

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050624\
 Data File : VL041212.D
 Acq On : 6 May 2024 11:02
 Operator : SY/MD
 Sample : VL0506ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0506ABS01

Quant Time: May 07 05:21:41 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue May 07 05:19:44 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	915298	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.651	114	2421700	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.458	117	2857143	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.767	95	1766067	8.188	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.900%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.735	85	1251956	10.112	ppbv	98
3) Chlorodifluoromethane	2.681	51	1384426	9.959	ppbv	100
4) Chloromethane	2.819	50	542435	9.944	ppbv	93
5) Vinyl Chloride	2.925	62	557651	10.176	ppbv	100
6) Bromomethane	3.124	94	196411	9.824	ppbv	97
7) Chloroethane	3.201	64	190519	9.847	ppbv	97
8) Dichlorotetrafluoroethane	2.864	85	1288077	10.051	ppbv	98
9) Propene	2.700	41	518293	9.527	ppbv	98
10) Heptane	7.577	43	1252645	9.504	ppbv	98
11) Trichlorofluoromethane	3.565	101	1354000	10.761	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.066	101	985430	10.590	ppbv	99
13) Ethanol	3.240	45	48551	3.981	ppbv #	9
14) Bromoethene	3.369	108	390153	10.160	ppbv	99
15) Acetone	3.471	43	1013072	9.378	ppbv	98
16) 1,3-Butadiene	2.989	39	551862	10.121	ppbv	99
17) tert-Butyl alcohol	3.880	59	1088278	9.339	ppbv	100
18) 1,1-Dichloroethene	3.880	96	432883	10.434	ppbv	97
19) Isopropyl Alcohol	3.578	45	696253	9.823	ppbv #	43
20) Methylene Chloride	3.934	84	375880	10.006	ppbv	99
21) Allyl Chloride	3.996	41	713160	10.125	ppbv	97
22) trans-1,2-Dichloroethene	4.446	96	444943	10.312	ppbv	97
23) Vinyl Acetate	4.626	43	1220148	10.258	ppbv	99
24) 1,1-Dichloroethane	4.565	63	962799	10.409	ppbv	99
25) Ethyl Acetate	5.205	43	2064157	9.573	ppbv	99
26) Hexane	5.211	57	910590	9.464	ppbv	99
27) Carbon Disulfide	4.124	76	1172499	10.294	ppbv	98
28) Methyl tert-Butyl Ether	4.587	73	729961	9.528	ppbv	98
29) Chloroform	5.272	83	1354900	10.207	ppbv	99
30) Cyclohexane	6.597	84	764178	10.033	ppbv	99
31) cis-1,2-Dichloroethene	5.079	61	884410	9.818	ppbv	98
32) 1,1,1-Trichloroethane	5.999	97	1367421	10.325	ppbv	99
34) 2-Butanone	4.783	43	1116770	9.060	ppbv	99
35) Carbon Tetrachloride	6.491	117	1377025	10.132	ppbv	98
36) Benzene	6.368	78	1934803	9.520	ppbv	99
37) 1,2-Dichloroethane	5.806	62	1062397	10.019	ppbv	99
38) Trichloroethene	7.288	130	722572	9.541	ppbv	97
39) 1,2-Dichloropropane	7.069	63	753157	9.616	ppbv	98
40) 1,4-Dioxane	7.278	88	284836	10.180	ppbv	96
41) Tetrahydrofuran	5.555	42	831570	9.319	ppbv	100
42) Bromodichloromethane	7.246	83	1540696	10.131	ppbv	99
43) Methyl Methacrylate	7.468	69	787871	9.585	ppbv	98
44) 2,2,4-Trimethylpentane	7.323	57	3248970	9.272	ppbv	100
45) t-1,3-Dichloropropene	8.706	75	605299	10.162	ppbv	98

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 Sample : VL0506ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

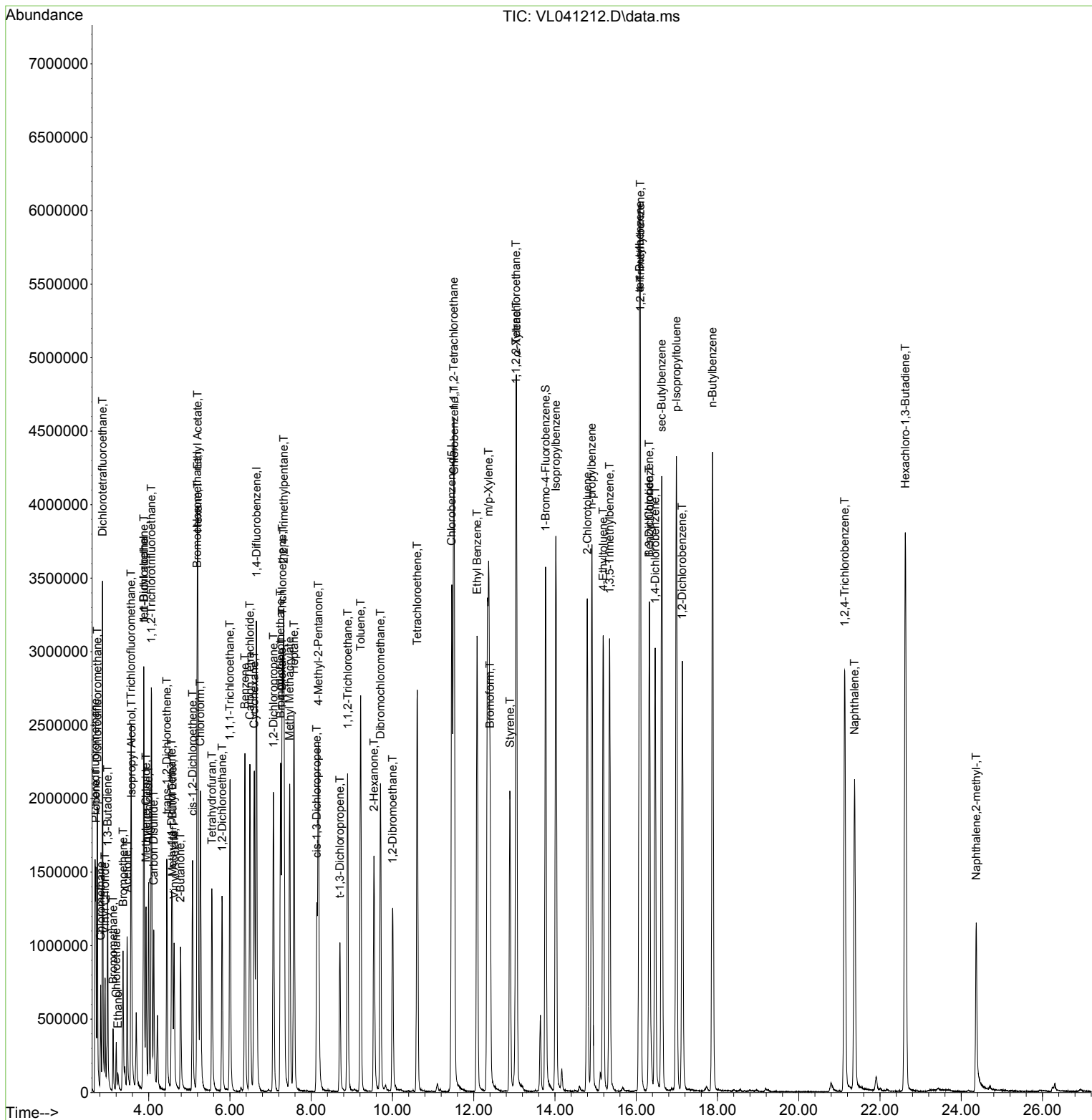
Instrument :
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 ClientSampleId :
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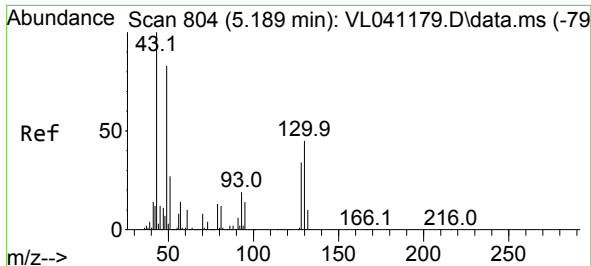
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue May 07 05:19:44 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.137	75	721071	9.888	ppbv	99
47) 1,1,2-Trichloroethane	8.896	97	783313	9.992	ppbv	98
48) Dibromochloromethane	9.706	129	1274076	10.200	ppbv	99
49) Bromoform	12.404	173	1089544	10.254	ppbv	99
50) 4-Methyl-2-Pentanone	8.179	43	2031485	9.184	ppbv	99
51) 2-Hexanone	9.545	43	1494023	9.106	ppbv #	99
52) Tetrachloroethene	10.609	164	676203	9.467	ppbv	95
53) Toluene	9.217	91	2249986	9.548	ppbv	100
54) 1,2-Dibromoethane	10.005	107	1075927	10.133	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.507	131	934653	8.068	ppbv	99
57) Chlorobenzene	11.523	112	1646841	7.870	ppbv	99
58) Ethyl Benzene	12.085	91	3005194	7.671	ppbv	98
59) m/p-Xylene	12.368	91	2655790	8.066	ppbv #	40
60) o-Xylene	13.053	91	2383005	7.721	ppbv	100
61) Styrene	12.892	104	1288818	7.905	ppbv	100
62) Isopropylbenzene	14.024	105	3541533	7.671	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.040	83	1650496	7.845	ppbv	100
64) n-propylbenzene	14.908	120	923919	8.022	ppbv	98
65) tert-Butylbenzene	16.085	119	3066885	7.417	ppbv	99
66) Benzyl Chloride	16.323	91	280458	5.992	ppbv	100
67) sec-Butylbenzene	16.629	105	4391312	7.544	ppbv	99
69) p-Isopropyltoluene	16.989	119	3641676	7.592	ppbv	100
70) n-Butylbenzene	17.879	91	3836776	7.659	ppbv	99
71) 2-Chlorotoluene	14.796	91	2736959	7.786	ppbv	99
72) 4-Ethyltoluene	15.188	105	2865434	8.196	ppbv	98
73) 1,3,5-Trimethylbenzene	15.346	105	2466262	7.797	ppbv	99
74) 1,2,4-Trimethylbenzene	16.104	105	2676654	7.748	ppbv	93
75) 1,3-Dichlorobenzene	16.323	146	1589839	8.026	ppbv	99
76) 1,4-Dichlorobenzene	16.468	146	1552244	8.148	ppbv	99
77) 1,2-Dichlorobenzene	17.133	146	1547151	7.813	ppbv	99
78) Hexachloro-1,3-Butadiene	22.625	225	662304	3.763	ppbv #	42
79) Naphthalene	21.374	128	2701491	8.212	ppbv	99
80) Naphthalene,2-methyl-	24.371	142	891770	6.738	ppbv	96
81) 1,2,4-Trichlorobenzene	21.133	180	1314196	7.566	ppbv	99

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M
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Response via : Initial Calibration

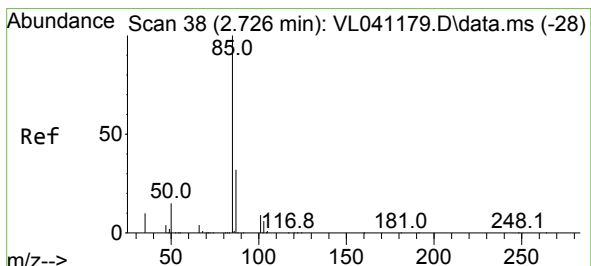
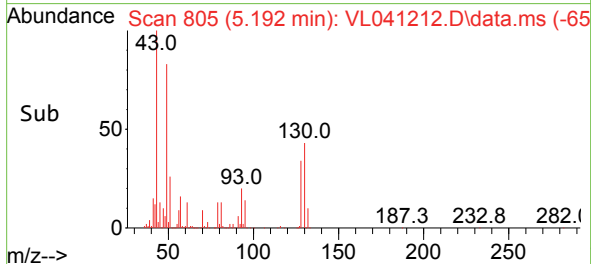
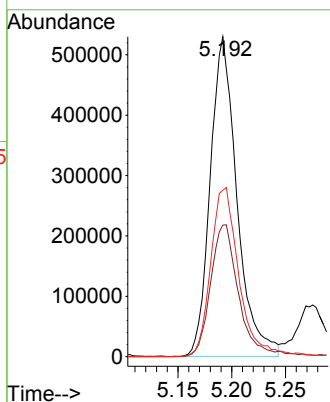
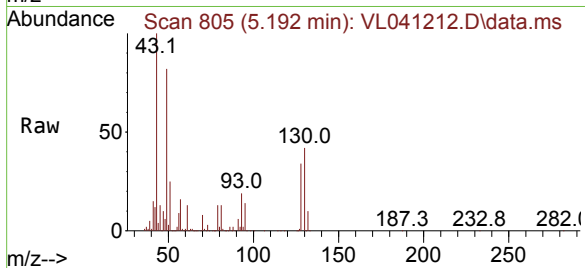




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. -0.003 min
Lab File: VL041212.D
Acq: 6 May 2024 11:02

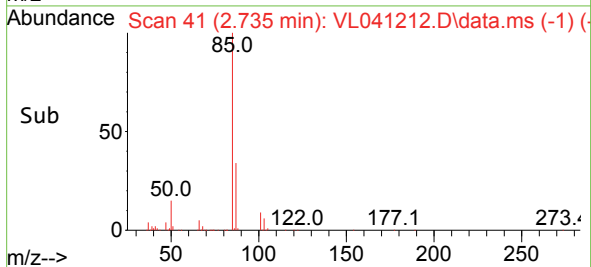
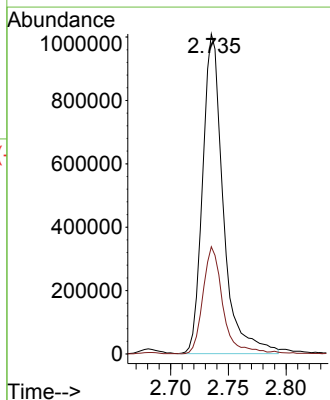
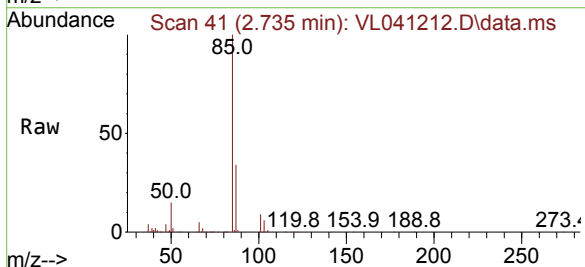
Instrument :
MSVOA_L
ClientSampleId :
VL0506ABS01

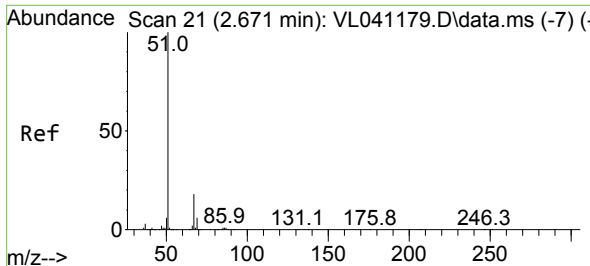
Tgt Ion: 49 Resp: 915298
Ion Ratio Lower Upper
49 100
128 44.3 21.5 64.5
130 56.5 27.2 81.6



#2
Dichlorodifluoromethane
Concen: 10.112 ppbv
RT: 2.735 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL041212.D
Acq: 6 May 2024 11:02

Tgt Ion: 85 Resp: 1251956
Ion Ratio Lower Upper
85 100
87 33.4 25.7 38.5

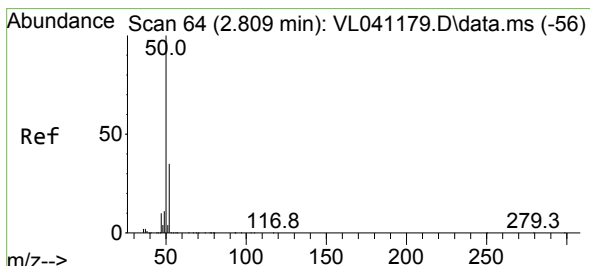
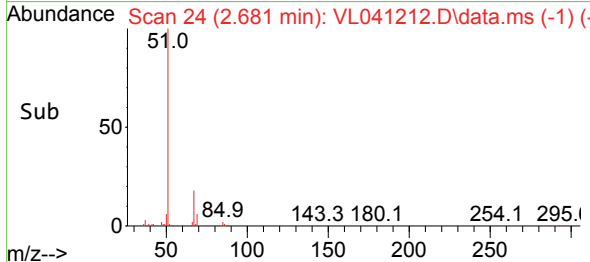
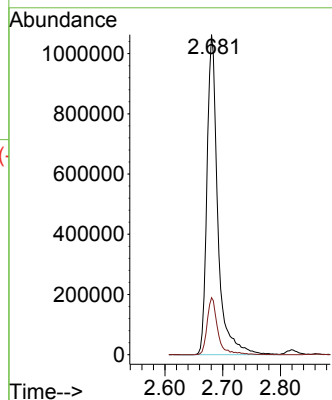
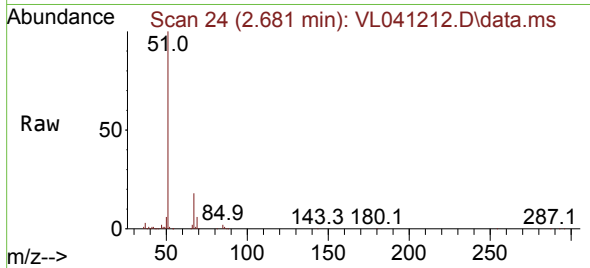




#3
Chlorodifluoromethane
Concen: 9.959 ppbv
RT: 2.681 min Scan# 24
Delta R.T. -0.003 min
Lab File: VL041212.D
Acq: 6 May 2024 11:02

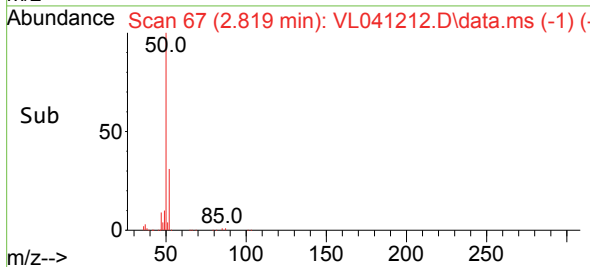
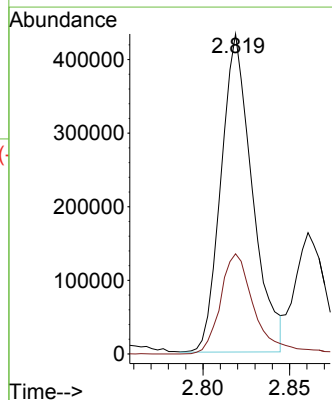
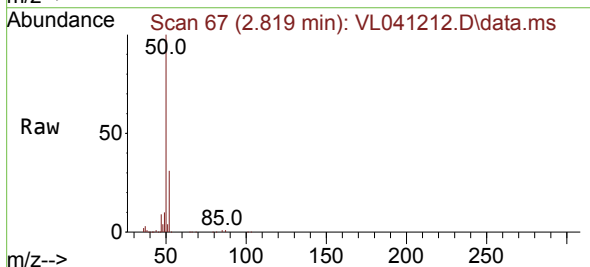
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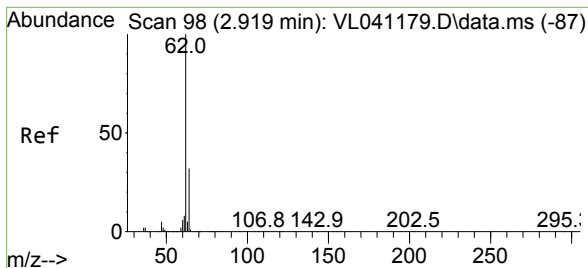
Tgt Ion: 51 Resp: 1384426
Ion Ratio Lower Upper
51 100
67 17.6 14.0 21.0



#4
Chloromethane
Concen: 9.944 ppbv
RT: 2.819 min Scan# 67
Delta R.T. -0.003 min
Lab File: VL041212.D
Acq: 6 May 2024 11:02

Tgt Ion: 50 Resp: 542435
Ion Ratio Lower Upper
50 100
52 31.5 28.3 42.5

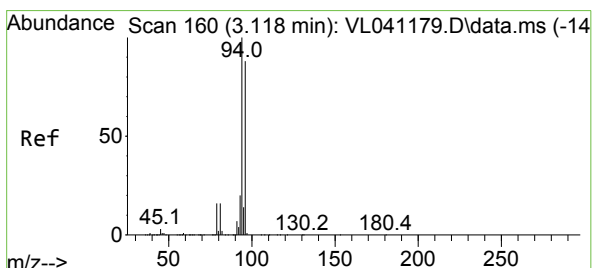
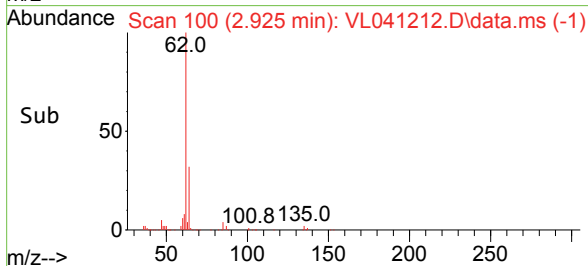
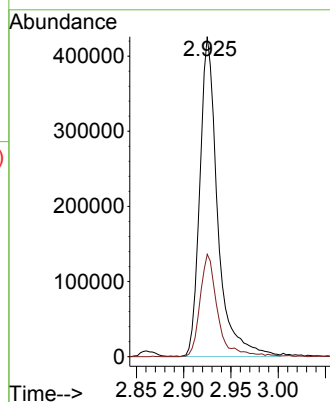
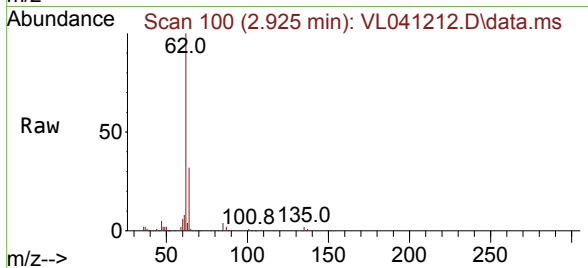




#5
 Vinyl Chloride
 Concen: 10.176 ppbv
 RT: 2.925 min Scan# 10
 Delta R.T. -0.003 min
 Lab File: VL041212.D
 Acq: 6 May 2024 11:02

