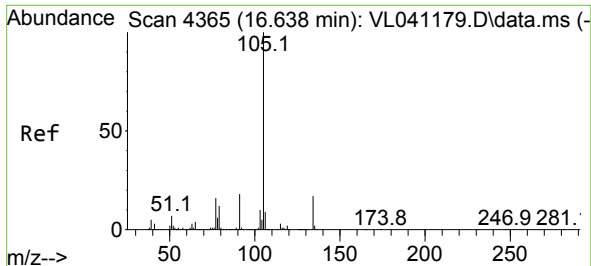
Tgt Ion:119 Resp: 3245412
Ion Ratio Lower Upper
119 100
91 83.8 66.5 99.7
134 19.5 15.7 23.5



#66
Benzyl Chloride
Concen: 6.678 ppbv
RT: 16.323 min Scan# 4267
Delta R.T. -0.000 min
Lab File: VL041307.D
Acq: 4 Jun 2024 16:01

Tgt Ion: 91 Resp: 155619
Ion Ratio Lower Upper
91 100
126 18.7 13.4 20.2
128 5.9 4.6 6.8

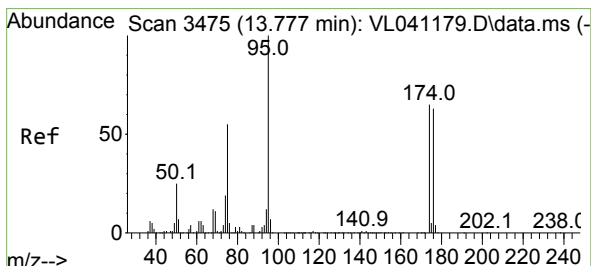
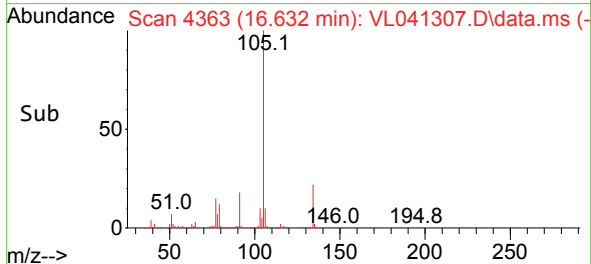
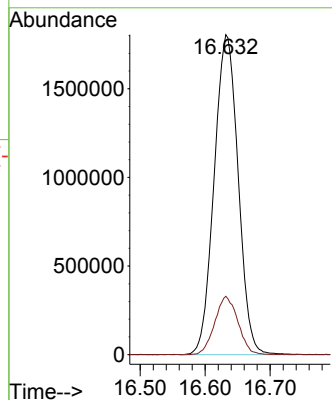
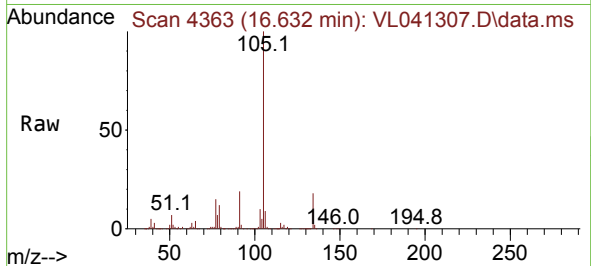




#67
 sec-Butylbenzene
 Concen: 9.228 ppbv
 RT: 16.632 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL041307.D
 Acq: 4 Jun 2024 16:01

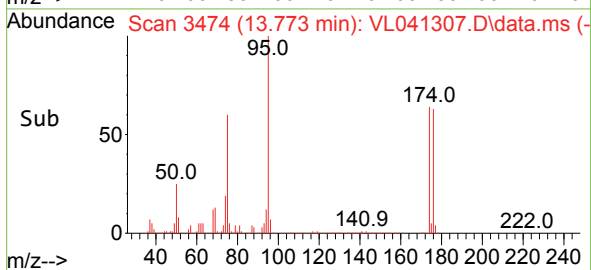
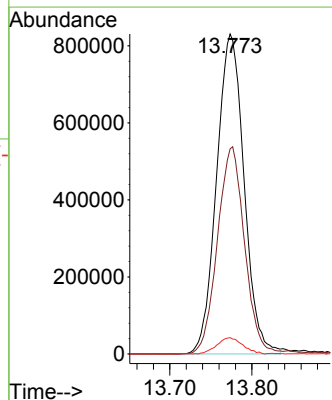
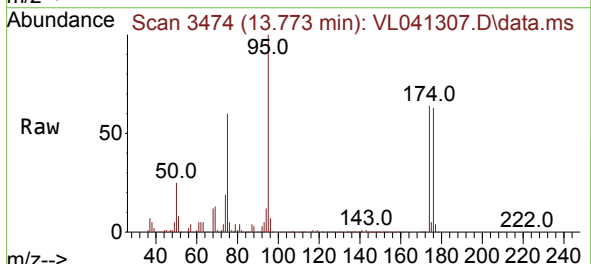
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0604ABS01

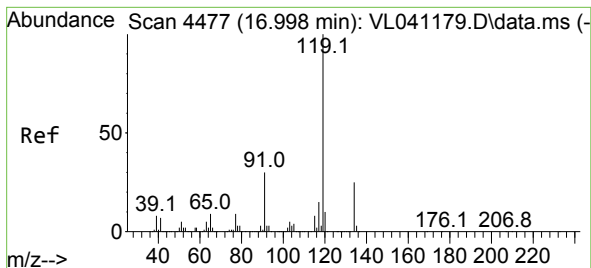
Tgt Ion:105 Resp: 4617503
 Ion Ratio Lower Upper
 105 100
 134 17.7 14.3 21.5



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.957 ppbv
 RT: 13.773 min Scan# 3474
 Delta R.T. 0.003 min
 Lab File: VL041307.D
 Acq: 4 Jun 2024 16:01

Tgt Ion: 95 Resp: 1934373
 Ion Ratio Lower Upper
 95 100
 174 65.0 52.2 78.2
 175 4.9 4.1 6.1





#69

p-Isopropyltoluene

Concen: 9.393 ppbv

RT: 16.992 min Scan# 4477

Delta R.T. 0.003 min

Lab File: VL041307.D

Acq: 4 Jun 2024 16:01

Instrument :

MSVOA_L

ClientSampleId :

VL0604ABS01

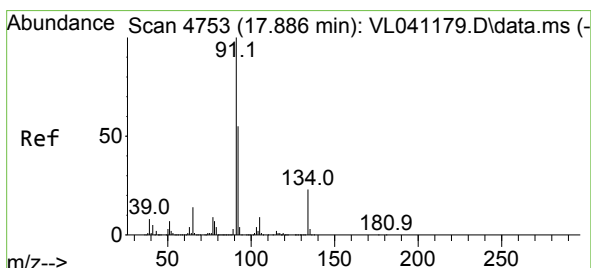
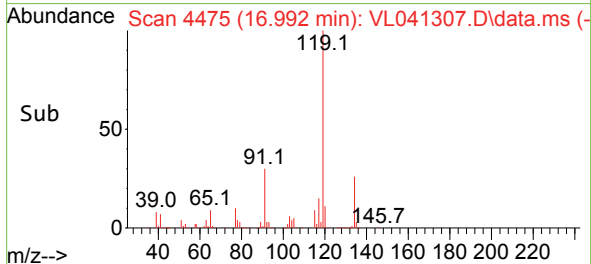
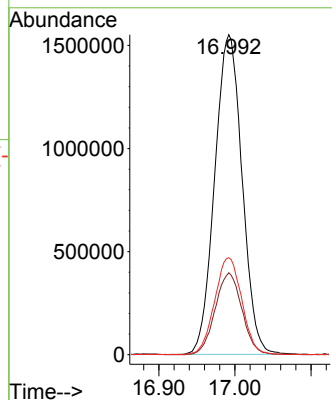
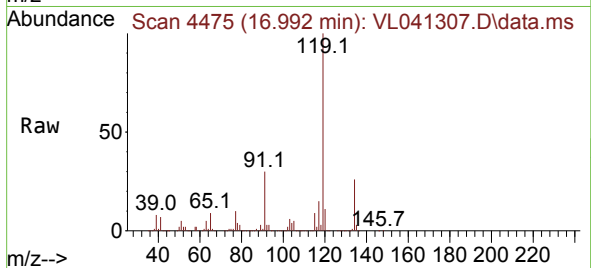
Tgt Ion:119 Resp: 3873254