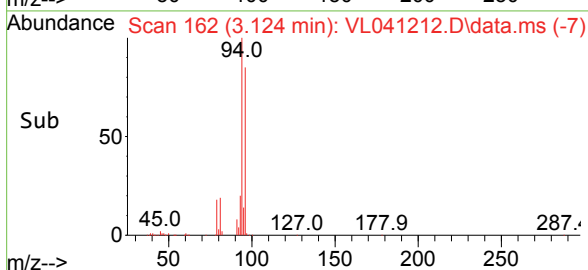
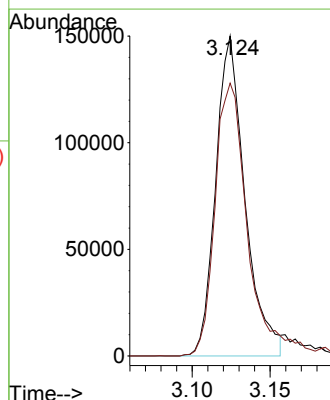
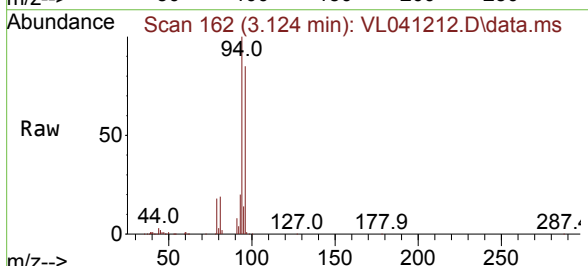
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0506ABS01

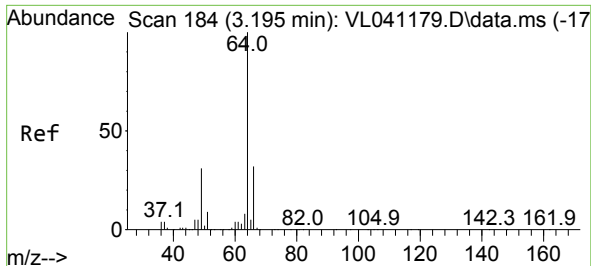
Tgt Ion: 62 Resp: 557651
 Ion Ratio Lower Upper
 62 100
 64 32.0 25.7 38.5



#6
 Bromomethane
 Concen: 9.824 ppbv
 RT: 3.124 min Scan# 162
 Delta R.T. -0.003 min
 Lab File: VL041212.D
 Acq: 6 May 2024 11:02

Tgt Ion: 94 Resp: 196411
 Ion Ratio Lower Upper
 94 100
 96 85.2 70.1 105.1

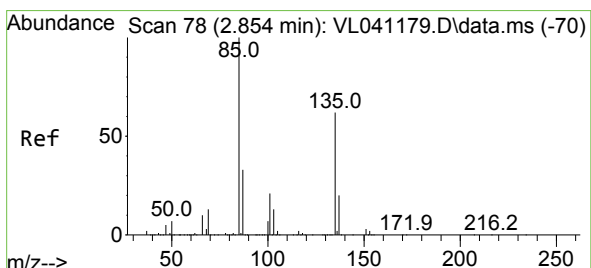
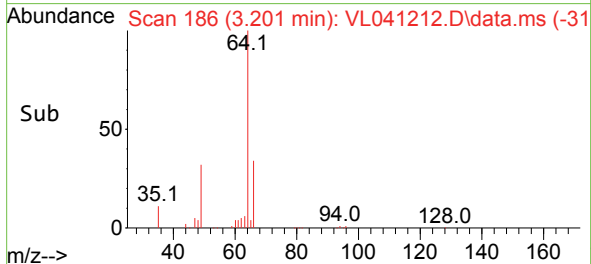
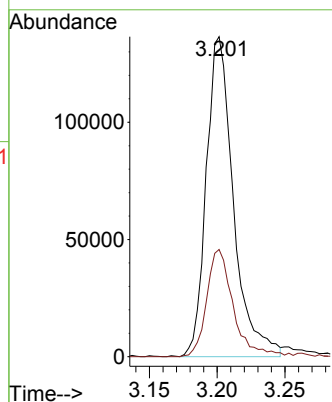
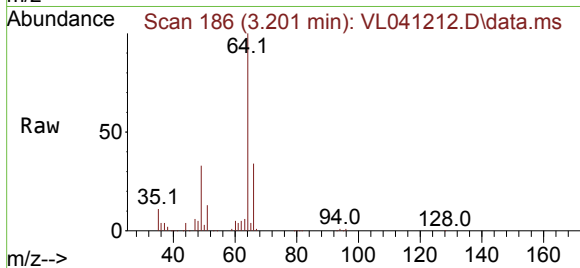




#7
Chloroethane
Concen: 9.847 ppbv
RT: 3.201 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL041212.D
Acq: 6 May 2024 11:02

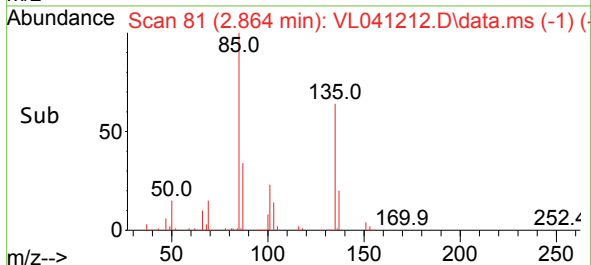
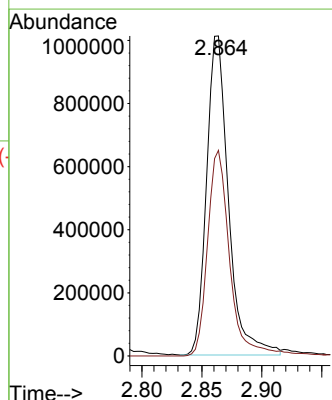
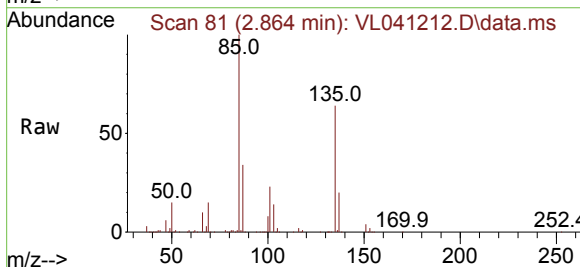
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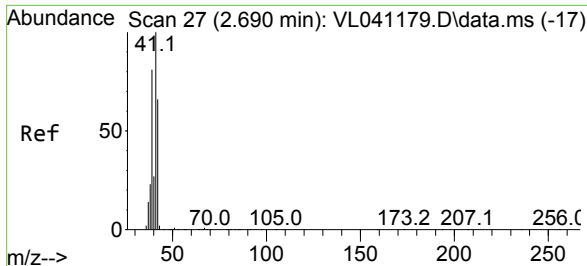
Tgt Ion: 64 Resp: 190519
Ion Ratio Lower Upper
64 100
66 33.5 25.4 38.2



#8
Dichlorotetrafluoroethane
Concen: 10.051 ppbv
RT: 2.864 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL041212.D
Acq: 6 May 2024 11:02

Tgt Ion: 85 Resp: 1288077
Ion Ratio Lower Upper
85 100
135 66.0 51.5 77.3

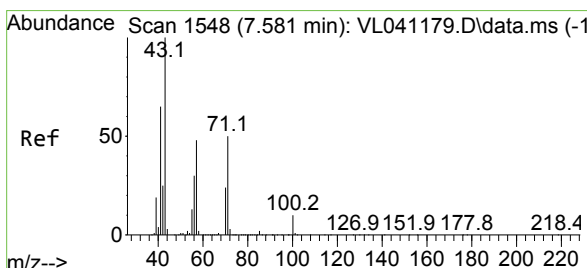
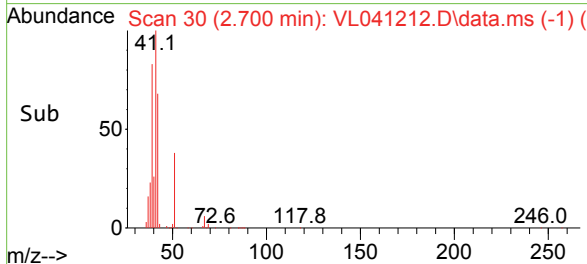
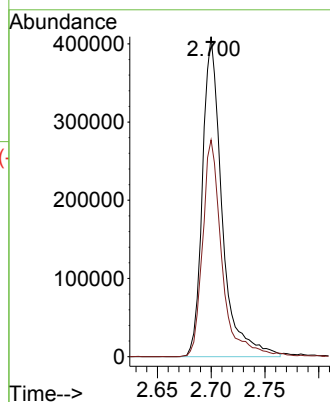
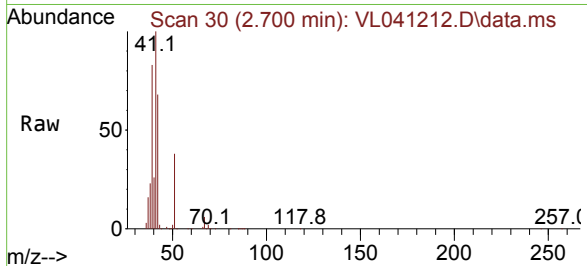




#9
Propene
Concen: 9.527 ppbv
RT: 2.700 min Scan# 30
Delta R.T. -0.003 min
Lab File: VL041212.D
Acq: 6 May 2024 11:02

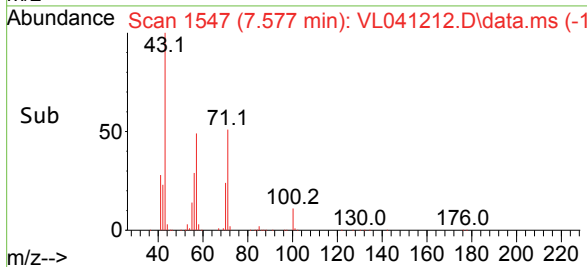
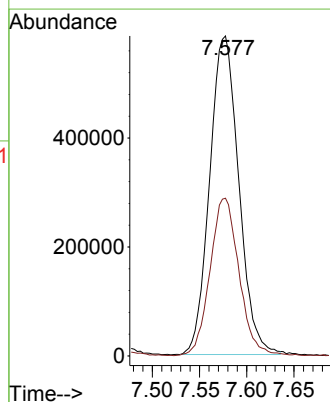
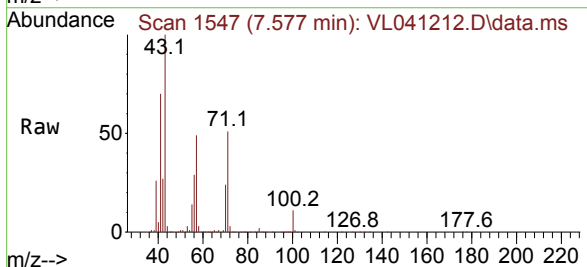
Instrument :
MSVOA_L
ClientSampleId :
VL0506ABS01

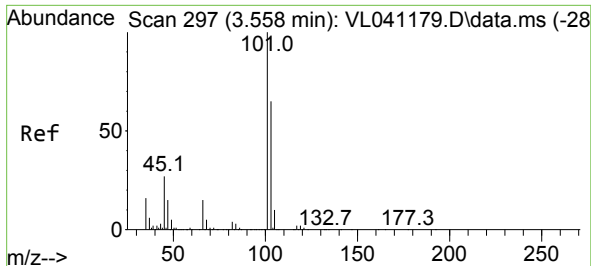
Tgt Ion: 41 Resp: 518293
Ion Ratio Lower Upper
41 100
42 67.7 55.3 82.9



#10
Heptane
Concen: 9.504 ppbv
RT: 7.577 min Scan# 1547
Delta R.T. 0.000 min
Lab File: VL041212.D
Acq: 6 May 2024 11:02

Tgt Ion: 43 Resp: 1252645
Ion Ratio Lower Upper
43 100
57 50.0 38.7 58.1

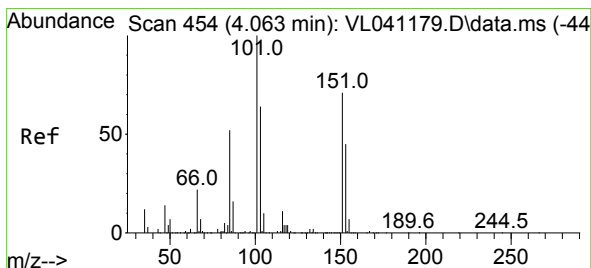
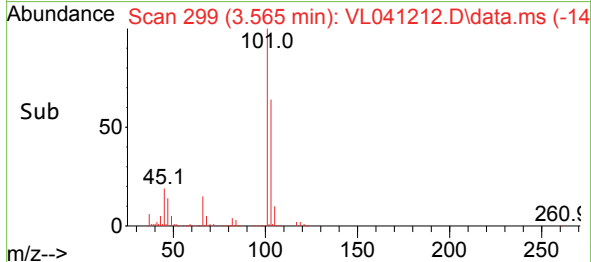
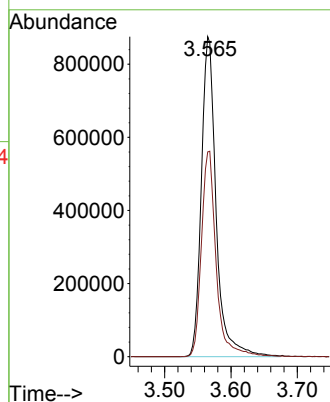
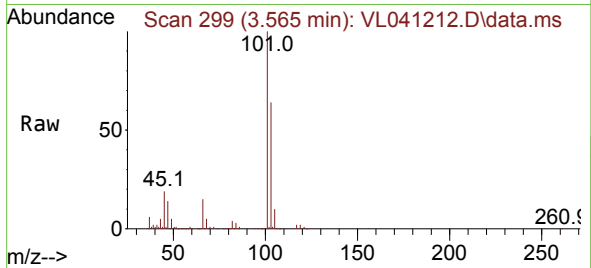




#11
 Trichlorofluoromethane
 Concen: 10.761 ppbv
 RT: 3.565 min Scan# 297
 Delta R.T. -0.003 min
 Lab File: VL041212.D
 Acq: 6 May 2024 11:02

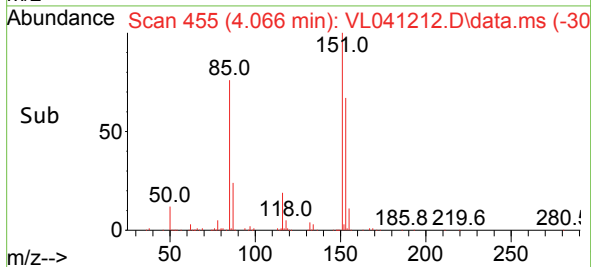
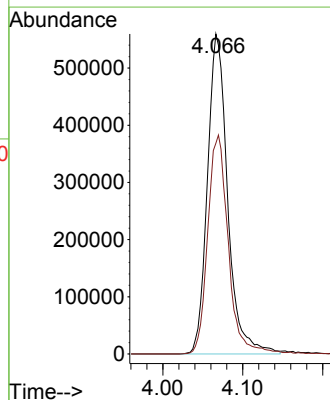
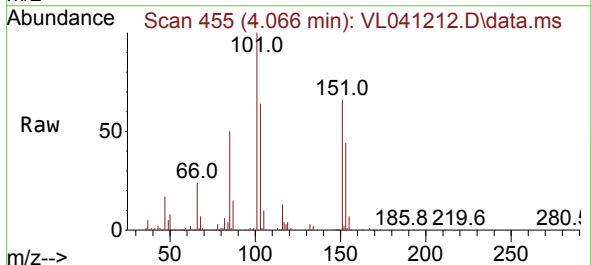
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0506ABS01

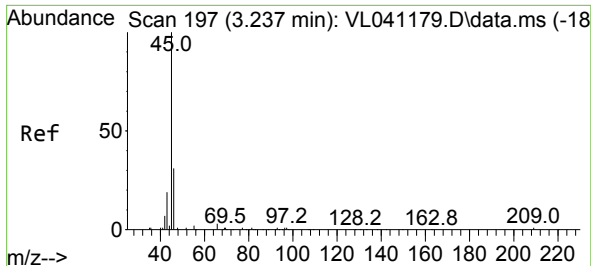
Tgt Ion:101 Resp: 1354000
 Ion Ratio Lower Upper
 101 100
 103 64.0 51.6 77.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.590 ppbv
 RT: 4.066 min Scan# 455
 Delta R.T. -0.003 min
 Lab File: VL041212.D
 Acq: 6 May 2024 11:02

Tgt Ion:101 Resp: 985430
 Ion Ratio Lower Upper
 101 100
 151 70.0 56.8 85.2

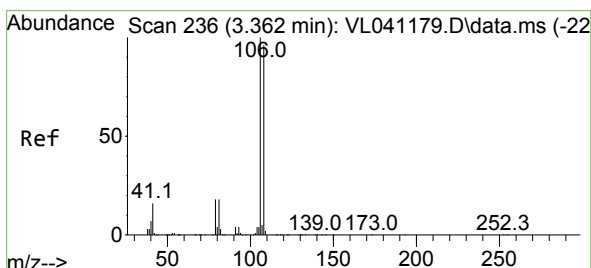
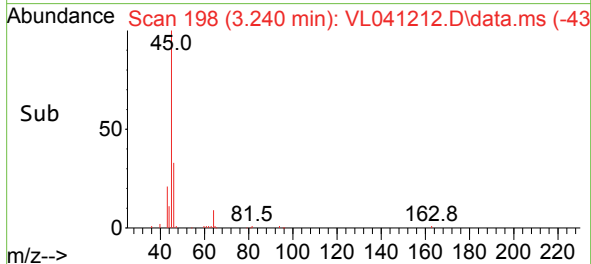
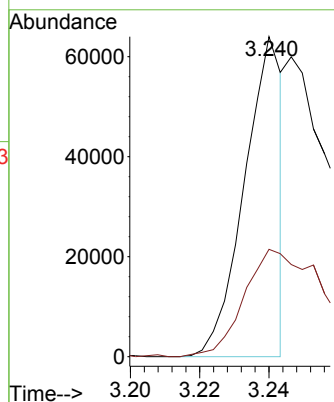
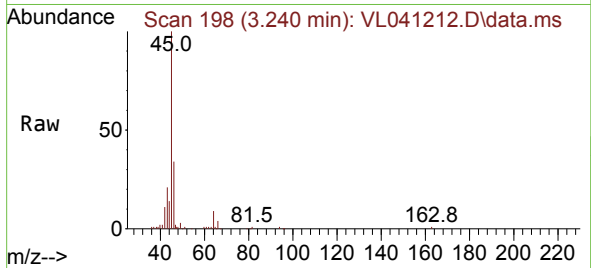




#13
Ethanol
Concen: 3.981 ppbv
RT: 3.240 min Scan# 197
Delta R.T. -0.003 min
Lab File: VL041212.D
Acq: 6 May 2024 11:02

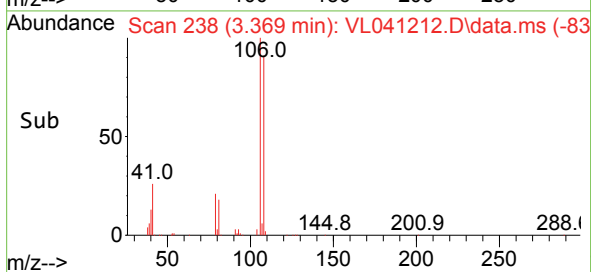
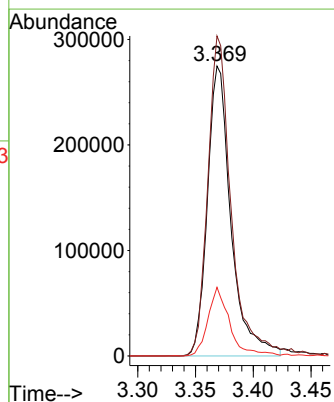
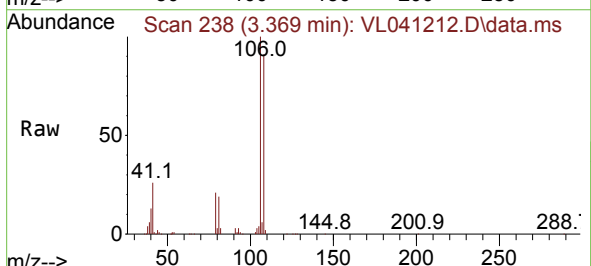
Instrument :
MSVOA_L
ClientSampleId :
VL0506ABS01

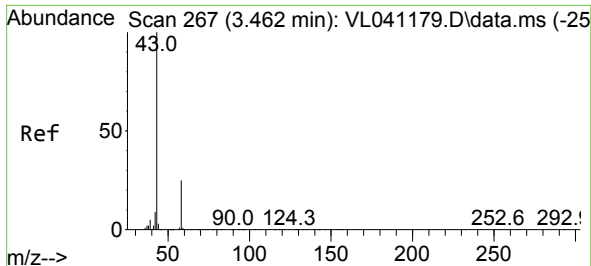
Tgt Ion: 45 Resp: 48551
Ion Ratio Lower Upper
45 100
46 90.9 14.8 59.0#



#14
Bromoethene
Concen: 10.160 ppbv
RT: 3.369 min Scan# 238
Delta R.T. -0.003 min
Lab File: VL041212.D
Acq: 6 May 2024 11:02

Tgt Ion:108 Resp: 390153
Ion Ratio Lower Upper
108 100
106 111.6 88.2 132.4
79 22.3 17.4 26.0

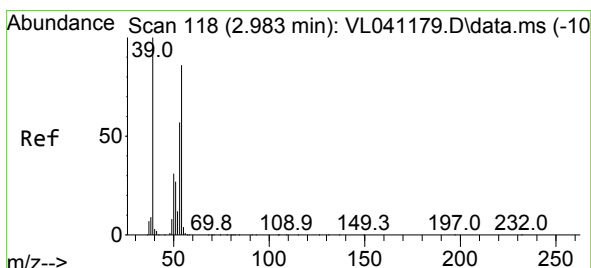
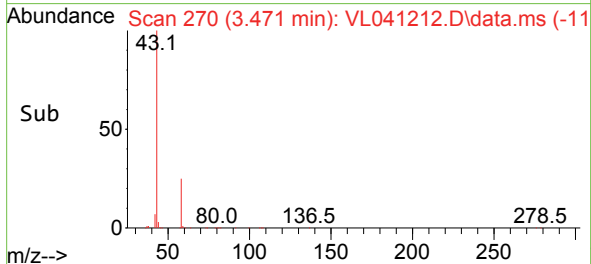
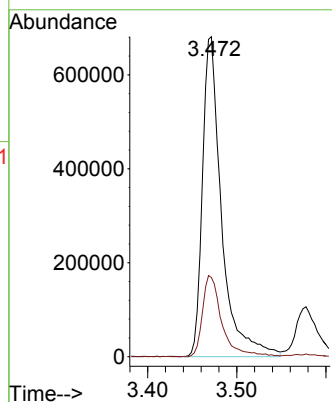
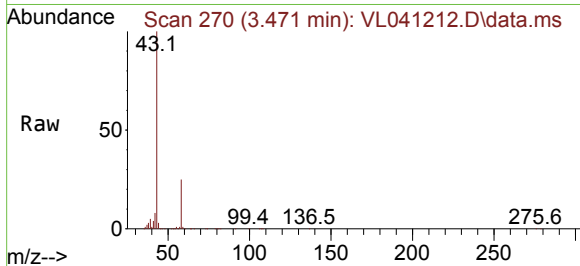