Ion Ratio Lower Upper

119 100

134 25.1 20.1 30.1

91 30.2 24.1 36.1



#70

n-Butylbenzene

Concen: 9.519 ppbv

RT: 17.883 min Scan# 4752

Delta R.T. 0.006 min

Lab File: VL041307.D

Acq: 4 Jun 2024 16:01

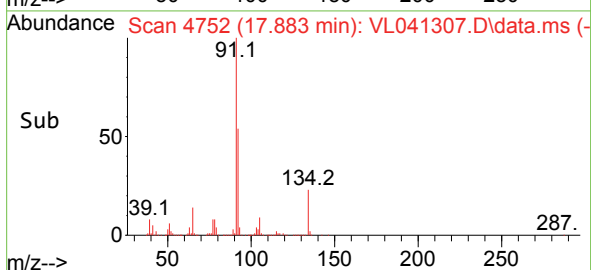
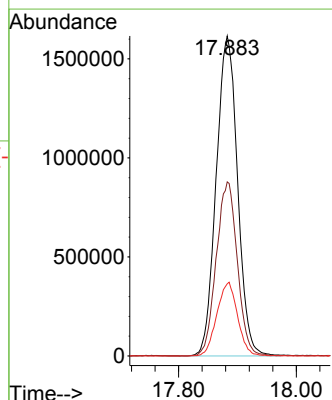
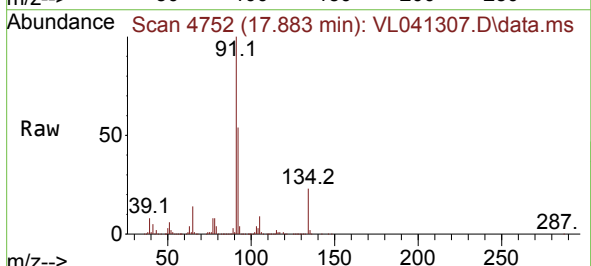
Tgt Ion: 91 Resp: 4072153

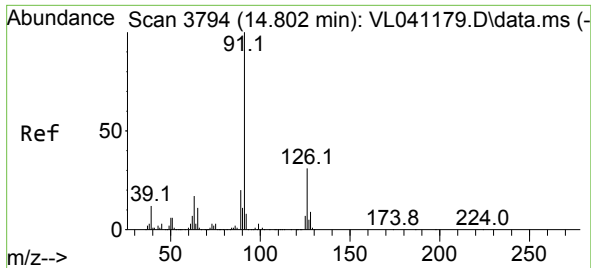
Ion Ratio Lower Upper

91 100

92 53.8 42.9 64.3

134 22.4 17.9 26.9

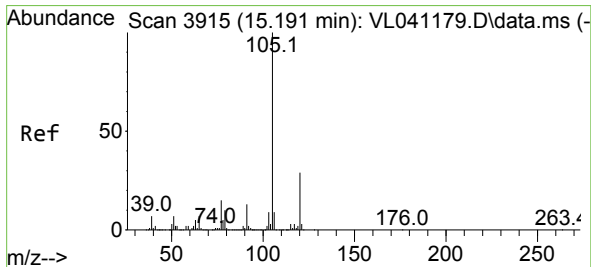
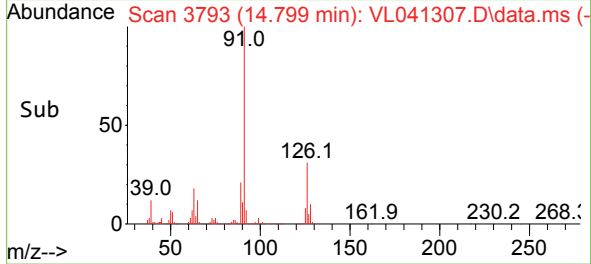
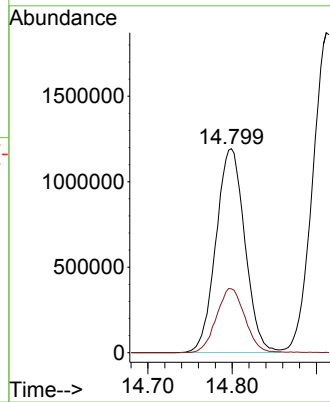
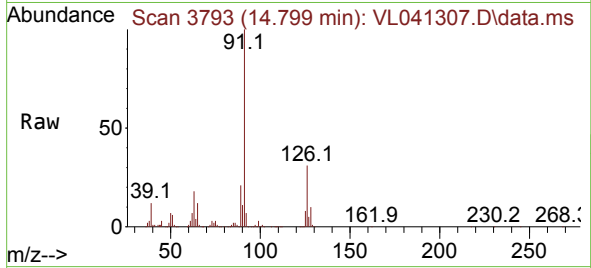




#71
2-Chlorotoluene
Concen: 9.304 ppbv
RT: 14.799 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL041307.D
Acq: 4 Jun 2024 16:01

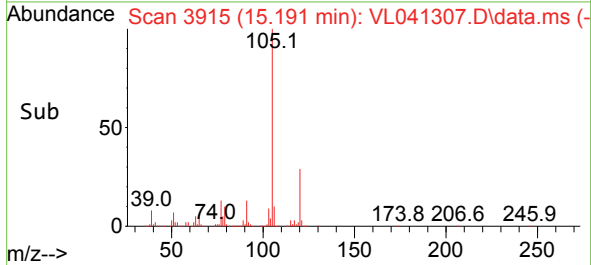
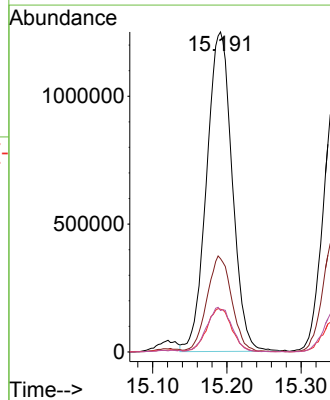
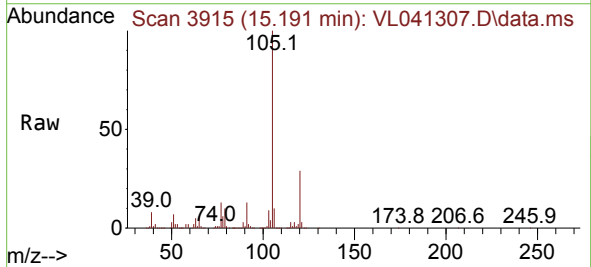
Instrument :
MSVOA_L
ClientSampleId :
VL0604ABS01

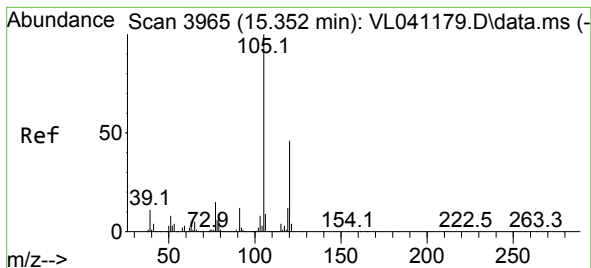
Tgt Ion: 91 Resp: 2837007
Ion Ratio Lower Upper
91 100
126 31.1 12.4 49.8



#72
4-Ethyltoluene
Concen: 9.749 ppbv
RT: 15.191 min Scan# 3915
Delta R.T. 0.003 min
Lab File: VL041307.D
Acq: 4 Jun 2024 16:01

Tgt Ion:105 Resp: 2991820
Ion Ratio Lower Upper
105 100
120 29.2 23.7 35.5
91 13.2 10.6 16.0
77 14.3 11.6 17.4





#73

1,3,5-Trimethylbenzene

Concen: 9.741 ppbv

RT: 15.346 min Scan# 3965

Delta R.T. 0.003 min

Lab File: VL041307.D

Acq: 4 Jun 2024 16:01

Instrument :

MSVOA_L

ClientSampleId :

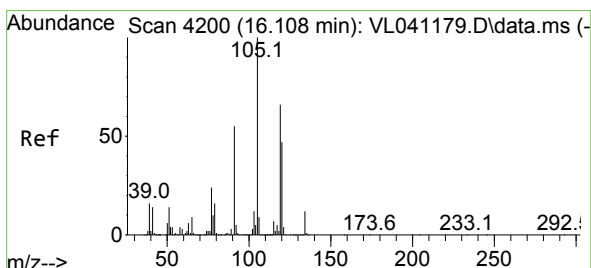
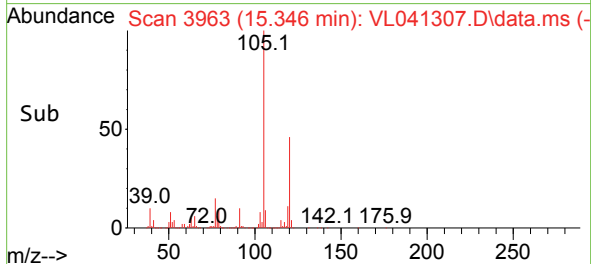
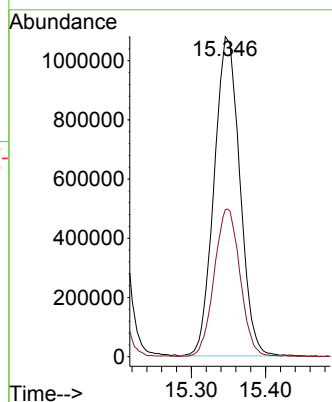
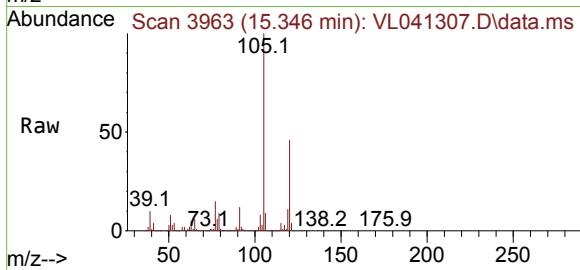
VL0604ABS01