#15
Acetone
Concen: 9.378 ppbv
RT: 3.471 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL041212.D
Acq: 6 May 2024 11:02

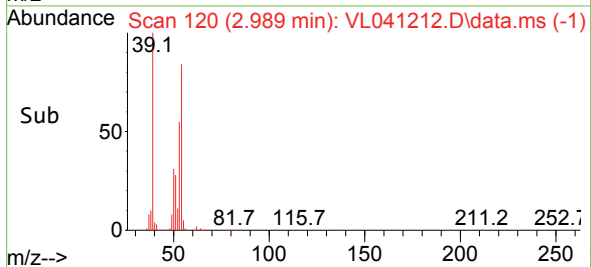
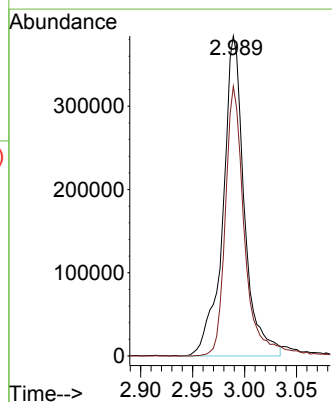
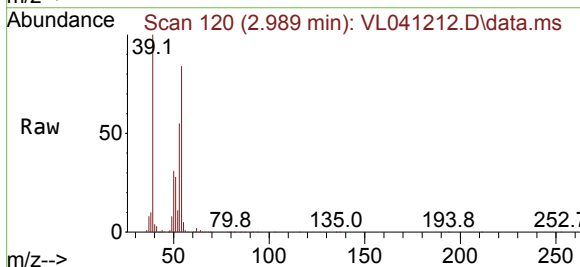
Instrument :
MSVOA_L
ClientSampleId :
VL0506ABS01

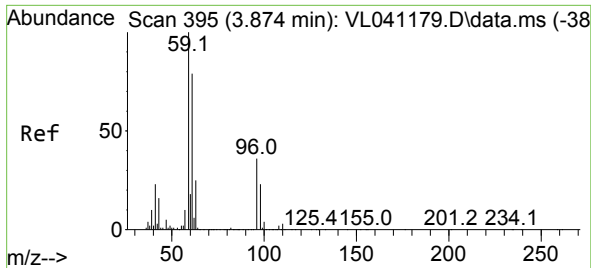
Tgt Ion: 43 Resp: 1013072
Ion Ratio Lower Upper
43 100
58 25.7 21.4 32.0



#16
1,3-Butadiene
Concen: 10.121 ppbv
RT: 2.989 min Scan# 120
Delta R.T. -0.003 min
Lab File: VL041212.D
Acq: 6 May 2024 11:02

Tgt Ion: 39 Resp: 551862
Ion Ratio Lower Upper
39 100
54 76.7 62.2 93.4





#17

tert-Butyl alcohol

Concen: 9.339 ppbv

RT: 3.880 min Scan# 397

Delta R.T. -0.003 min

Lab File: VL041212.D

Acq: 6 May 2024 11:02

Instrument :

MSVOA_L

ClientSampleId :

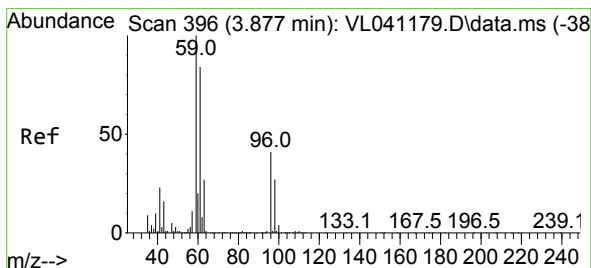
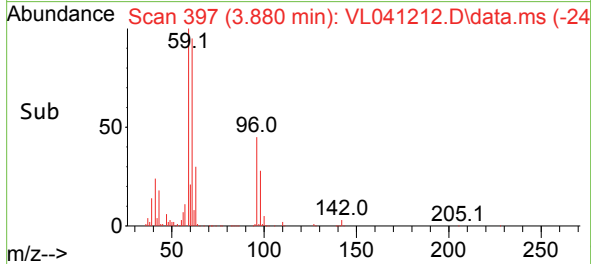
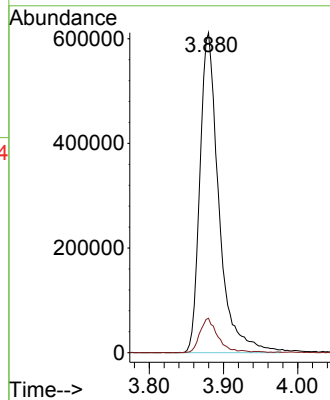
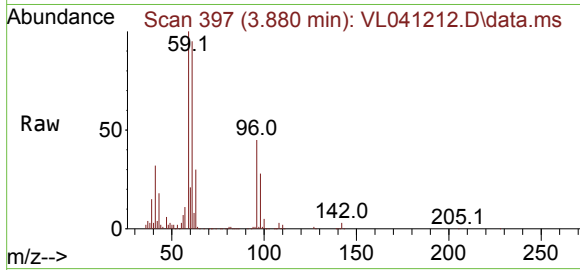
VL0506ABS01

Tgt Ion: 59 Resp: 1088278

Ion Ratio Lower Upper

59 100

57 10.6 8.4 12.6



#18

1,1-Dichloroethene

Concen: 10.434 ppbv

RT: 3.880 min Scan# 397

Delta R.T. -0.006 min

Lab File: VL041212.D

Acq: 6 May 2024 11:02

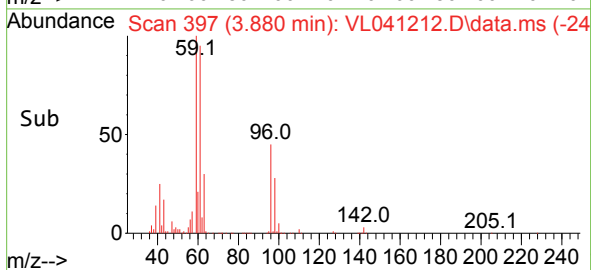
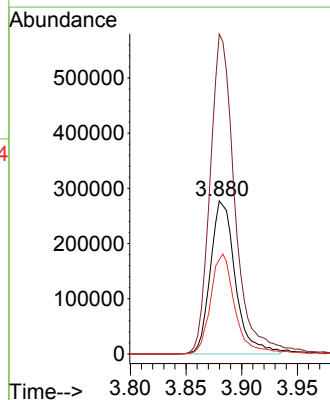
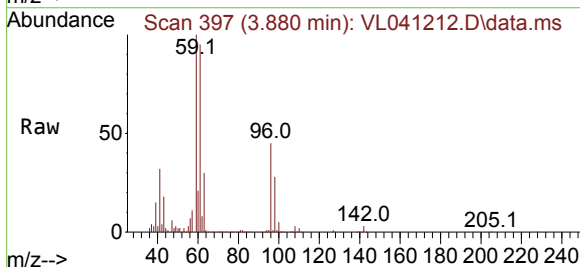
Tgt Ion: 96 Resp: 432883

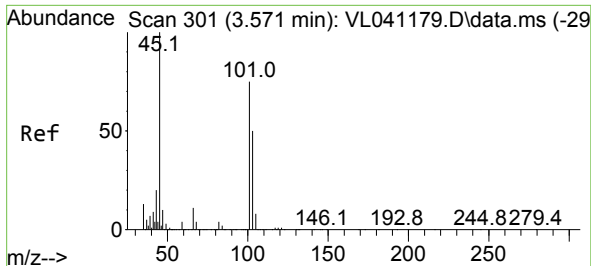
Ion Ratio Lower Upper

96 100

61 208.7 164.4 246.6

98 61.5 51.8 77.8

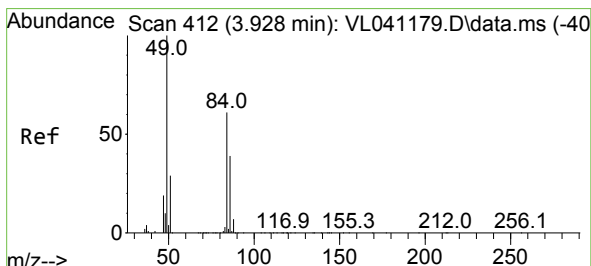
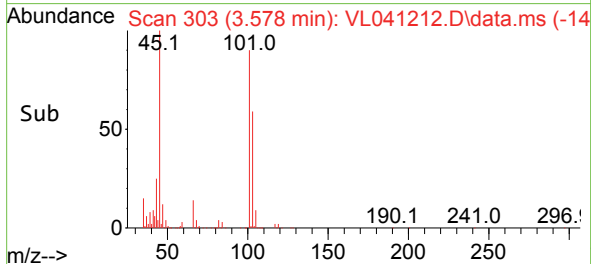
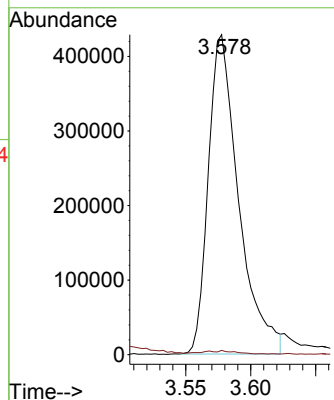
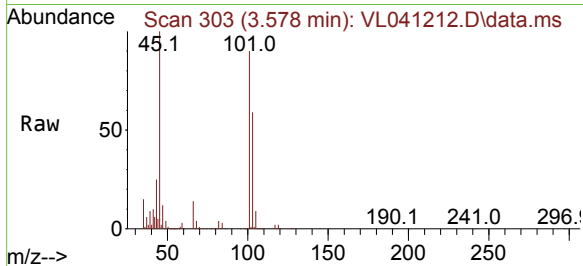




#19
Isopropyl Alcohol
Concen: 9.823 ppbv
RT: 3.578 min Scan# 301
Delta R.T. -0.003 min
Lab File: VL041212.D
Acq: 6 May 2024 11:02

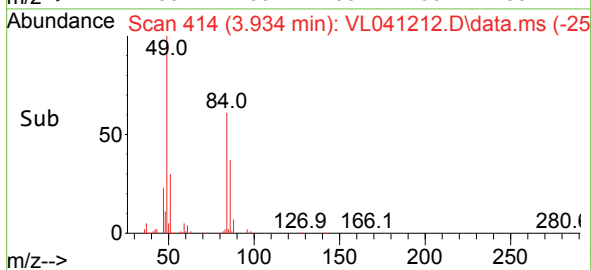
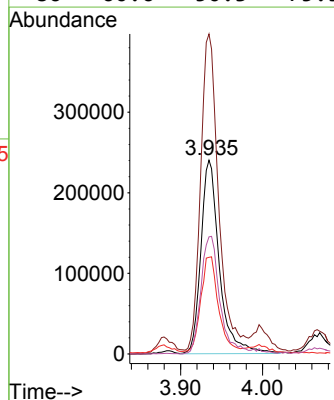
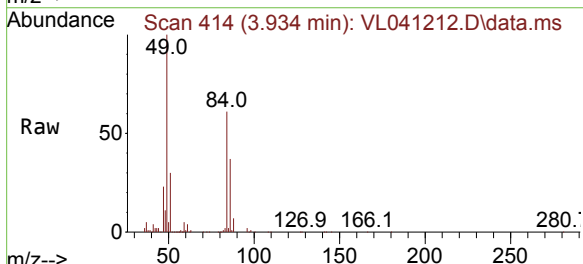
Instrument :
MSVOA_L
ClientSampleId :
VL0506ABS01

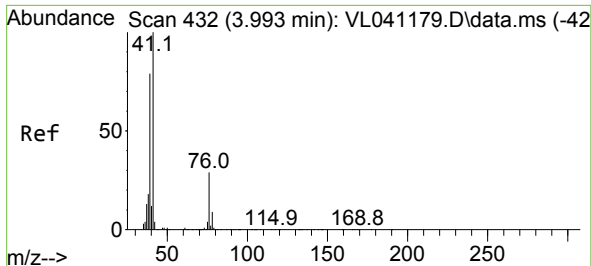
Tgt Ion: 45 Resp: 696253
Ion Ratio Lower Upper
45 100
58 1.1 26.8 40.2#



#20
Methylene Chloride
Concen: 10.006 ppbv
RT: 3.934 min Scan# 414
Delta R.T. -0.003 min
Lab File: VL041212.D
Acq: 6 May 2024 11:02

Tgt Ion: 84 Resp: 375880
Ion Ratio Lower Upper
84 100
49 163.2 130.4 195.6
51 48.8 38.0 57.0
86 60.6 50.3 75.5





#21

Allyl Chloride

Concen: 10.125 ppbv

RT: 3.996 min Scan# 41

Delta R.T. -0.006 min

Lab File: VL041212.D

Acq: 6 May 2024 11:02

Instrument :

MSVOA_L

ClientSampleId :

VL0506ABS01

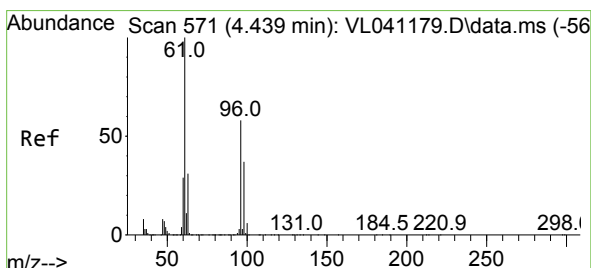
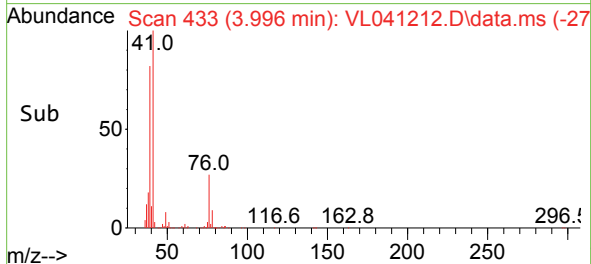
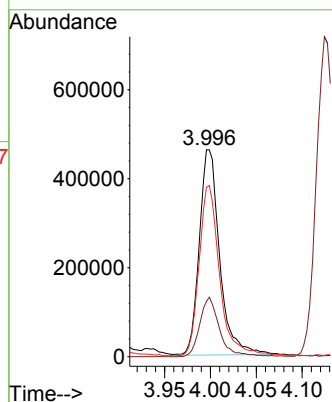
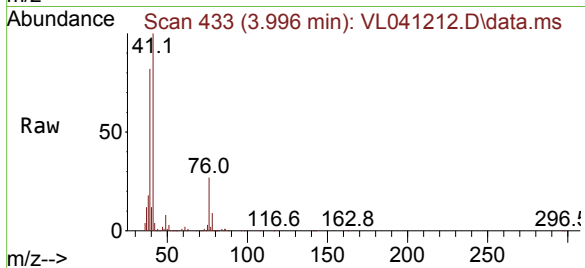
Tgt Ion: 41 Resp: 713160

Ion Ratio Lower Upper

41 100

76 28.2 23.7 35.5

39 84.1 64.7 97.1



#22

trans-1,2-Dichloroethene

Concen: 10.312 ppbv

RT: 4.446 min Scan# 573

Delta R.T. -0.003 min

Lab File: VL041212.D

Acq: 6 May 2024 11:02

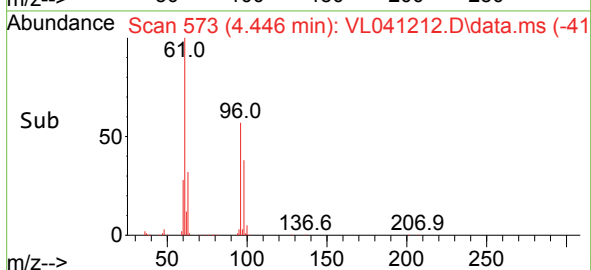
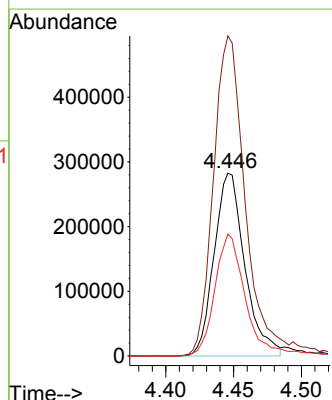
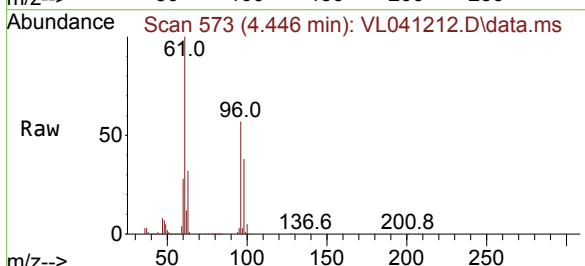
Tgt Ion: 96 Resp: 444943

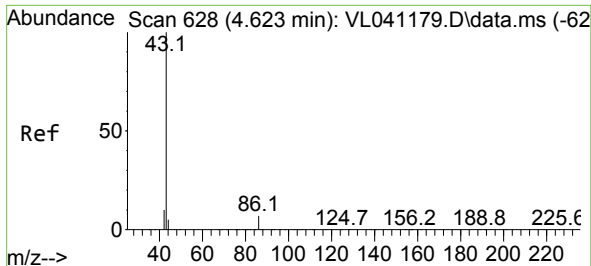
Ion Ratio Lower Upper

96 100

61 174.9 137.6 206.4

98 66.7 50.6 76.0



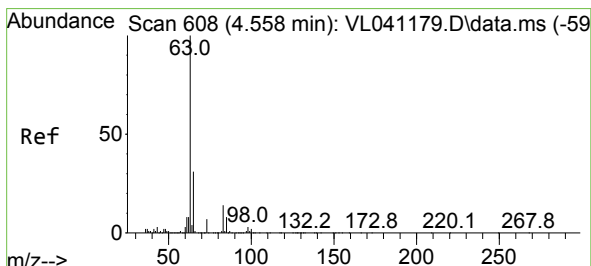
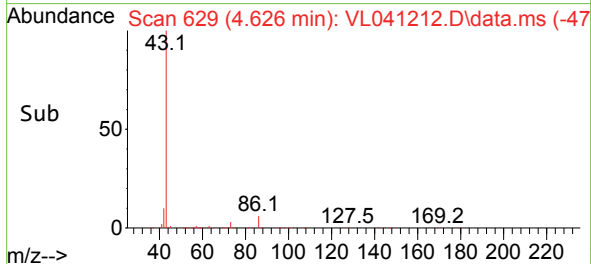
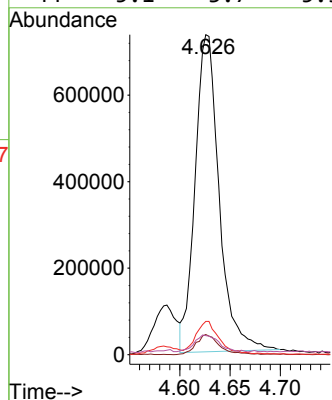
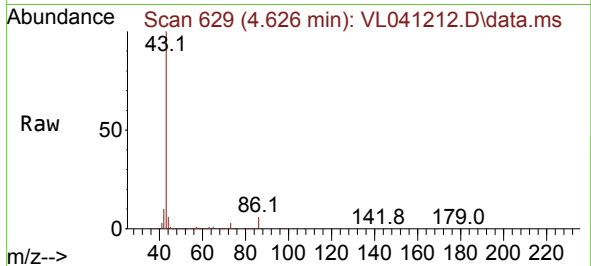


#23
 Vinyl Acetate
 Concen: 10.258 ppbv
 RT: 4.626 min Scan# 61
 Delta R.T. -0.003 min
 Lab File: VL041212.D
 Acq: 6 May 2024 11:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0506ABS01

Tgt Ion: 43 Resp: 1220148

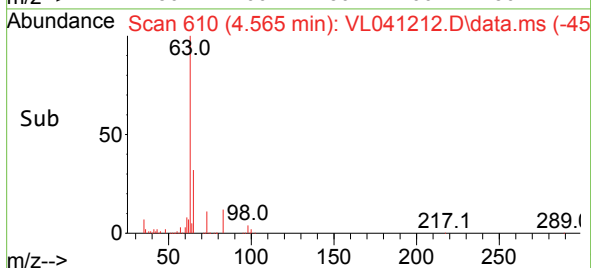
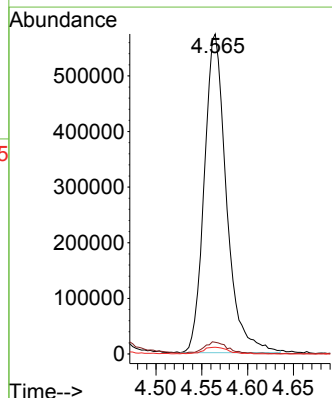
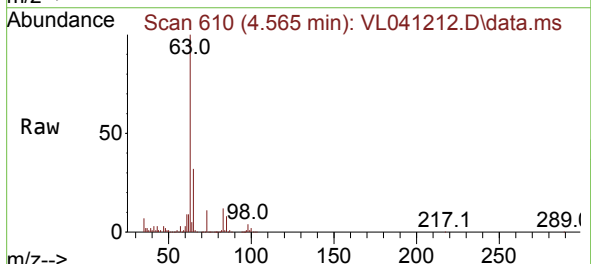
Ion	Ratio	Lower	Upper
43	100		
86	6.3	4.9	7.3
42	10.4	8.0	12.0
44	5.1	3.7	5.5

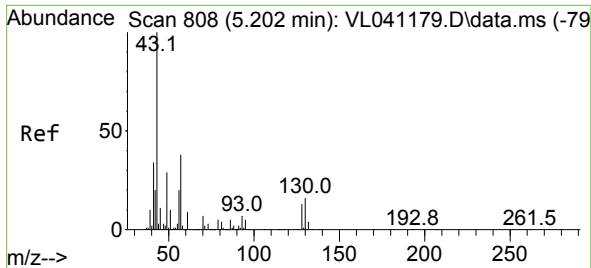


#24
 1,1-Dichloroethane
 Concen: 10.409 ppbv
 RT: 4.565 min Scan# 610
 Delta R.T. -0.003 min
 Lab File: VL041212.D
 Acq: 6 May 2024 11:02