Tgt Ion:105 Resp: 2594739

Ion Ratio Lower Upper

105 100

120 46.0 37.8 56.8



#74

1,2,4-Trimethylbenzene

Concen: 9.425 ppbv

RT: 16.104 min Scan# 4199

Delta R.T. -0.000 min

Lab File: VL041307.D

Acq: 4 Jun 2024 16:01

Tgt Ion:105 Resp: 2839068

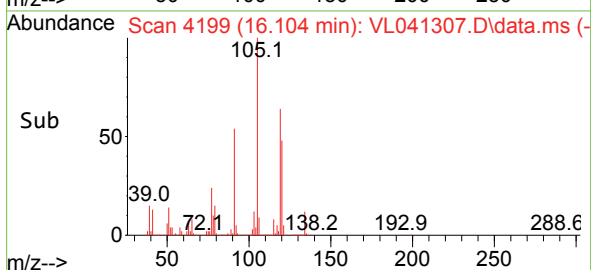
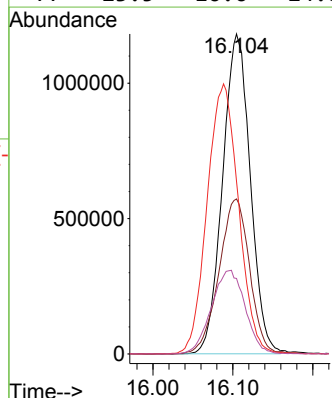
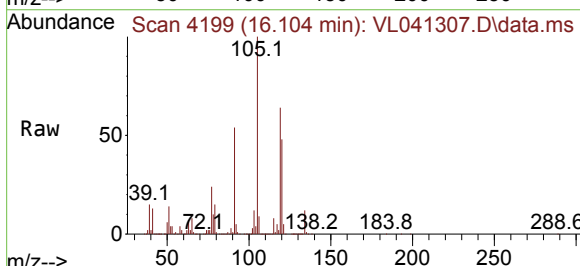
Ion Ratio Lower Upper

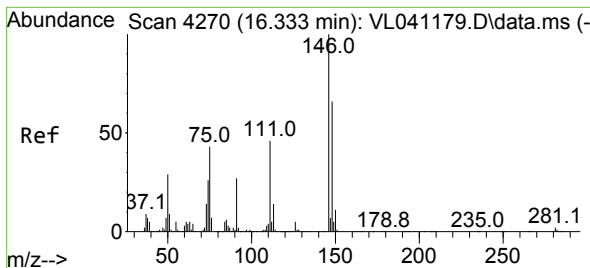
105 100

120 48.3 37.0 55.6

91 53.4 36.2 54.4

77 23.5 16.6 24.8





#75

1,3-Dichlorobenzene

Concen: 9.683 ppbv

RT: 16.326 min Scan# 4268

Delta R.T. 0.003 min

Lab File: VL041307.D

Acq: 4 Jun 2024 16:01

Instrument :

MSVOA_L

ClientSampleId :

VL0604ABS01

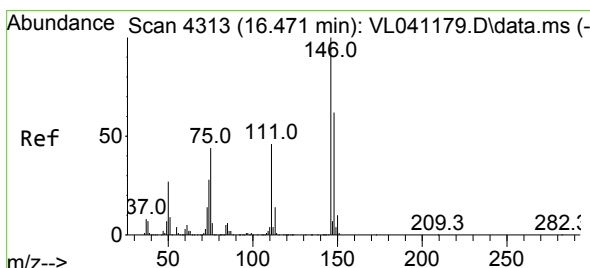
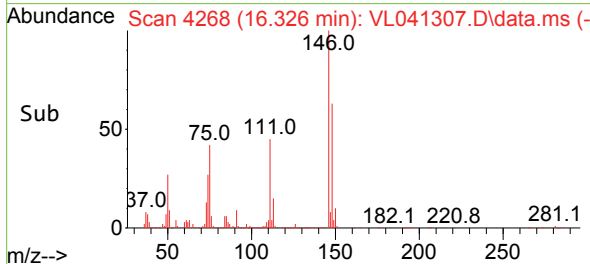
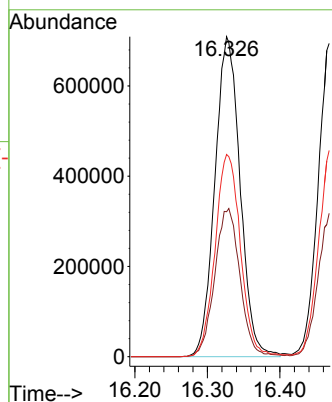
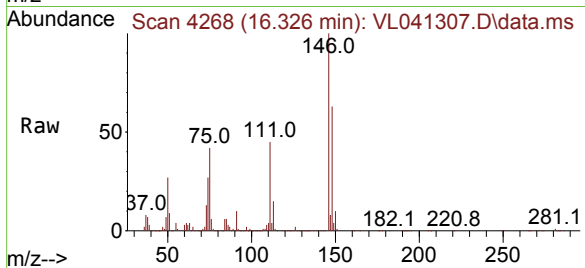
Tgt Ion:146 Resp: 1712320

Ion Ratio Lower Upper

146 100

111 46.4 23.3 69.8

148 63.8 32.2 96.6



#76

1,4-Dichlorobenzene

Concen: 9.379 ppbv

RT: 16.471 min Scan# 4313

Delta R.T. 0.006 min

Lab File: VL041307.D

Acq: 4 Jun 2024 16:01

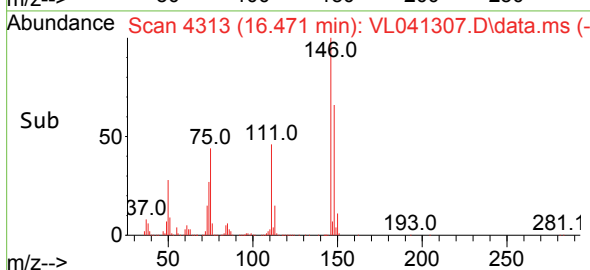
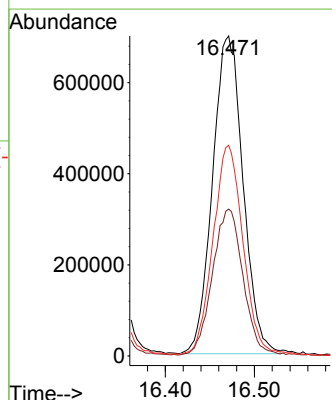
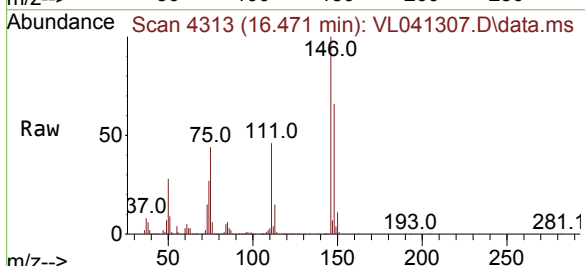
Tgt Ion:146 Resp: 1657286

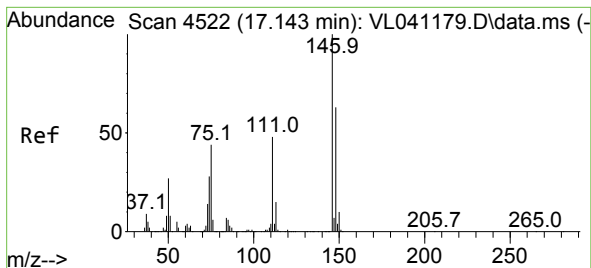
Ion Ratio Lower Upper

146 100

111 46.9 23.3 69.9

148 66.1 32.9 98.6





#77

1,2-Dichlorobenzene

Concen: 9.413 ppbv

RT: 17.140 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041307.D

Acq: 4 Jun 2024 16:01

Instrument :

MSVOA_L

ClientSampleId :

VL0604ABS01

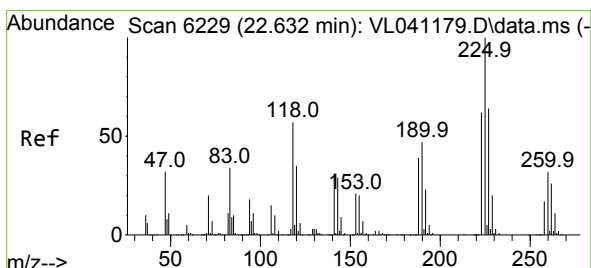
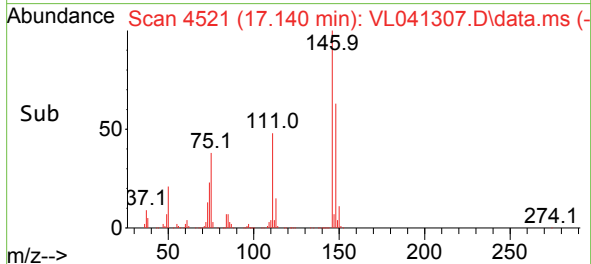
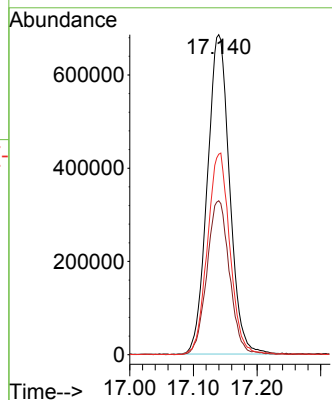
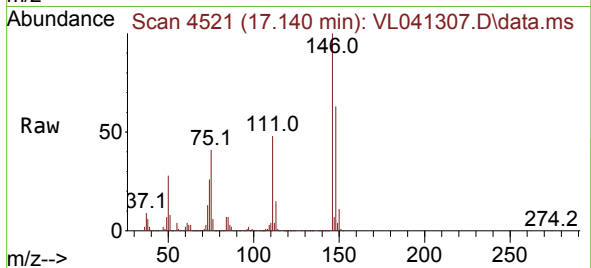
Tgt Ion:146 Resp: 1666375