Tgt Ion: 63 Resp: 962799

Ion	Ratio	Lower	Upper
63	100		
98	3.6	1.6	4.8
100	2.1	1.1	3.5



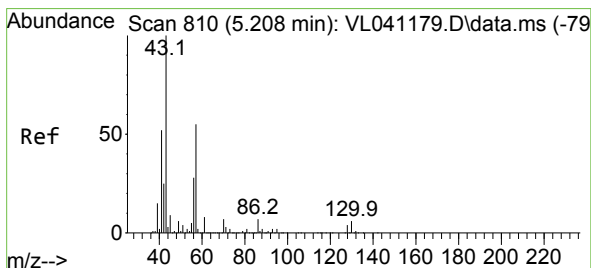
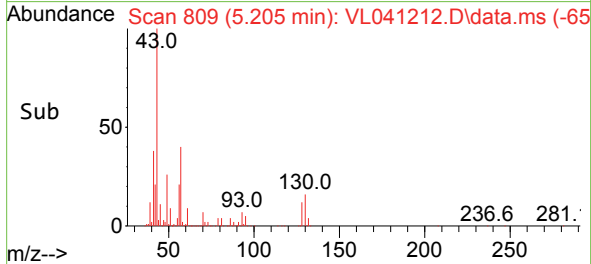
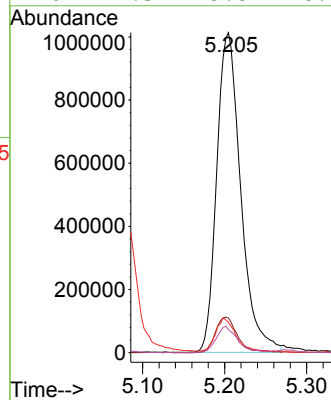
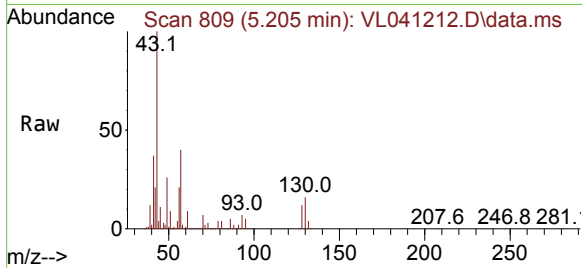


#25
Ethyl Acetate
Concen: 9.573 ppbv
RT: 5.205 min Scan# 809
Delta R.T. 0.000 min
Lab File: VL041212.D
Acq: 6 May 2024 11:02

Instrument :
MSVOA_L
ClientSampleId :
VL0506ABS01

Tgt Ion: 43 Resp: 2064157

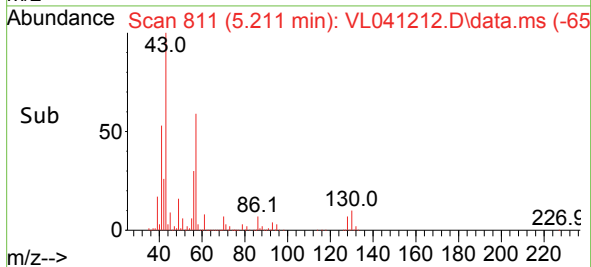
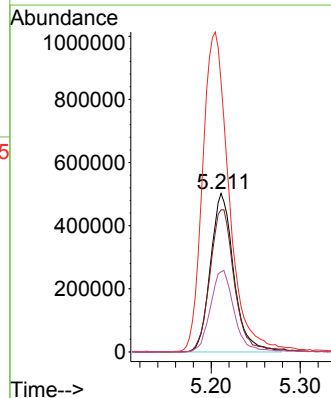
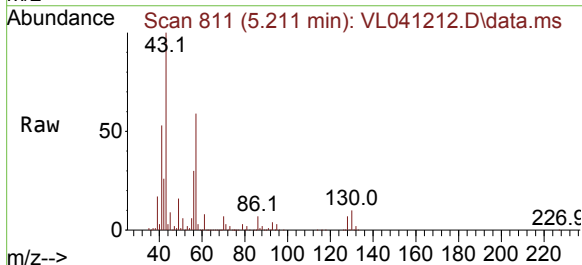
Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.2	12.2
61	10.1	7.7	11.5
70	7.3	5.8	8.6

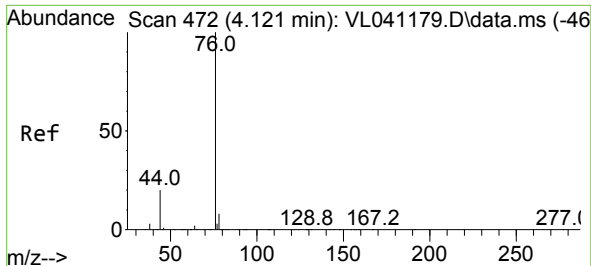


#26
Hexane
Concen: 9.464 ppbv
RT: 5.211 min Scan# 811
Delta R.T. -0.003 min
Lab File: VL041212.D
Acq: 6 May 2024 11:02

Tgt Ion: 57 Resp: 910590

Ion	Ratio	Lower	Upper
57	100		
41	94.4	75.8	113.8
43	231.2	187.0	280.4
56	52.9	42.7	64.1

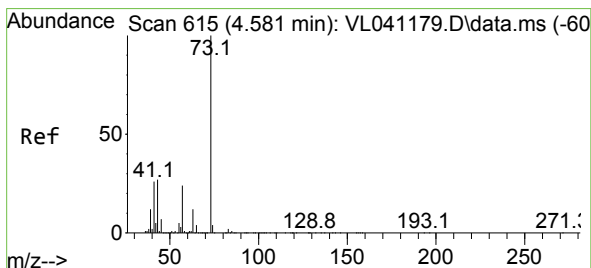
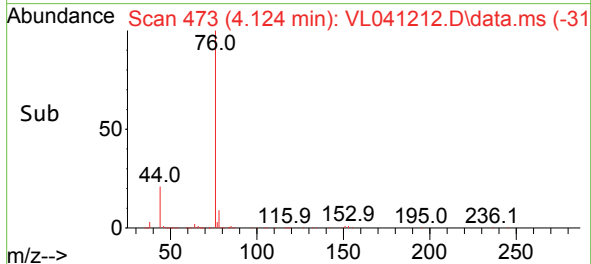
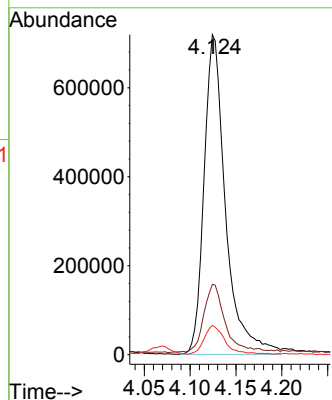
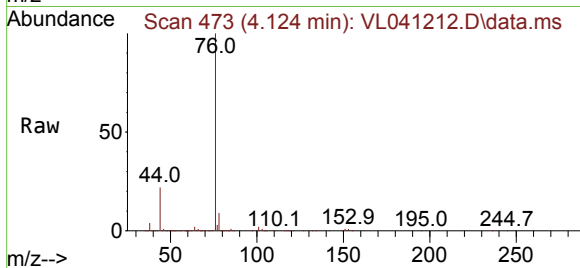




#27
Carbon Disulfide
Concen: 10.294 ppbv
RT: 4.124 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL041212.D
Acq: 6 May 2024 11:02

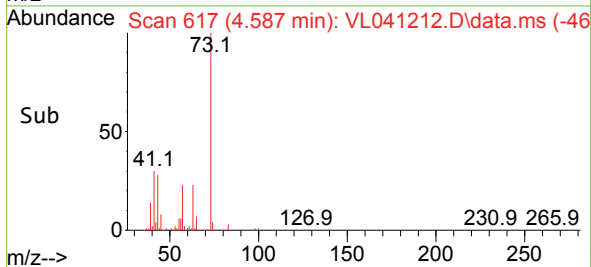
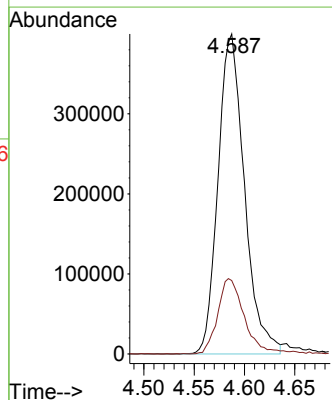
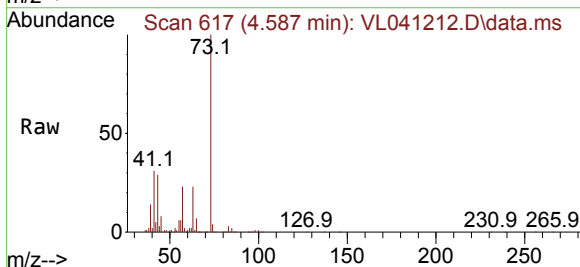
Instrument :
MSVOA_L
ClientSampleId :
VL0506ABS01

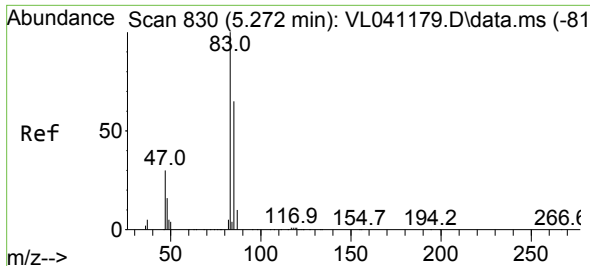
Tgt Ion: 76 Resp: 1172499
Ion Ratio Lower Upper
76 100
44 21.8 16.3 24.5
78 9.4 7.3 10.9



#28
Methyl tert-Butyl Ether
Concen: 9.528 ppbv
RT: 4.587 min Scan# 617
Delta R.T. 0.000 min
Lab File: VL041212.D
Acq: 6 May 2024 11:02

Tgt Ion: 73 Resp: 729961
Ion Ratio Lower Upper
73 100
57 24.3 18.8 28.2

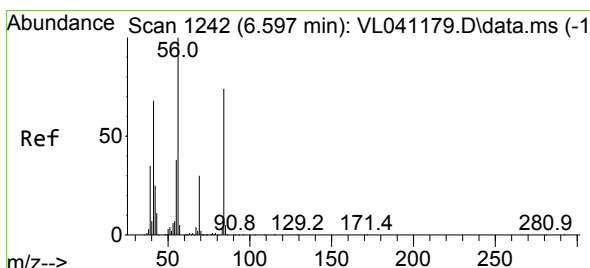
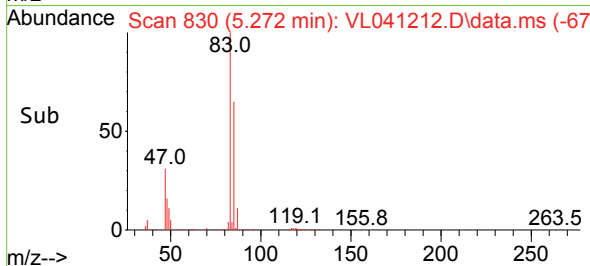
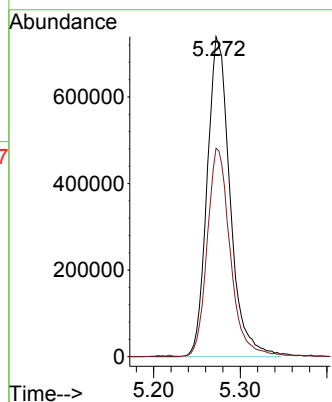
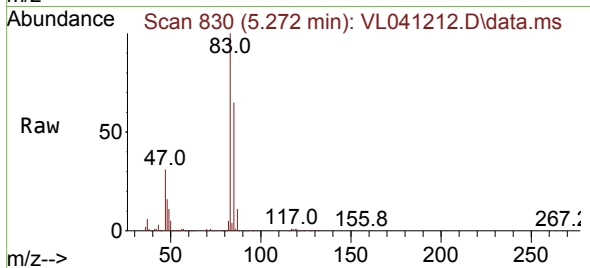




#29
Chloroform
Concen: 10.207 ppbv
RT: 5.272 min Scan# 830
Delta R.T. -0.006 min
Lab File: VL041212.D
Acq: 6 May 2024 11:02

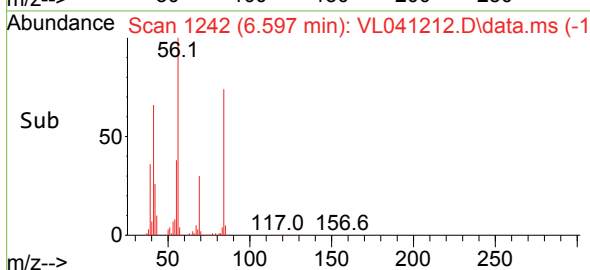
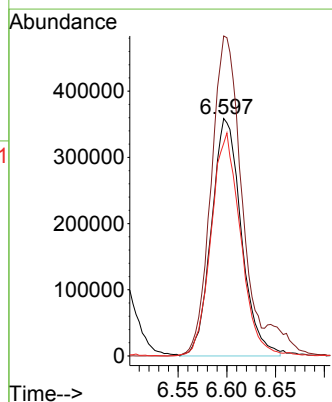
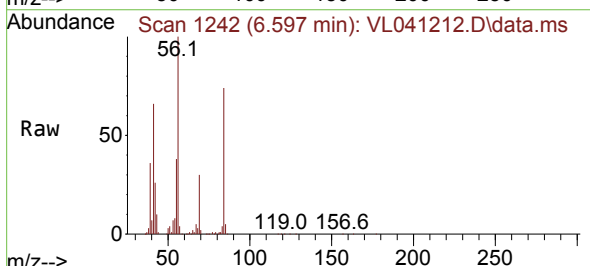
Instrument :
MSVOA_L
ClientSampleId :
VL0506ABS01

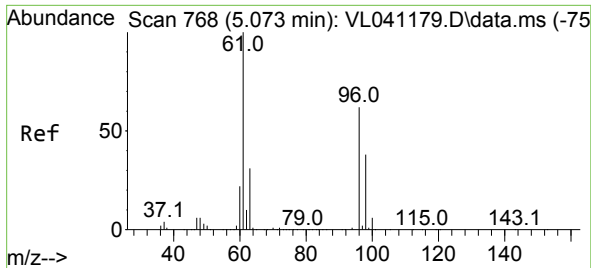
Tgt Ion: 83 Resp: 1354900
Ion Ratio Lower Upper
83 100
85 65.0 51.7 77.5



#30
Cyclohexane
Concen: 10.033 ppbv
RT: 6.597 min Scan# 1242
Delta R.T. -0.003 min
Lab File: VL041212.D
Acq: 6 May 2024 11:02

Tgt Ion: 84 Resp: 764178
Ion Ratio Lower Upper
84 100
56 144.8 116.8 175.2
41 93.2 73.8 110.8

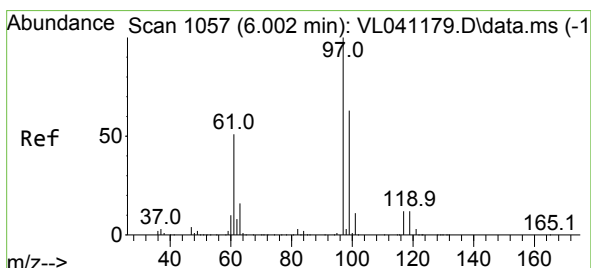
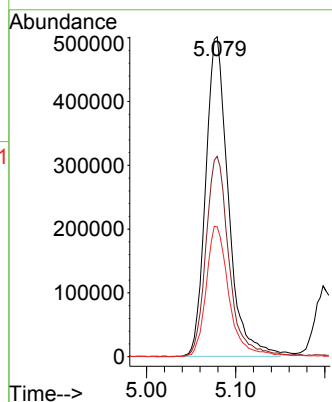
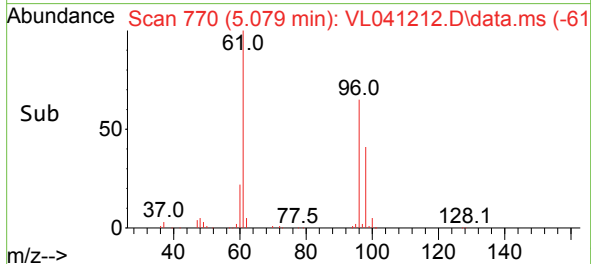
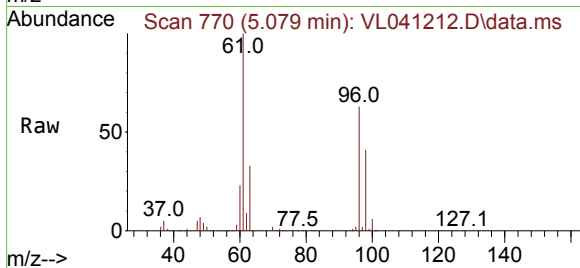




#31
 cis-1,2-Dichloroethene
 Concen: 9.818 ppbv
 RT: 5.079 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VL041212.D
 Acq: 6 May 2024 11:02

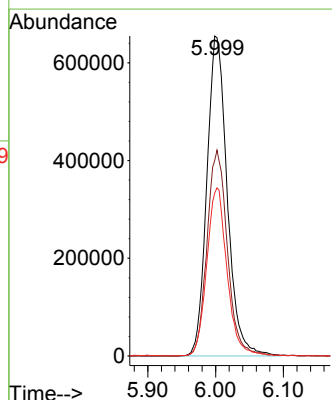
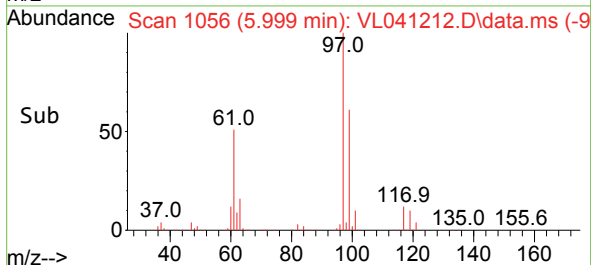
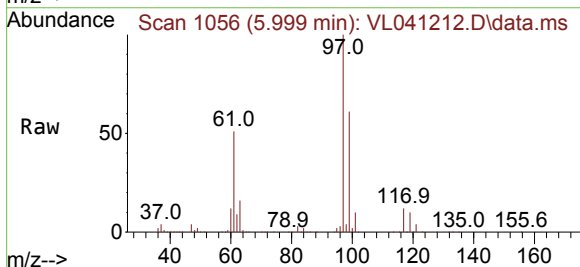
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0506ABS01

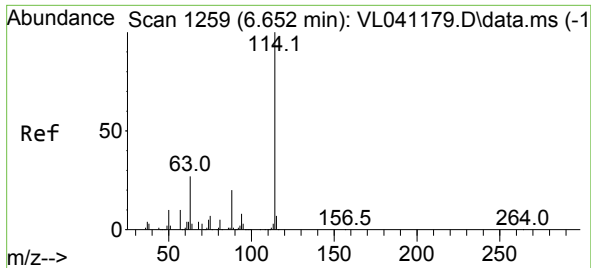
Tgt Ion: 61 Resp: 884410
 Ion Ratio Lower Upper
 61 100
 96 62.6 49.8 74.6
 98 40.6 30.0 45.0



#32
 1,1,1-Trichloroethane
 Concen: 10.325 ppbv
 RT: 5.999 min Scan# 1056
 Delta R.T. -0.006 min
 Lab File: VL041212.D
 Acq: 6 May 2024 11:02

Tgt Ion: 97 Resp: 1367421
 Ion Ratio Lower Upper
 97 100
 99 64.6 51.7 77.5
 61 52.7 41.1 61.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.651 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL041212.D

Acq: 6 May 2024 11:02

Instrument :

MSVOA_L

ClientSampleId :

VL0506ABS01

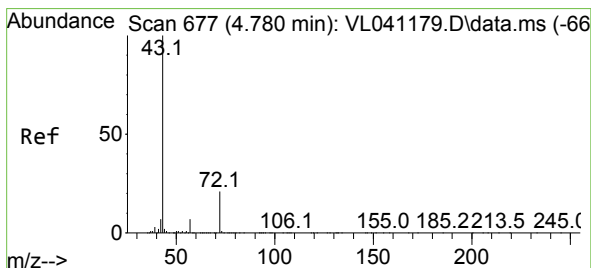
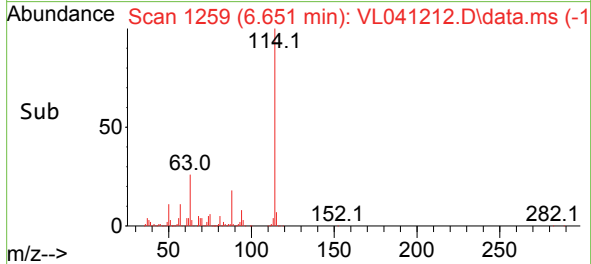
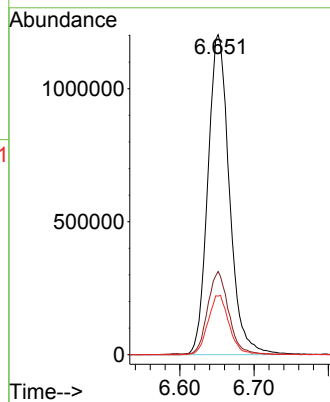
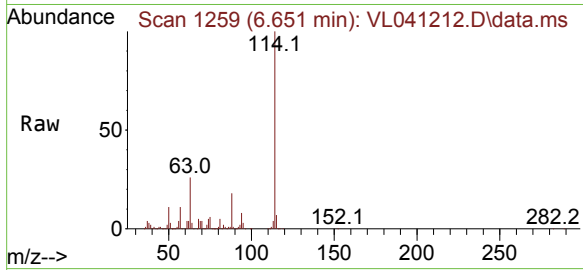
Tgt Ion:114 Resp: 2421700