Ion Ratio Lower Upper

146 100

111 48.9 24.3 72.9

148 64.0 32.0 96.0



#78

Hexachloro-1,3-Butadiene

Concen: 8.350 ppbv

RT: 22.628 min Scan# 6228

Delta R.T. 0.003 min

Lab File: VL041307.D

Acq: 4 Jun 2024 16:01

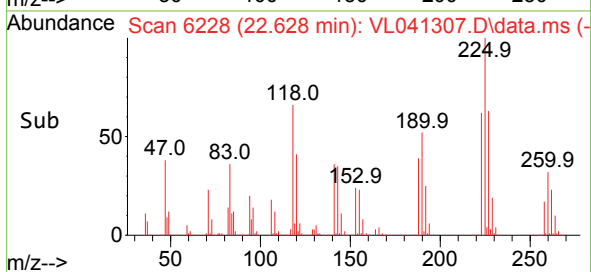
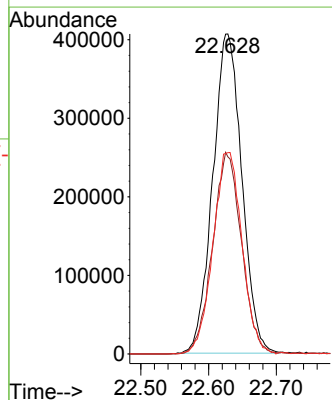
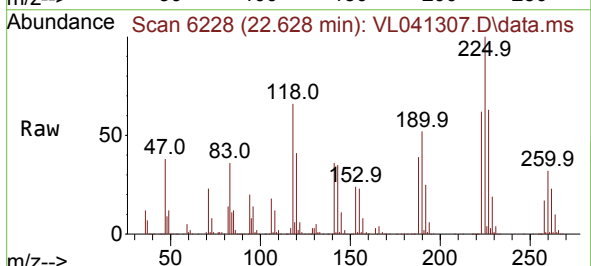
Tgt Ion:225 Resp: 1211353

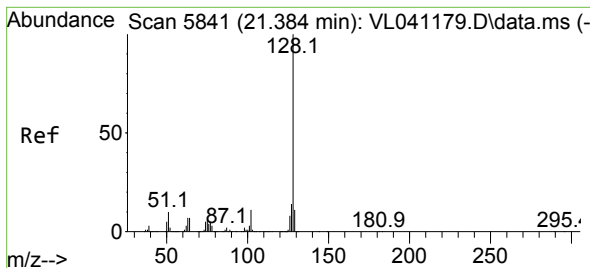
Ion Ratio Lower Upper

225 100

223 62.9 51.0 76.6

227 63.6 51.1 76.7





#79

Naphthalene

Concen: 11.159 ppbv

RT: 21.378 min Scan# 5839

Delta R.T. 0.006 min

Lab File: VL041307.D

Acq: 4 Jun 2024 16:01

Instrument :

MSVOA_L

ClientSampleId :

VL0604ABS01

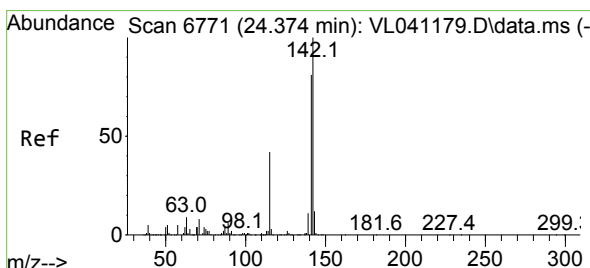
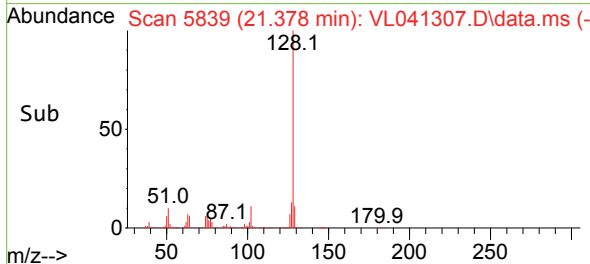
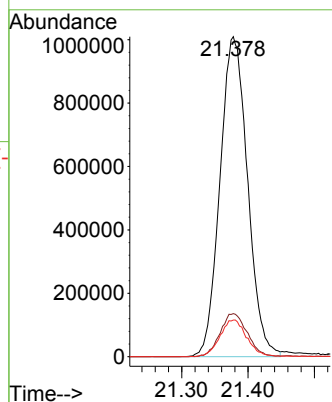
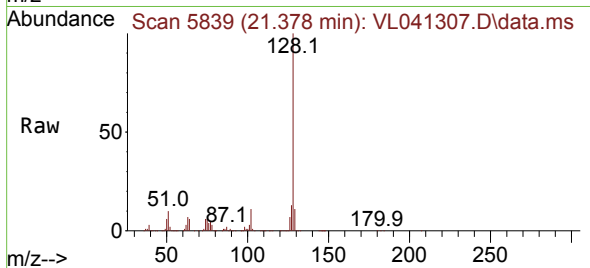
Tgt Ion:128 Resp: 2916888

Ion Ratio Lower Upper

128 100

127 13.5 10.5 15.7

129 11.5 9.1 13.7



#80

Naphthalene,2-methyl-

Concen: 9.641 ppbv

RT: 24.371 min Scan# 6770

Delta R.T. 0.006 min

Lab File: VL041307.D

Acq: 4 Jun 2024 16:01

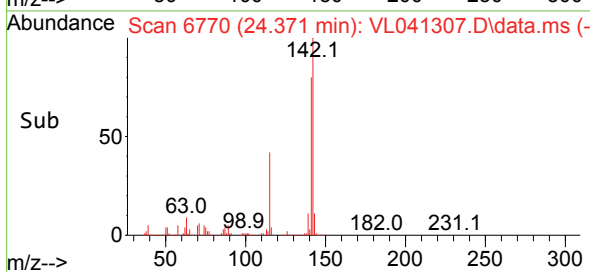
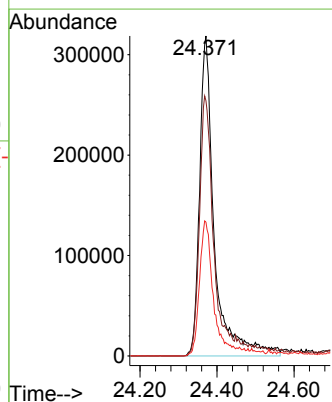
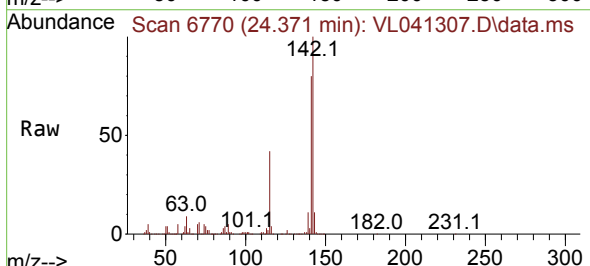
Tgt Ion:142 Resp: 851013

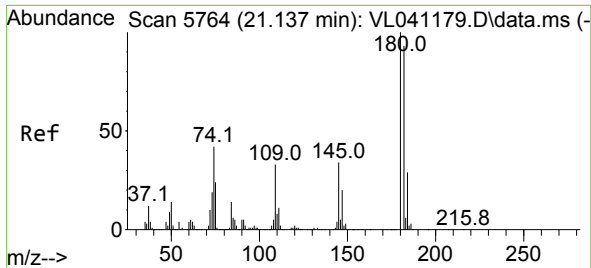
Ion Ratio Lower Upper

142 100

141 80.9 68.5 102.7

115 42.4 32.6 49.0





#81

1,2,4-Trichlorobenzene

Concen: 9.648 ppbv

RT: 21.133 min Scan# 51

Delta R.T. 0.003 min

Lab File: VL041307.D

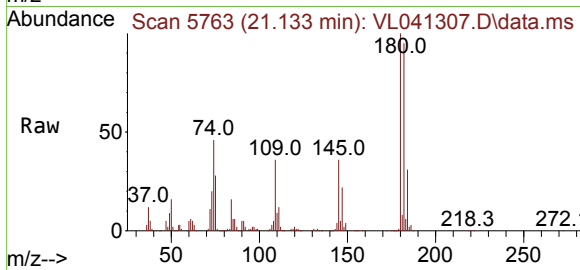
Acq: 4 Jun 2024 16:01

Instrument :

MSVOA_L

ClientSampleId :

VL0604ABS01



Tgt Ion:180 Resp: 1406257

Ion Ratio Lower Upper

180 100

182 96.8 77.0 115.6

184 30.4 0.0 0.0#