Ion Ratio Lower Upper

114 100

63 25.9 21.8 32.6

88 18.3 15.2 22.8



#34

2-Butanone

Concen: 9.060 ppbv

RT: 4.783 min Scan# 678

Delta R.T. -0.003 min

Lab File: VL041212.D

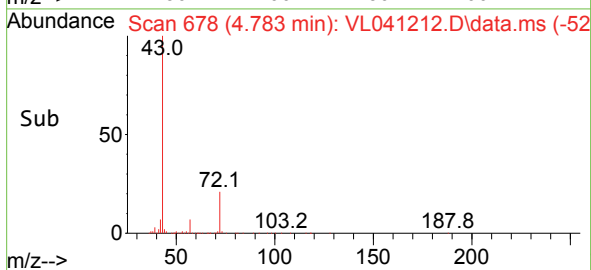
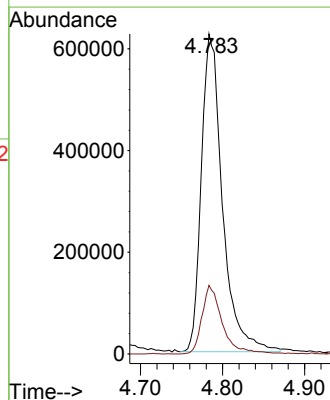
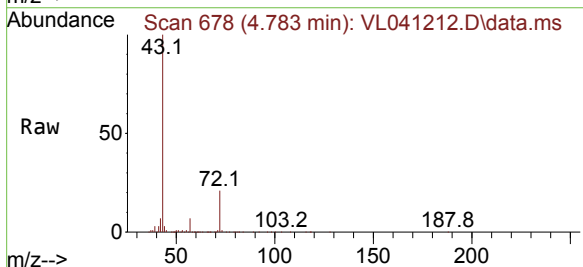
Acq: 6 May 2024 11:02

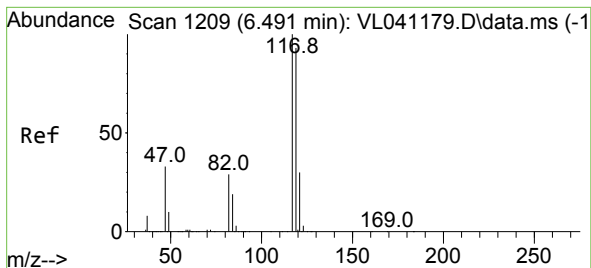
Tgt Ion: 43 Resp: 1116770

Ion Ratio Lower Upper

43 100

72 21.0 17.3 25.9





#35

Carbon Tetrachloride

Concen: 10.132 ppbv

RT: 6.491 min Scan# 117

Delta R.T. -0.003 min

Lab File: VL041212.D

Acq: 6 May 2024 11:02

Instrument :

MSVOA_L

ClientSampleId :

VL0506ABS01

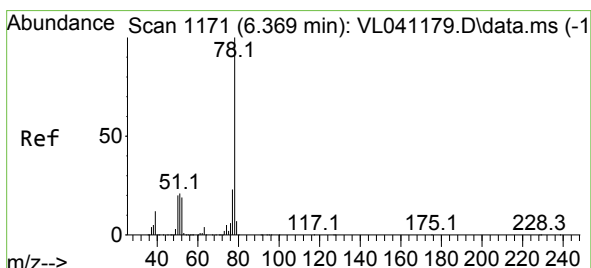
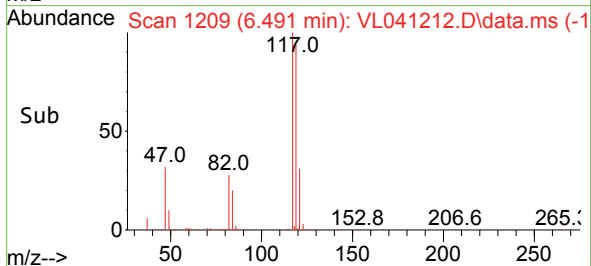
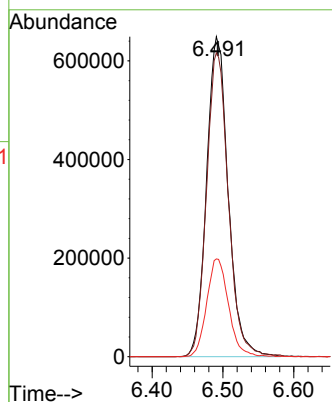
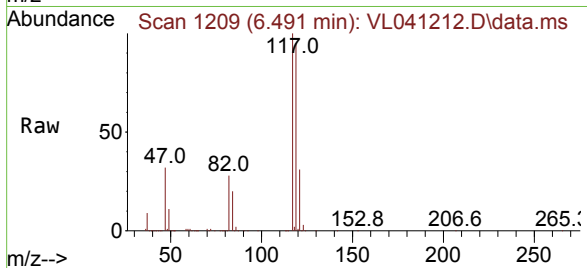
Tgt Ion:117 Resp: 1377025

Ion Ratio Lower Upper

117 100

119 94.9 74.3 111.5

121 30.6 23.8 35.8



#36

Benzene

Concen: 9.520 ppbv

RT: 6.368 min Scan# 1171

Delta R.T. -0.003 min

Lab File: VL041212.D

Acq: 6 May 2024 11:02

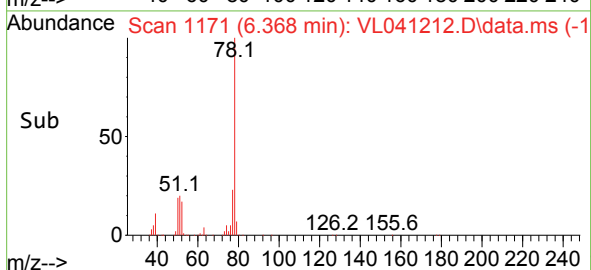
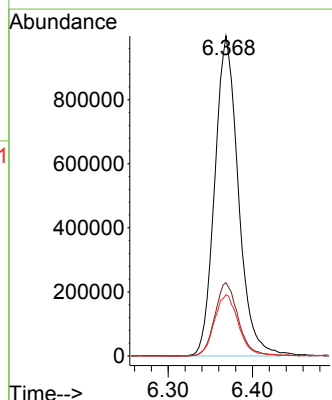
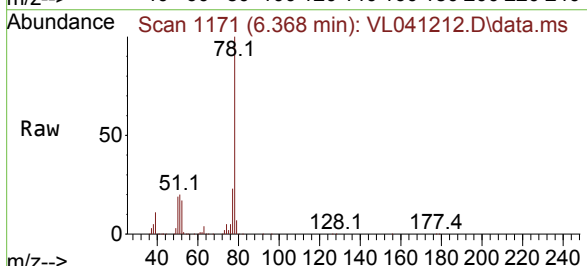
Tgt Ion: 78 Resp: 1934803

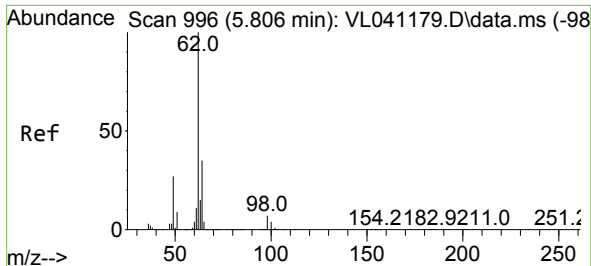
Ion Ratio Lower Upper

78 100

77 22.9 18.3 27.5

50 19.1 15.9 23.9

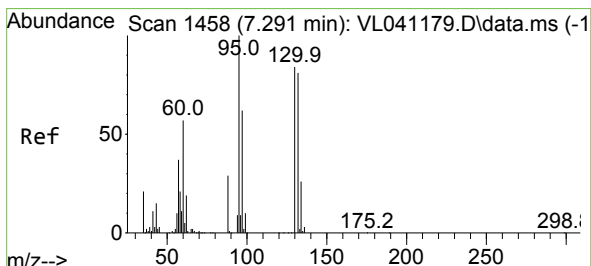
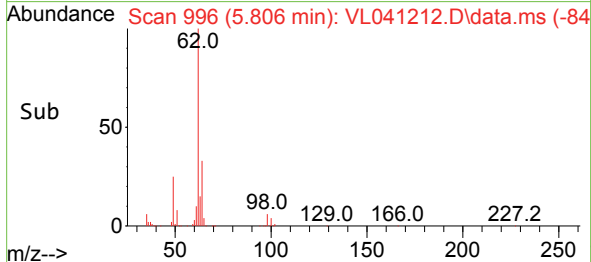
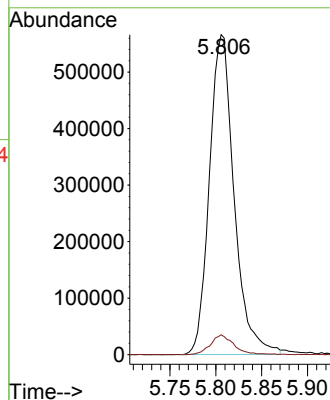
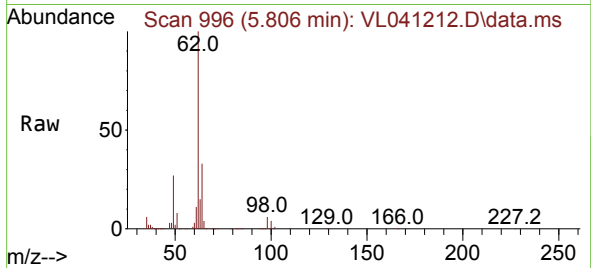




#37
1,2-Dichloroethane
Concen: 10.019 ppbv
RT: 5.806 min Scan# 996
Delta R.T. -0.003 min
Lab File: VL041212.D
Acq: 6 May 2024 11:02

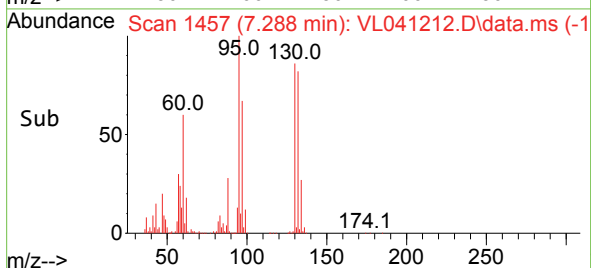
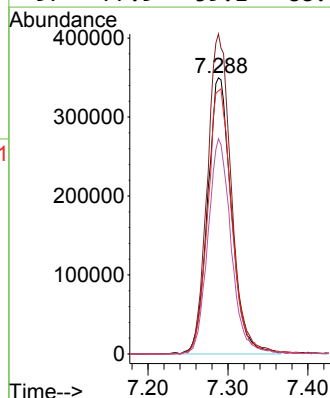
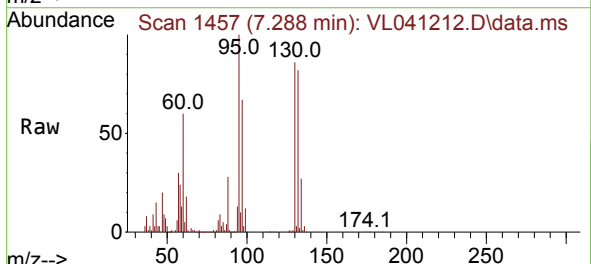
Instrument :
MSVOA_L
ClientSampleId :
VL0506ABS01

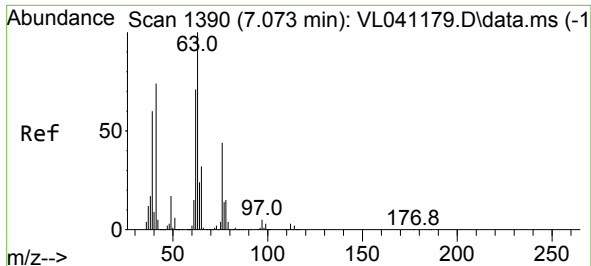
Tgt Ion: 62 Resp: 1062397
Ion Ratio Lower Upper
62 100
98 6.0 5.0 7.4



#38
Trichloroethene
Concen: 9.541 ppbv
RT: 7.288 min Scan# 1457
Delta R.T. -0.003 min
Lab File: VL041212.D
Acq: 6 May 2024 11:02

Tgt Ion:130 Resp: 722572
Ion Ratio Lower Upper
130 100
95 115.8 95.0 142.6
132 95.1 77.0 115.4
97 77.9 59.1 88.7





#39

1,2-Dichloropropane

Concen: 9.616 ppbv

RT: 7.069 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL041212.D

Acq: 6 May 2024 11:02

Instrument :

MSVOA_L

ClientSampleId :

VL0506ABS01

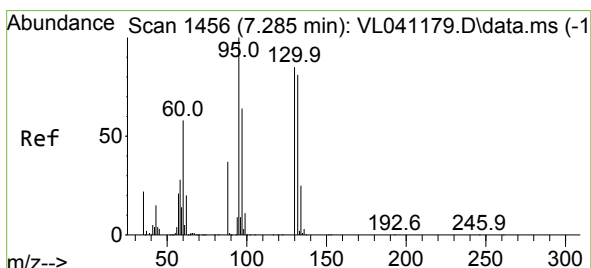
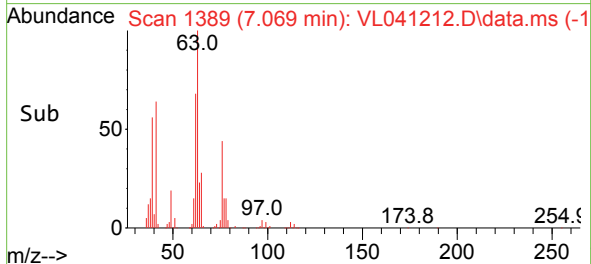
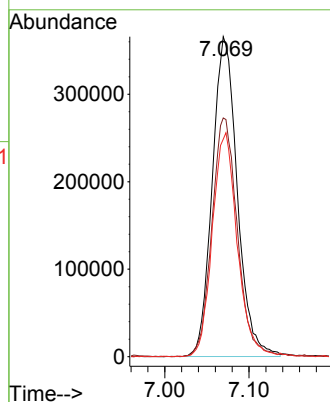
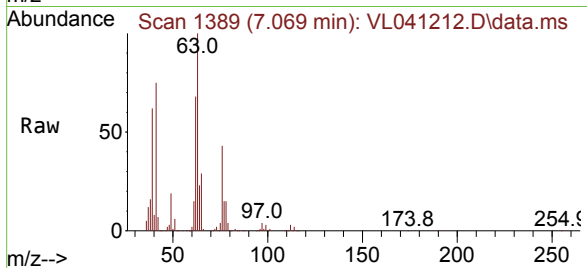
Tgt Ion: 63 Resp: 753157

Ion Ratio Lower Upper

63 100

41 74.6 59.4 89.0

62 67.8 56.8 85.2



#40

1,4-Dioxane

Concen: 10.180 ppbv

RT: 7.278 min Scan# 1454

Delta R.T. -0.006 min

Lab File: VL041212.D

Acq: 6 May 2024 11:02

Tgt Ion: 88 Resp: 284836

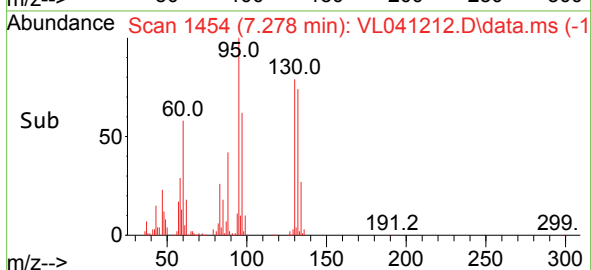
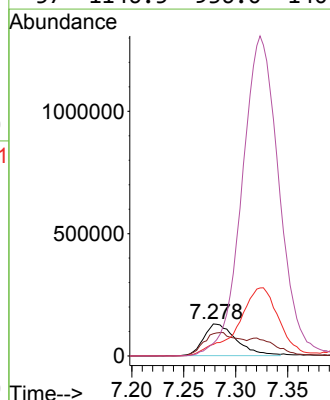
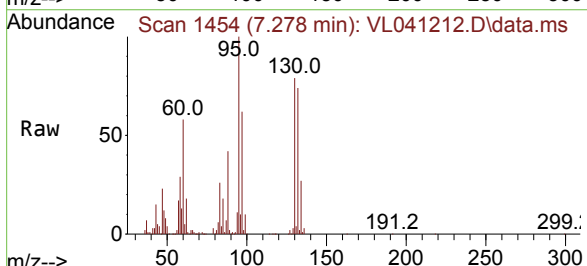
Ion Ratio Lower Upper

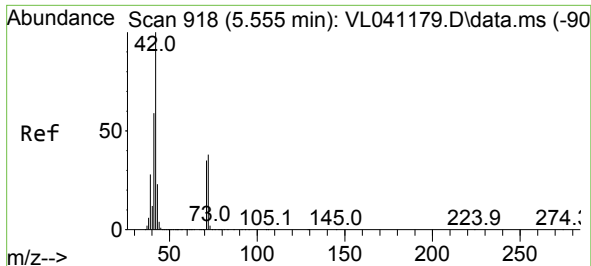
88 100

58 129.6 106.1 159.1

43 269.5 219.8 329.6

57 1146.5 936.0 1404.0

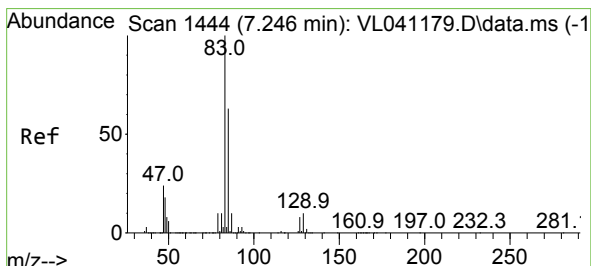
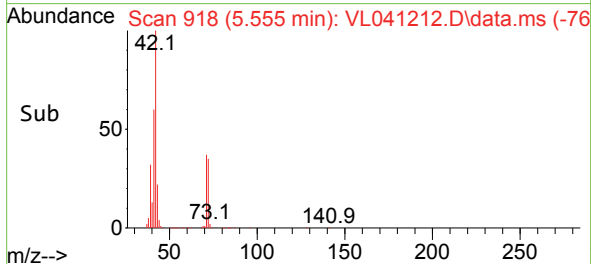
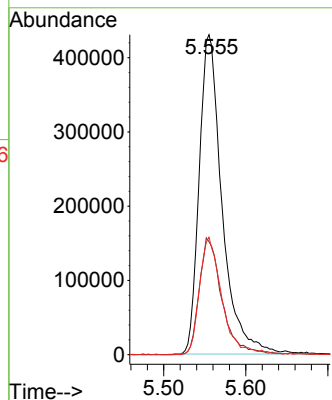
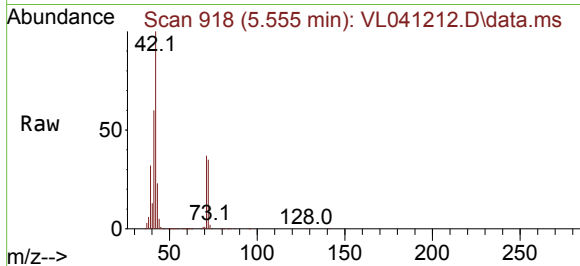




#41
Tetrahydrofuran
Concen: 9.319 ppbv
RT: 5.555 min Scan# 918
Delta R.T. -0.003 min
Lab File: VL041212.D
Acq: 6 May 2024 11:02

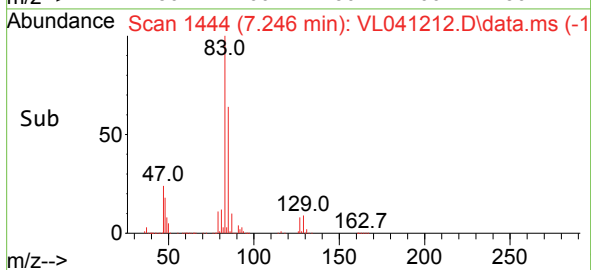
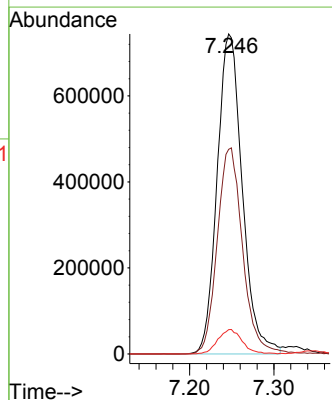
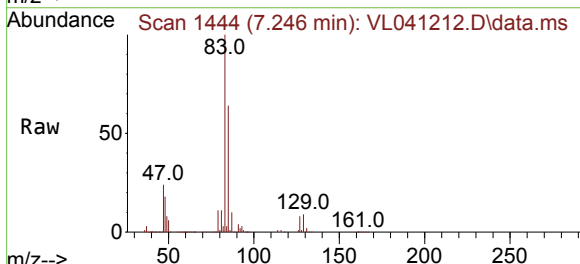
Instrument :
MSVOA_L
ClientSampleId :
VL0506ABS01

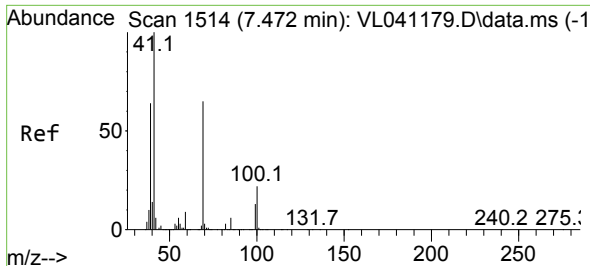
Tgt Ion: 42 Resp: 831570
Ion Ratio Lower Upper
42 100
72 36.4 29.4 44.0
71 36.3 29.1 43.7



#42
Bromodichloromethane
Concen: 10.131 ppbv
RT: 7.246 min Scan# 1444
Delta R.T. -0.003 min
Lab File: VL041212.D
Acq: 6 May 2024 11:02

Tgt Ion: 83 Resp: 1540696
Ion Ratio Lower Upper
83 100
85 63.9 50.6 75.8
127 7.6 6.2 9.4

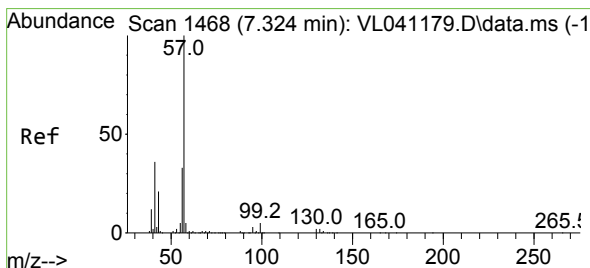
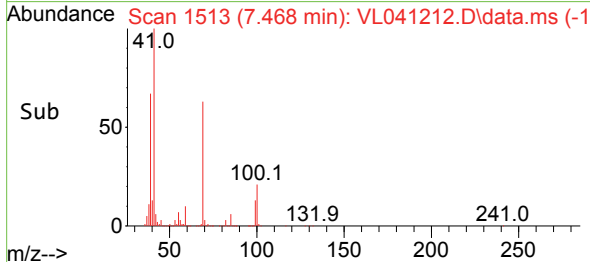
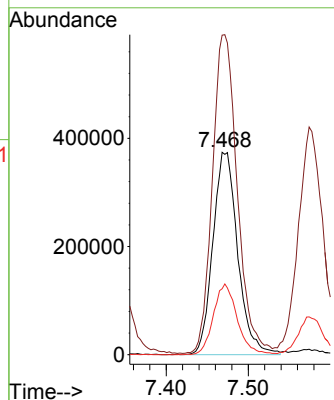
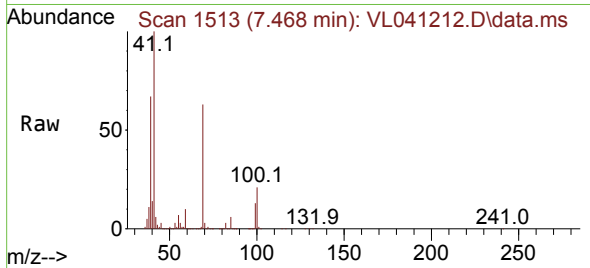




#43
Methyl Methacrylate
Concen: 9.585 ppbv
RT: 7.468 min Scan# 1513
Delta R.T. -0.003 min
Lab File: VL041212.D
Acq: 6 May 2024 11:02

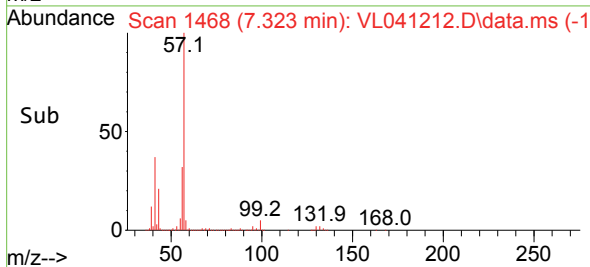
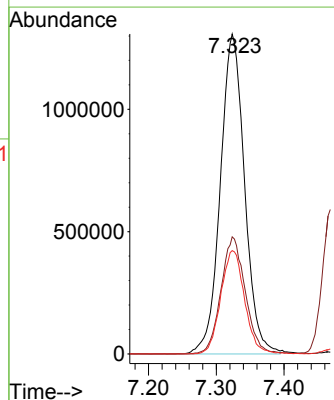
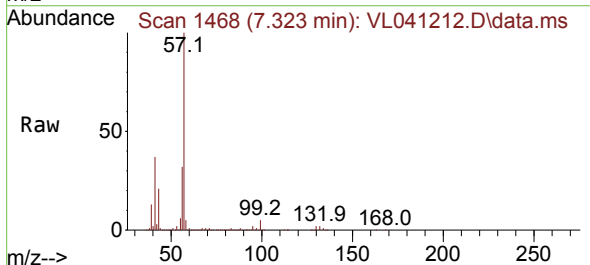
Instrument :
MSVOA_L
ClientSampleId :
VL0506ABS01

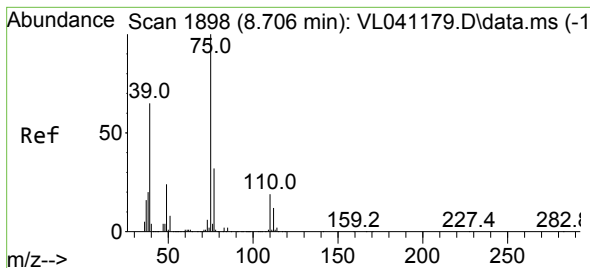
Tgt Ion: 69 Resp: 787871
Ion Ratio Lower Upper
69 100
41 158.9 125.2 187.8
100 33.5 26.7 40.1



#44
2,2,4-Trimethylpentane
Concen: 9.272 ppbv
RT: 7.323 min Scan# 1468
Delta R.T. -0.003 min
Lab File: VL041212.D
Acq: 6 May 2024 11:02

Tgt Ion: 57 Resp: 3248970
Ion Ratio Lower Upper
57 100
41 36.7 29.5 44.3
56 31.9 25.3 37.9





#45

t-1,3-Dichloropropene

Concen: 10.162 ppbv

RT: 8.706 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL041212.D

Acq: 6 May 2024 11:02

Instrument :

MSVOA_L

ClientSampleId :

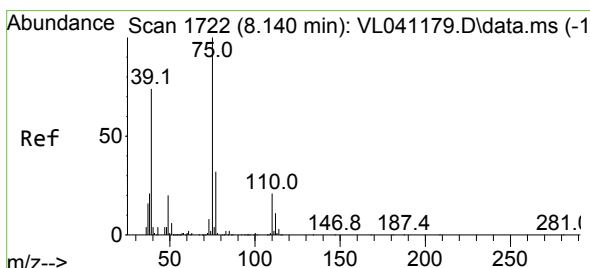
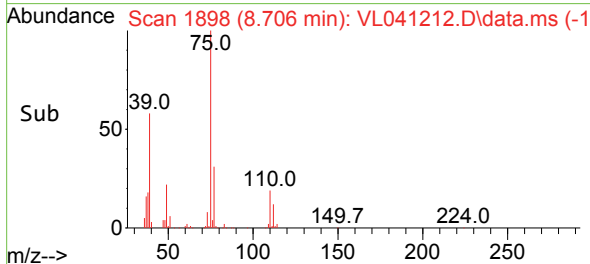
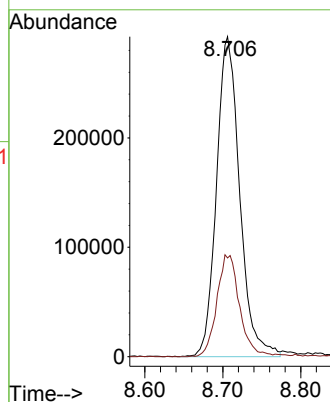
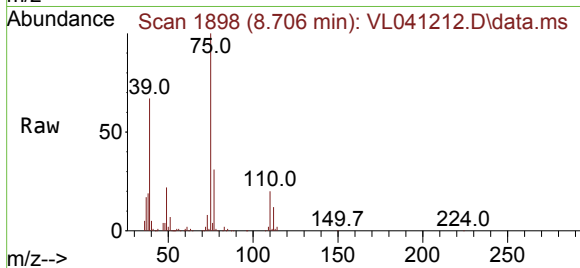
VL0506ABS01

Tgt Ion: 75 Resp: 605299

Ion Ratio Lower Upper

75 100

77 30.9 25.6 38.4



#46

cis-1,3-Dichloropropene

Concen: 9.888 ppbv

RT: 8.137 min Scan# 1721

Delta R.T. -0.006 min

Lab File: VL041212.D

Acq: 6 May 2024 11:02

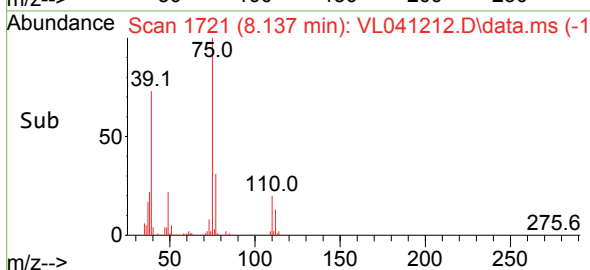
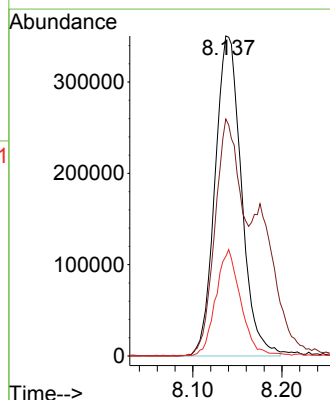
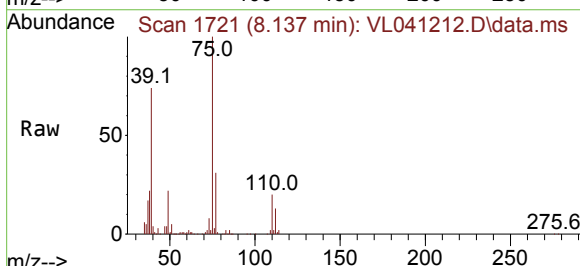
Tgt Ion: 75 Resp: 721071

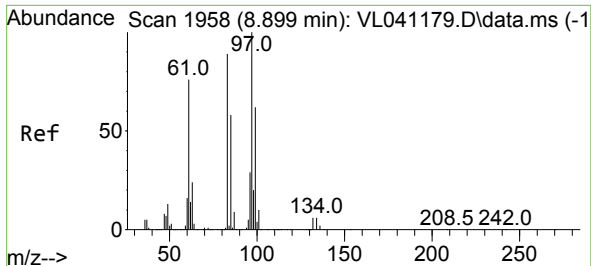
Ion Ratio Lower Upper

75 100

39 73.8 59.4 89.2

77 31.1 25.9 38.9





#47

1,1,2-Trichloroethane

Concen: 9.992 ppbv

RT: 8.896 min Scan# 1958

Delta R.T. -0.003 min

Lab File: VL041212.D

Acq: 6 May 2024 11:02

Instrument :

MSVOA_L

ClientSampleId :

VL0506ABS01

Tgt Ion: 97 Resp: 783313

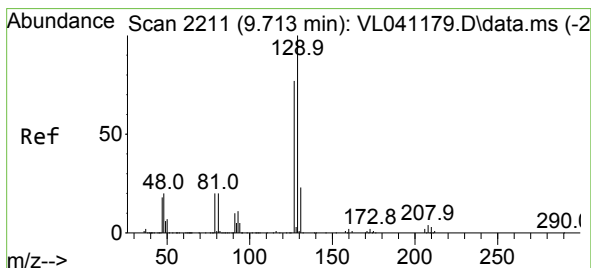
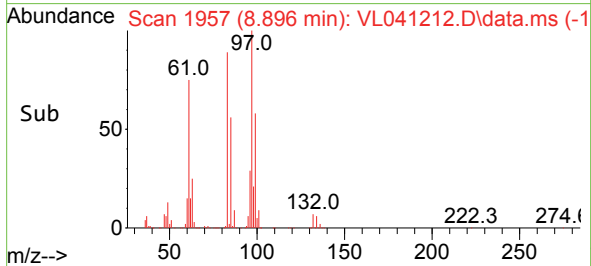
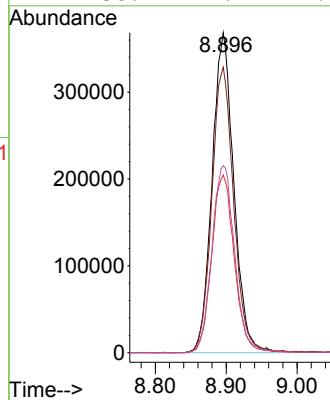
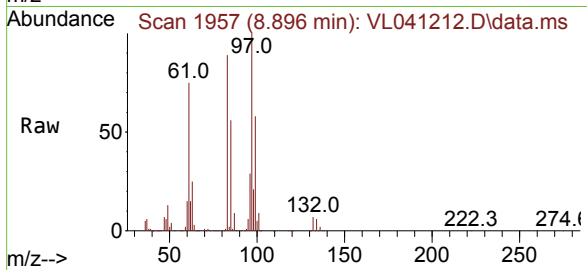
Ion Ratio Lower Upper

97 100

83 89.1 71.2 106.8

85 55.5 46.0 69.0

99 58.4 49.7 74.5



#48

Dibromochloromethane

Concen: 10.200 ppbv

RT: 9.706 min Scan# 2209

Delta R.T. 0.000 min

Lab File: VL041212.D

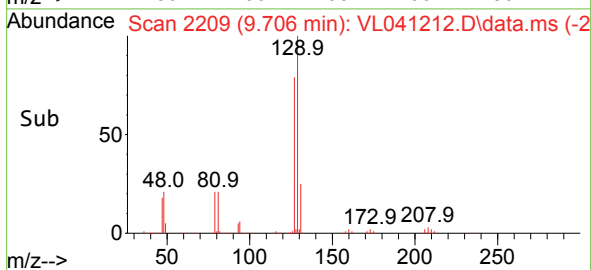
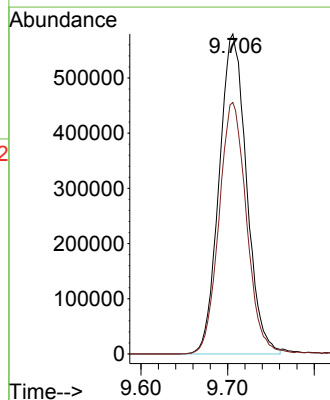
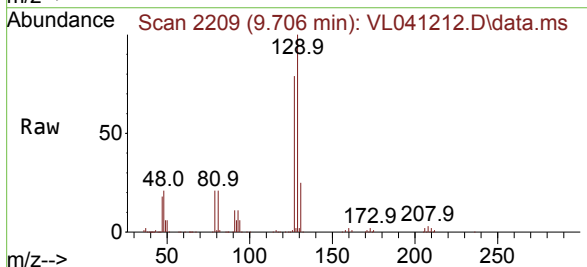
Acq: 6 May 2024 11:02

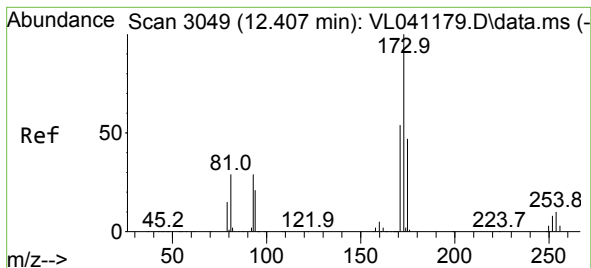
Tgt Ion:129 Resp: 1274076

Ion Ratio Lower Upper

129 100

127 79.2 39.1 117.5





#49

Bromoform

Concen: 10.254 ppbv

RT: 12.404 min Scan# 3049

Delta R.T. -0.003 min

Lab File: VL041212.D

Acq: 6 May 2024 11:02

Instrument :

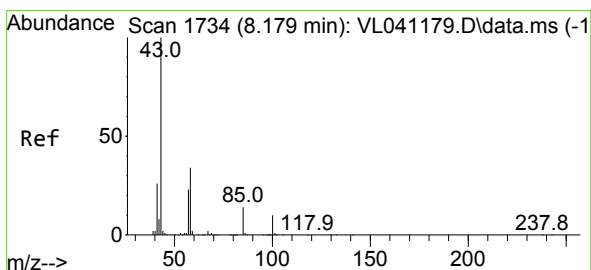
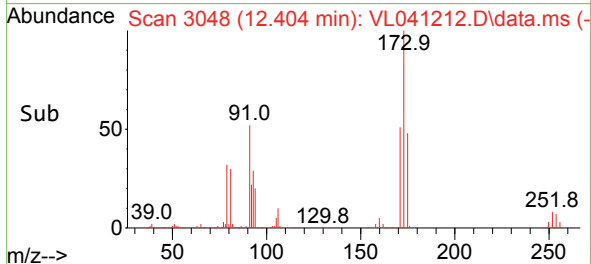
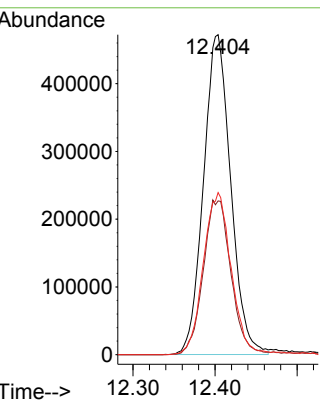
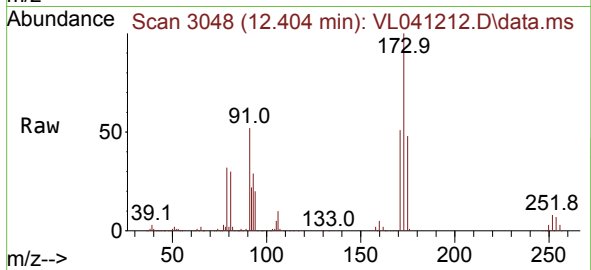
MSVOA_L

ClientSampleId :

VL0506ABS01

Tgt Ion:173 Resp: 1089544

Ion	Ratio	Lower	Upper
173	100		
175	50.6	39.8	59.8
171	52.9	41.8	62.8



#50

4-Methyl-2-Pentanone

Concen: 9.184 ppbv

RT: 8.179 min Scan# 1734

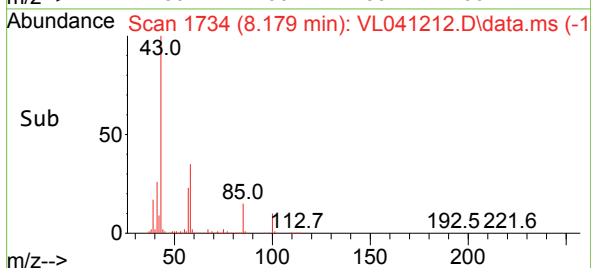
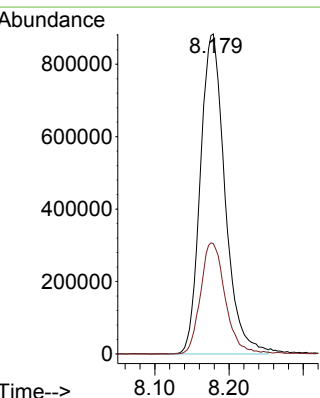
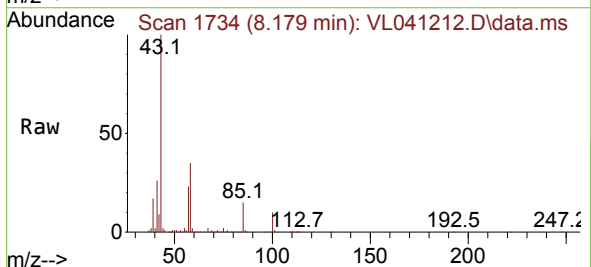
Delta R.T. 0.000 min

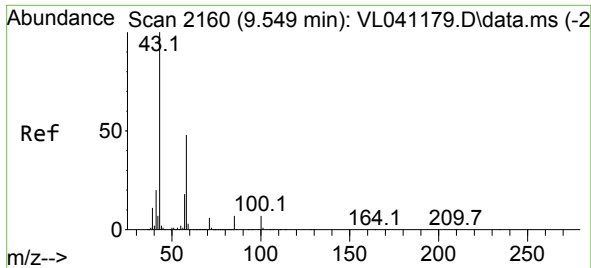
Lab File: VL041212.D

Acq: 6 May 2024 11:02

Tgt Ion: 43 Resp: 2031485

Ion	Ratio	Lower	Upper
43	100		
58	35.3	27.7	41.5

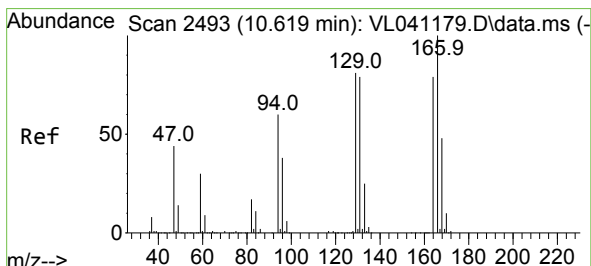
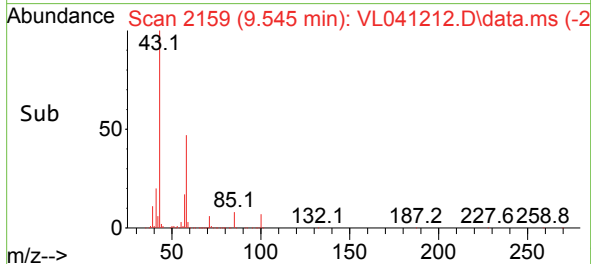
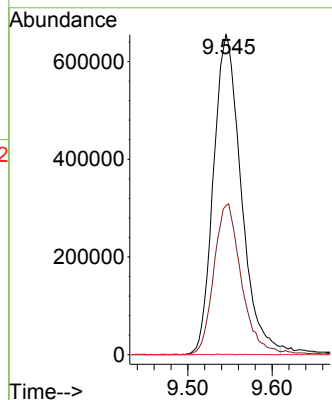
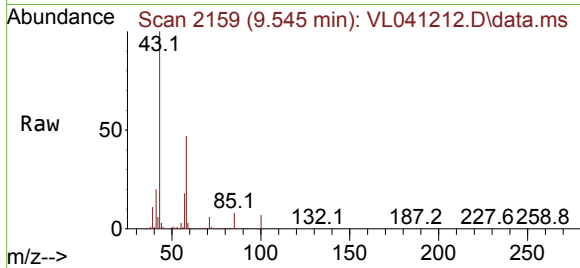




#51
2-Hexanone
Concen: 9.106 ppbv
RT: 9.545 min Scan# 2160
Delta R.T. -0.003 min
Lab File: VL041212.D
Acq: 6 May 2024 11:02

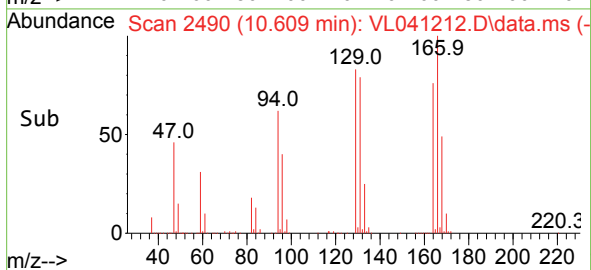
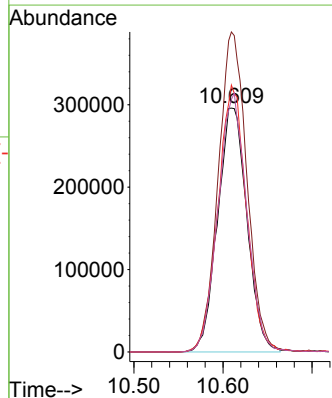
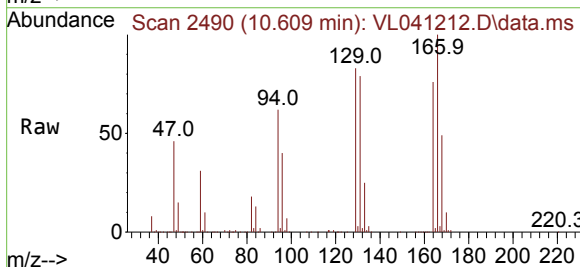
Instrument :
MSVOA_L
ClientSampleId :
VL0506ABS01

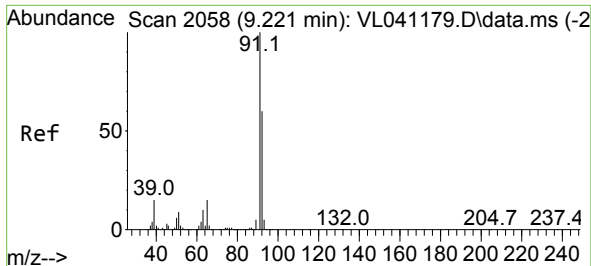
Tgt Ion: 43 Resp: 1494023
Ion Ratio Lower Upper
43 100
58 47.6 38.4 57.6
98 0.1 0.0 0.0#



#52
Tetrachloroethene
Concen: 9.467 ppbv
RT: 10.609 min Scan# 2490
Delta R.T. -0.003 min
Lab File: VL041212.D
Acq: 6 May 2024 11:02

Tgt Ion:164 Resp: 676203
Ion Ratio Lower Upper
164 100
166 131.2 101.1 151.7
129 109.4 81.7 122.5
131 103.5 80.4 120.6

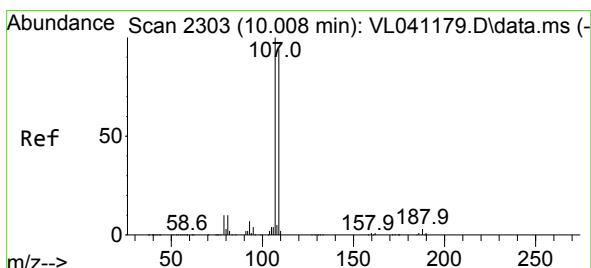
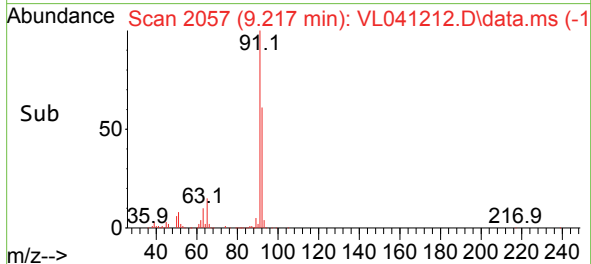
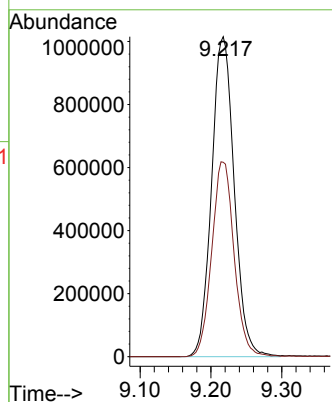
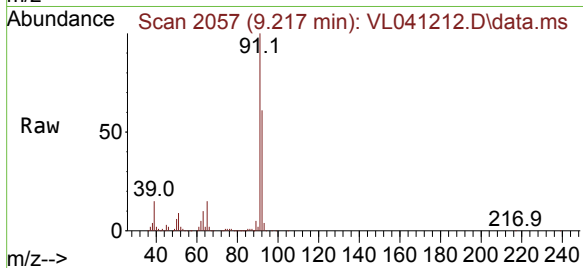




#53
Toluene
Concen: 9.548 ppbv
RT: 9.217 min Scan# 2058
Delta R.T. -0.003 min
Lab File: VL041212.D
Acq: 6 May 2024 11:02

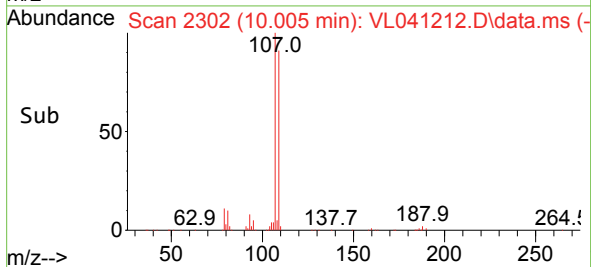
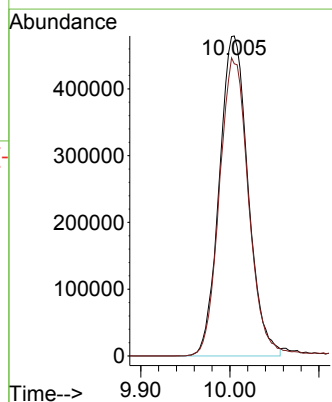
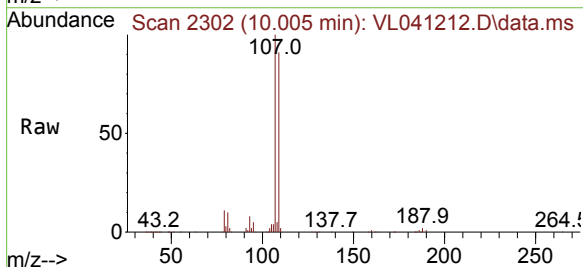
Instrument :
MSVOA_L
ClientSampleId :
VL0506ABS01

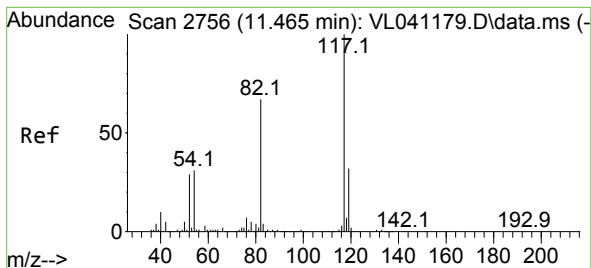
Tgt Ion: 91 Resp: 2249986
Ion Ratio Lower Upper
91 100
92 60.4 48.2 72.4



#54
1,2-Dibromoethane
Concen: 10.133 ppbv
RT: 10.005 min Scan# 2302
Delta R.T. 0.000 min
Lab File: VL041212.D
Acq: 6 May 2024 11:02

Tgt Ion: 107 Resp: 1075927
Ion Ratio Lower Upper
107 100
109 91.3 75.2 112.8

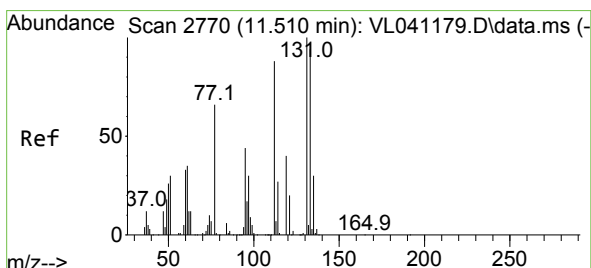
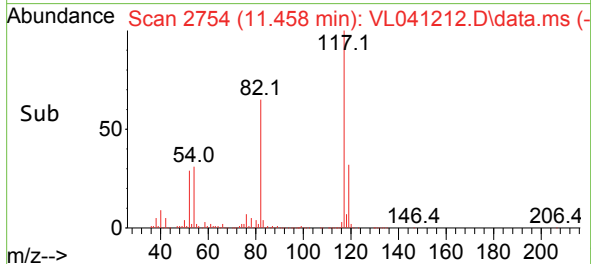
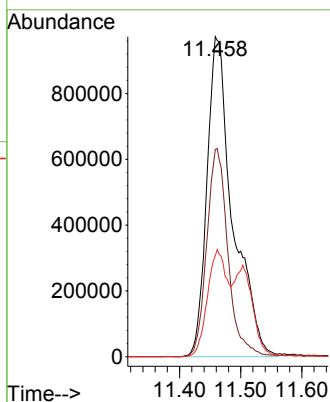
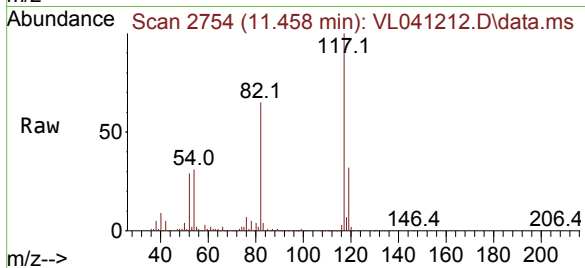




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.458 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL041212.D
Acq: 6 May 2024 11:02

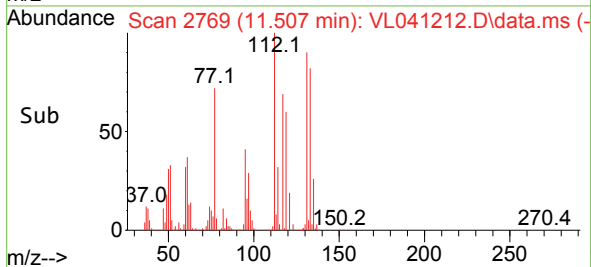
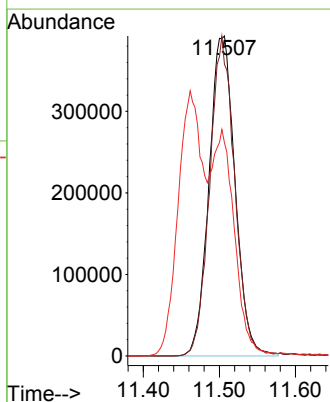
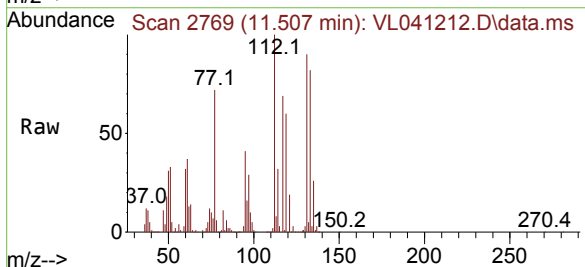
Instrument :
MSVOA_L
ClientSampleId :
VL0506ABS01

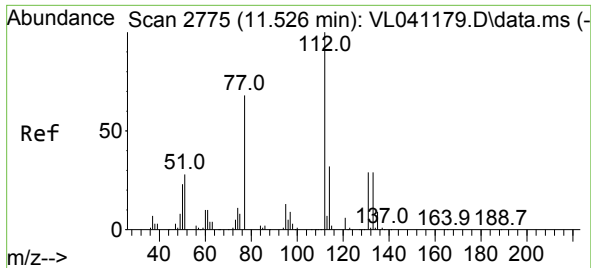
Tgt Ion:117 Resp: 2857143
Ion Ratio Lower Upper
117 100
82 53.8 53.6 80.4
119 29.1 27.2 40.8



#56
1,1,1,2-Tetrachloroethane
Concen: 8.068 ppbv
RT: 11.507 min Scan# 2769
Delta R.T. 0.000 min
Lab File: VL041212.D
Acq: 6 May 2024 11:02

Tgt Ion:131 Resp: 934653
Ion Ratio Lower Upper
131 100
133 96.0 76.3 114.5
119 63.5 49.4 74.2

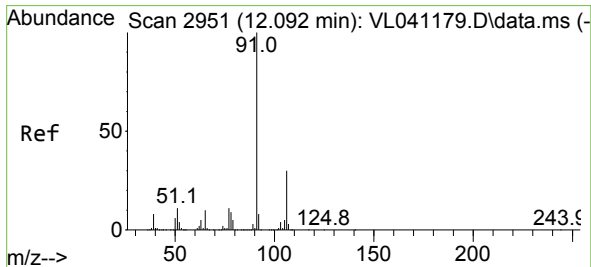
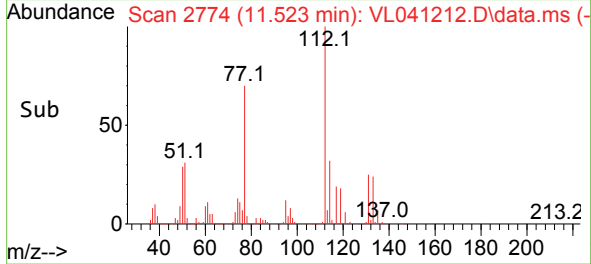
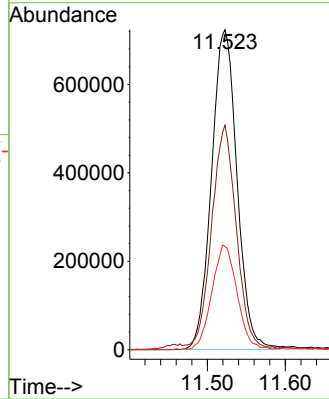
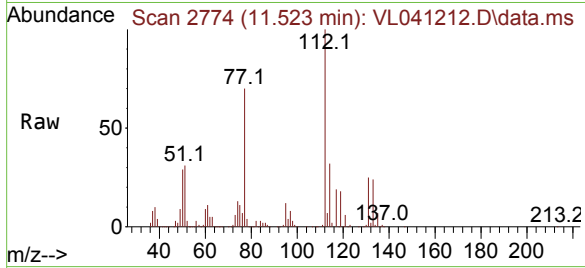




#57
Chlorobenzene
Concen: 7.870 ppbv
RT: 11.523 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL041212.D
Acq: 6 May 2024 11:02

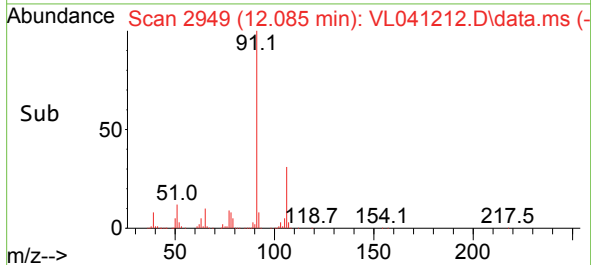
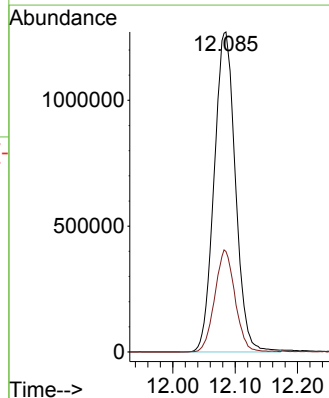
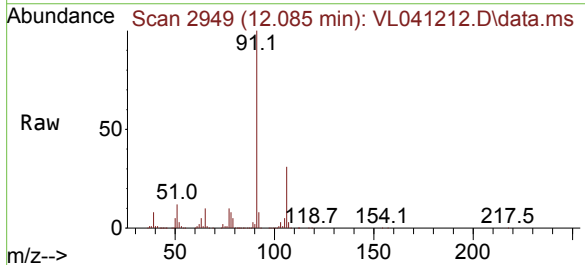
Instrument :
MSVOA_L
ClientSampleId :
VL0506ABS01

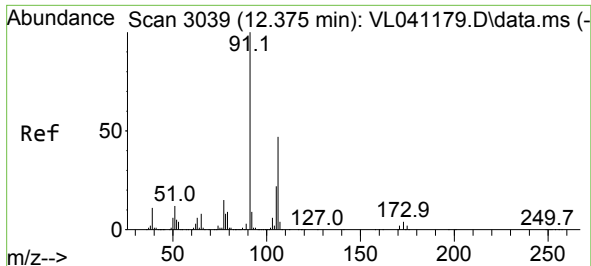
Tgt Ion:112 Resp: 1646841
Ion Ratio Lower Upper
112 100
77 69.6 54.9 82.3
114 32.2 28.7 35.1



#58
Ethyl Benzene
Concen: 7.671 ppbv
RT: 12.085 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VL041212.D
Acq: 6 May 2024 11:02

Tgt Ion: 91 Resp: 3005194
Ion Ratio Lower Upper
91 100
106 31.4 24.3 36.5





#59

m/p-Xylene

Concen: 8.066 ppbv

RT: 12.368 min Scan# 3039

Delta R.T. 0.000 min

Lab File: VL041212.D

Acq: 6 May 2024 11:02

Instrument :

MSVOA_L

ClientSampleId :

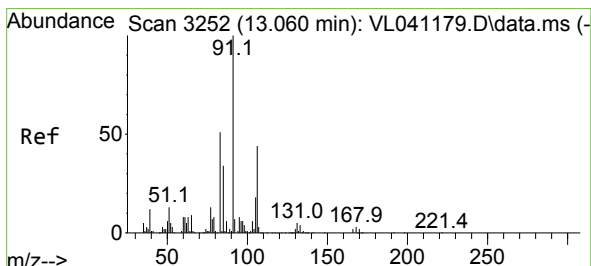
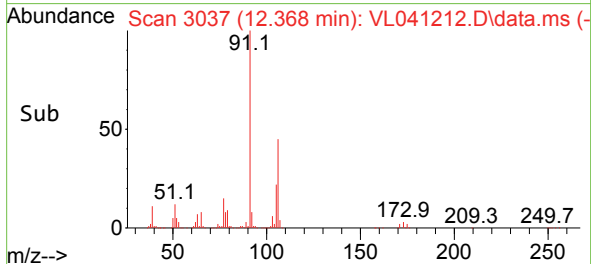
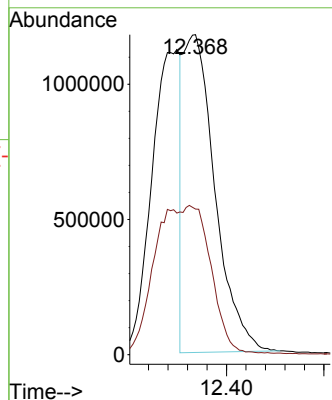
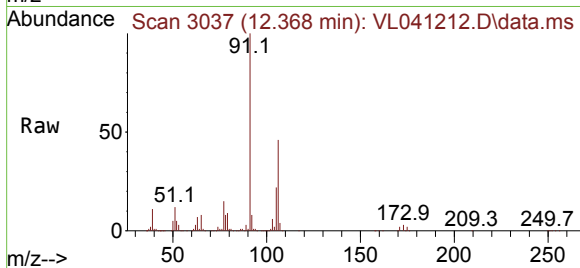
VL0506ABS01

Tgt Ion: 91 Resp: 2655790

Ion Ratio Lower Upper

91 100

106 83.7 35.7 53.5#



#60

o-Xylene

Concen: 7.721 ppbv

RT: 13.053 min Scan# 3250

Delta R.T. -0.003 min

Lab File: VL041212.D

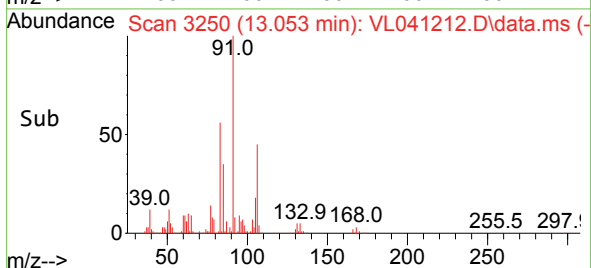
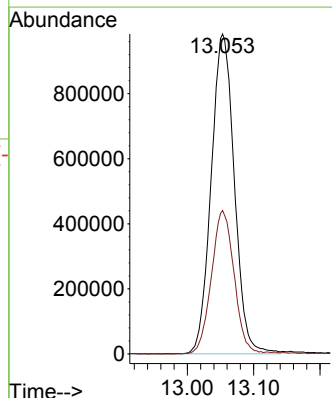
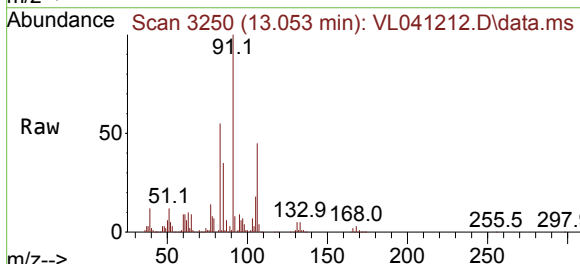
Acq: 6 May 2024 11:02

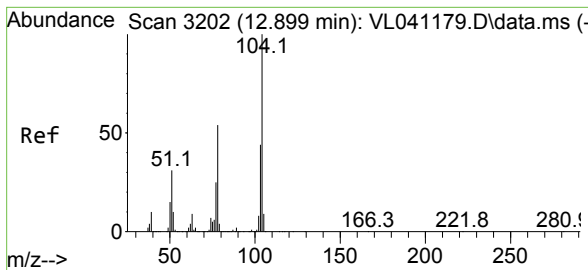
Tgt Ion: 91 Resp: 2383005

Ion Ratio Lower Upper

91 100

106 44.8 22.4 67.3

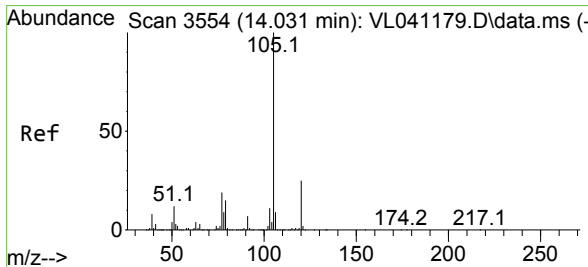
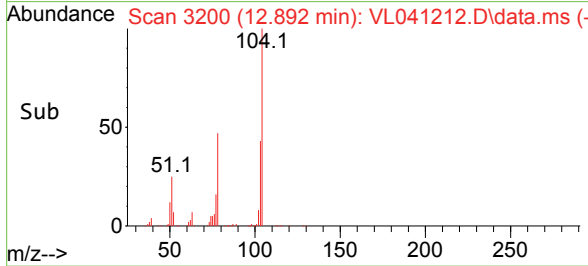
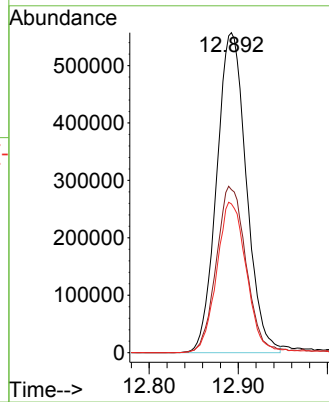
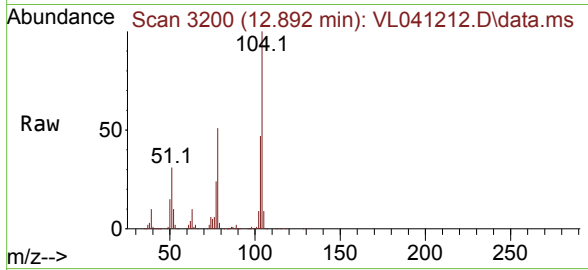




#61
Styrene
Concen: 7.905 ppbv
RT: 12.892 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL041212.D
Acq: 6 May 2024 11:02

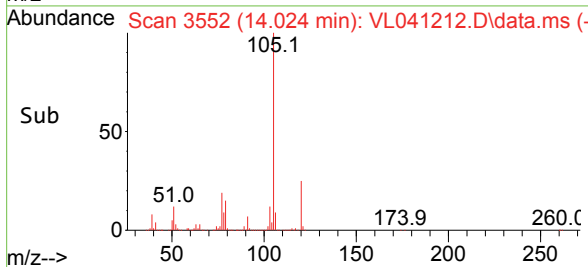
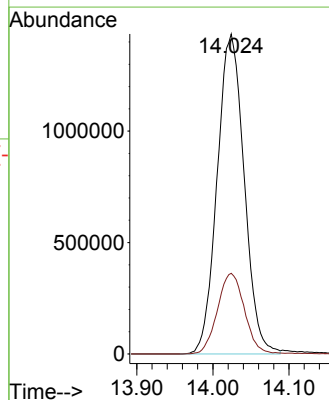
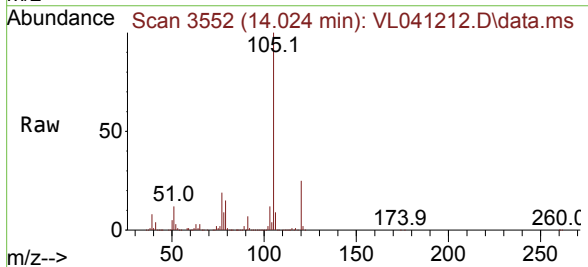
Instrument :
MSVOA_L
ClientSampleId :
VL0506ABS01

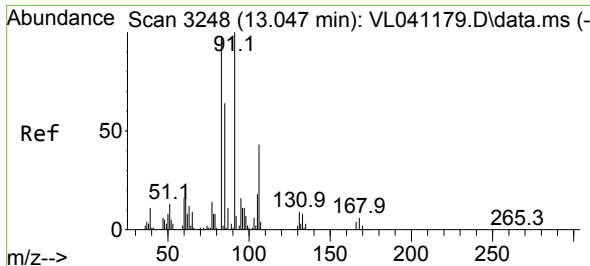
Tgt Ion:104 Resp: 1288818
Ion Ratio Lower Upper
104 100
78 53.0 42.6 63.8
103 47.7 38.4 57.6



#62
Isopropylbenzene
Concen: 7.671 ppbv
RT: 14.024 min Scan# 3552
Delta R.T. -0.003 min
Lab File: VL041212.D
Acq: 6 May 2024 11:02

Tgt Ion:105 Resp: 3541533
Ion Ratio Lower Upper
105 100
120 25.5 20.2 30.2

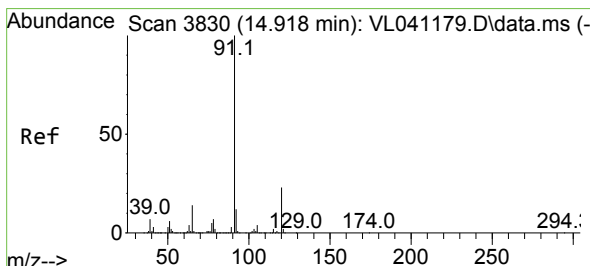
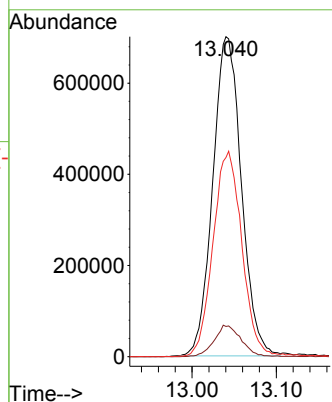
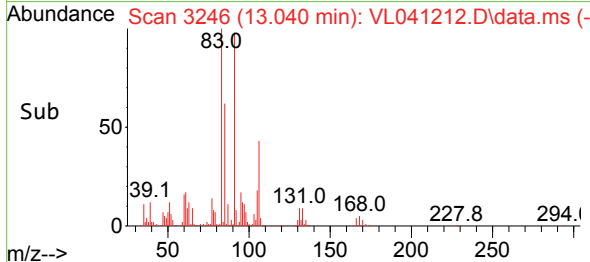
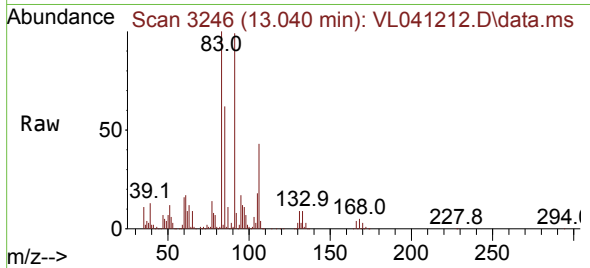




#63
1,1,2,2-Tetrachloroethane
Concen: 7.845 ppbv
RT: 13.040 min Scan# 31
Delta R.T. -0.003 min
Lab File: VL041212.D
Acq: 6 May 2024 11:02

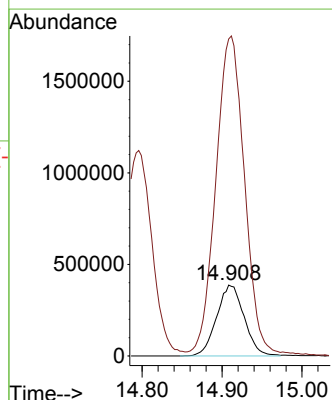
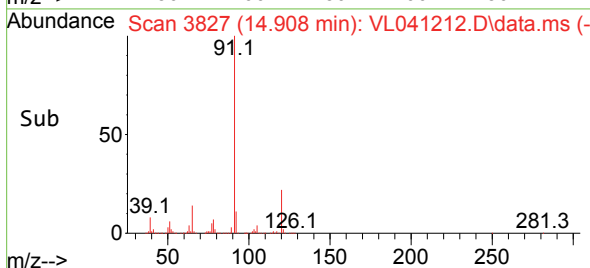
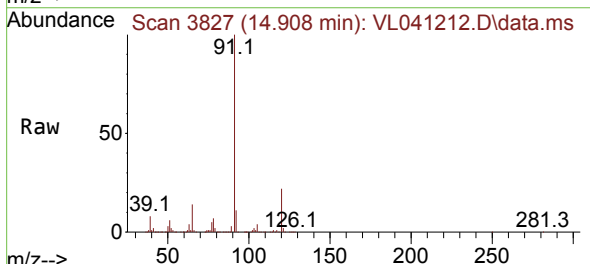
Instrument :
MSVOA_L
ClientSampleId :
VL0506ABS01

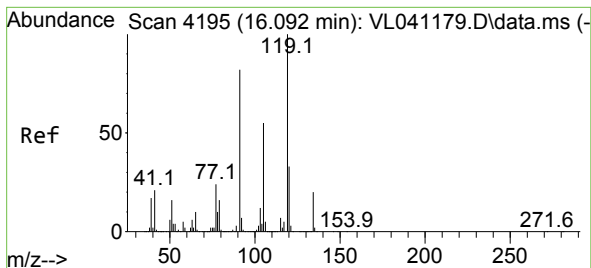
Tgt Ion: 83 Resp: 1650496
Ion Ratio Lower Upper
83 100
131 9.4 4.5 13.5
85 65.5 32.7 98.1



#64
n-propylbenzene
Concen: 8.022 ppbv
RT: 14.908 min Scan# 3827
Delta R.T. -0.003 min
Lab File: VL041212.D
Acq: 6 May 2024 11:02

Tgt Ion:120 Resp: 923919
Ion Ratio Lower Upper
120 100
91 476.5 384.8 577.2

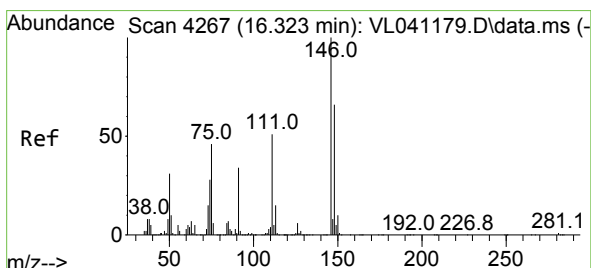
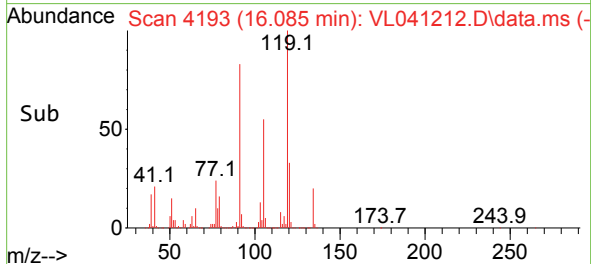
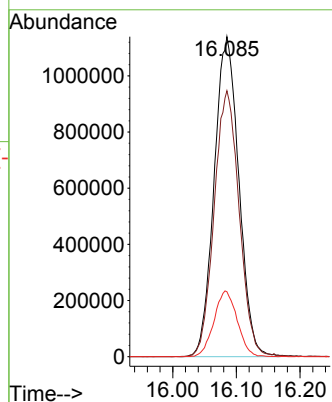
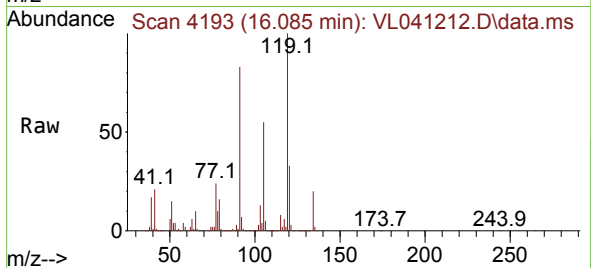




#65
tert-Butylbenzene
Concen: 7.417 ppbv
RT: 16.085 min Scan# 4195
Delta R.T. 0.000 min
Lab File: VL041212.D
Acq: 6 May 2024 11:02

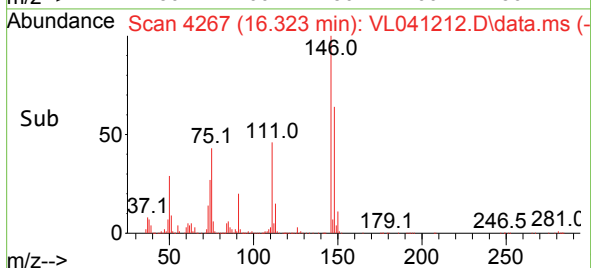
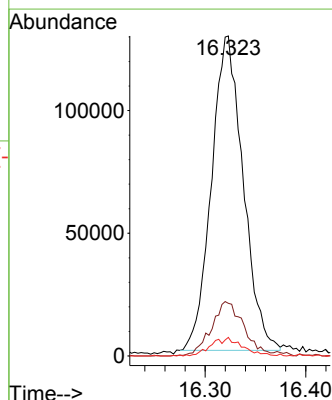
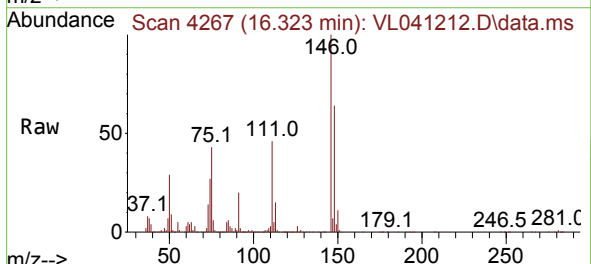
Instrument :
MSVOA_L
ClientSampleId :
VL0506ABS01

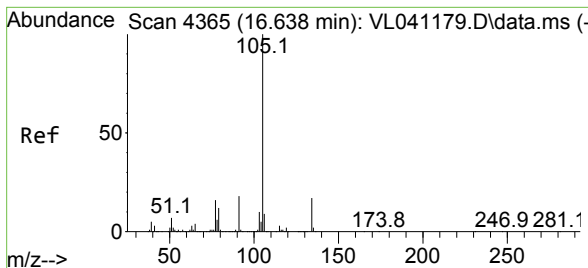
Tgt Ion:119 Resp: 3066885
Ion Ratio Lower Upper
119 100
91 84.2 67.0 100.4
134 19.4 15.2 22.8



#66
Benzyl Chloride
Concen: 5.992 ppbv
RT: 16.323 min Scan# 4267
Delta R.T. -0.003 min
Lab File: VL041212.D
Acq: 6 May 2024 11:02

Tgt Ion: 91 Resp: 280458
Ion Ratio Lower Upper
91 100
126 18.4 14.6 21.8
128 5.9 4.7 7.1

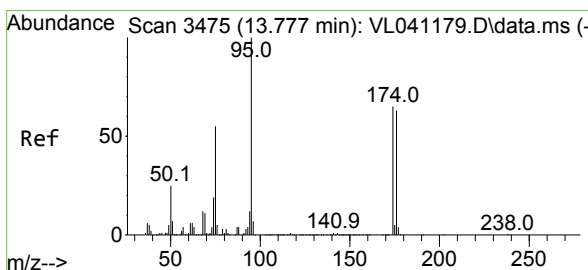
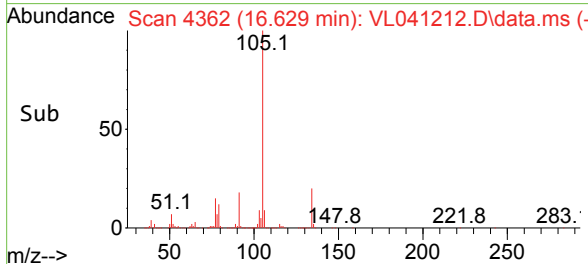
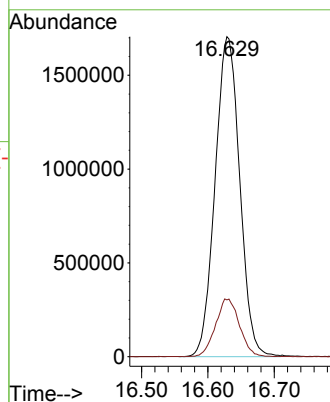
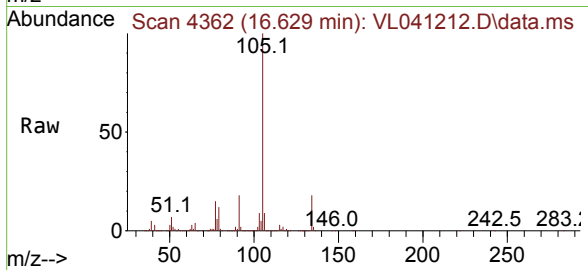




#67
 sec-Butylbenzene
 Concen: 7.544 ppbv
 RT: 16.629 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VL041212.D
 Acq: 6 May 2024 11:02

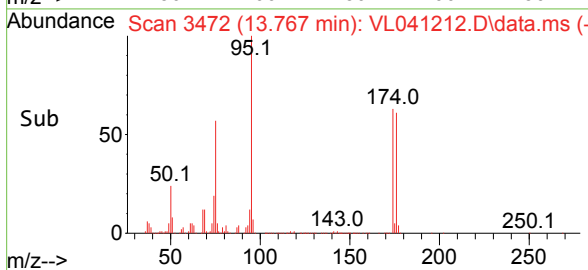
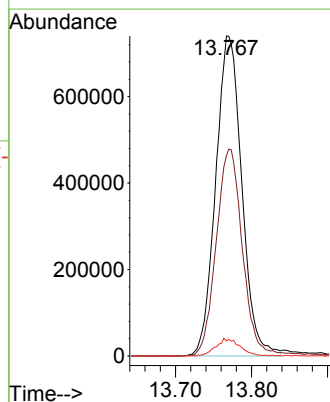
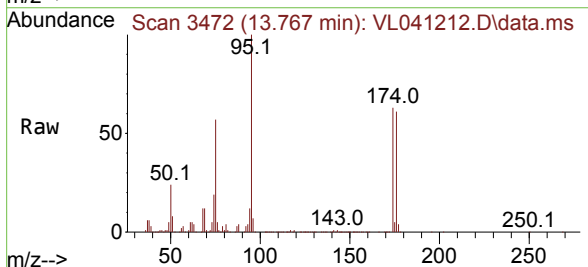
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0506ABS01

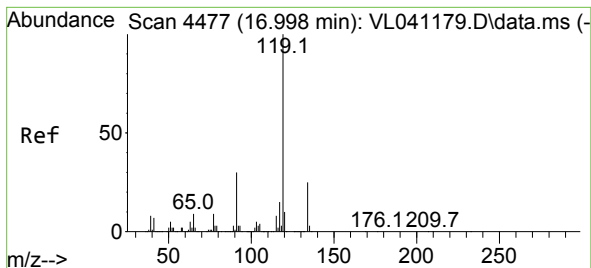
Tgt Ion:105 Resp: 4391312
 Ion Ratio Lower Upper
 105 100
 134 17.7 13.8 20.8



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.188 ppbv
 RT: 13.767 min Scan# 3472
 Delta R.T. -0.006 min
 Lab File: VL041212.D
 Acq: 6 May 2024 11:02

Tgt Ion: 95 Resp: 1766067
 Ion Ratio Lower Upper
 95 100
 174 66.0 53.6 80.4
 175 5.2 4.2 6.4





#69

p-Isopropyltoluene

Concen: 7.592 ppbv

RT: 16.989 min Scan# 4477

Delta R.T. -0.003 min

Lab File: VL041212.D

Acq: 6 May 2024 11:02

Instrument :

MSVOA_L

ClientSampleId :

VL0506ABS01

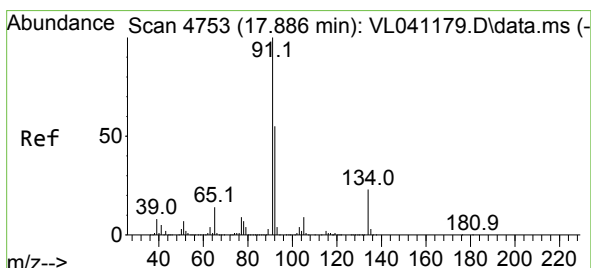
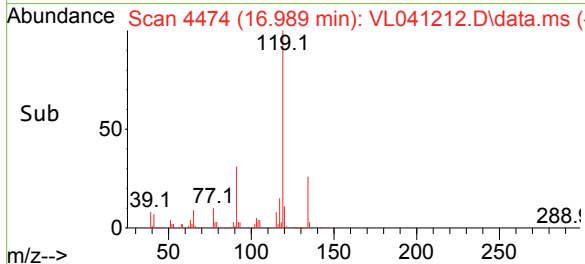
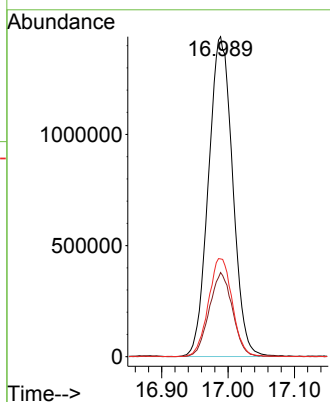
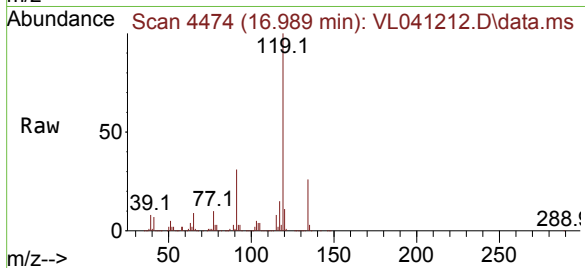
Tgt Ion:119 Resp: 3641676

Ion Ratio Lower Upper

119 100

134 25.5 20.1 30.1

91 30.3 24.2 36.2



#70

n-Butylbenzene

Concen: 7.659 ppbv

RT: 17.879 min Scan# 4751

Delta R.T. -0.003 min

Lab File: VL041212.D

Acq: 6 May 2024 11:02

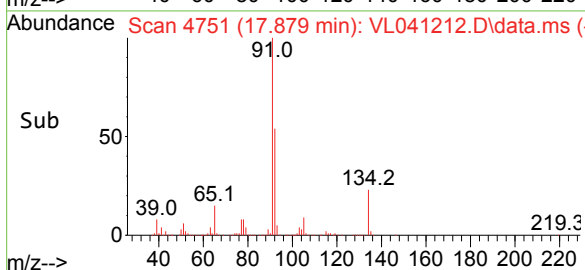
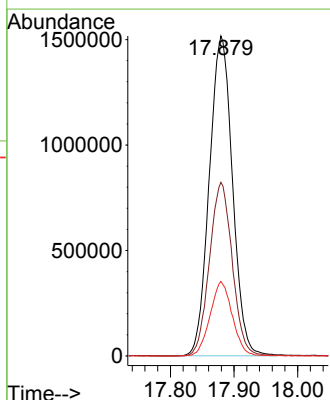
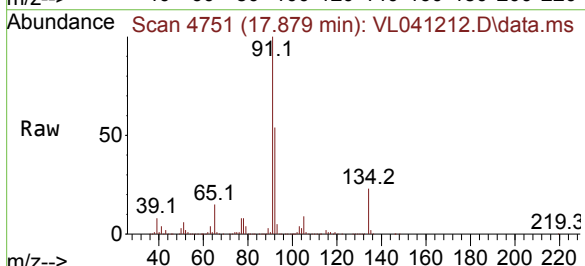
Tgt Ion: 91 Resp: 3836776

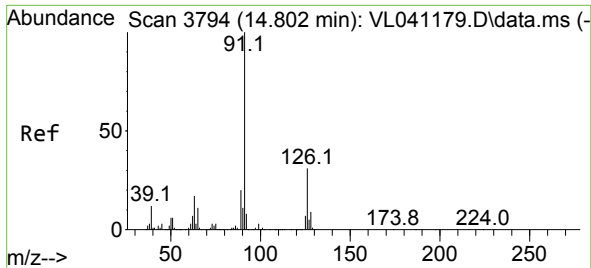
Ion Ratio Lower Upper

91 100

92 53.6 43.3 64.9

134 22.5 17.8 26.8

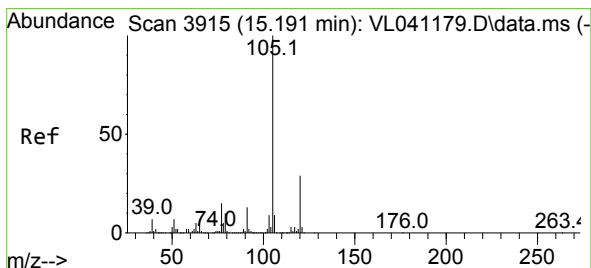
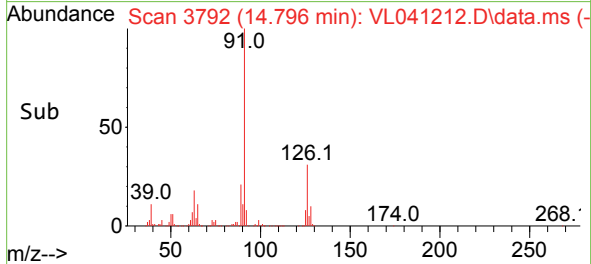
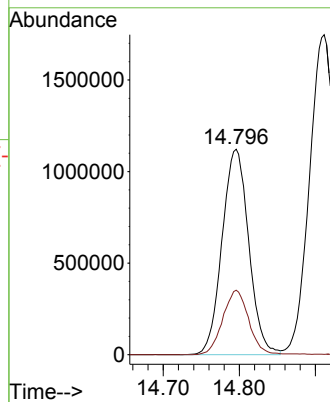
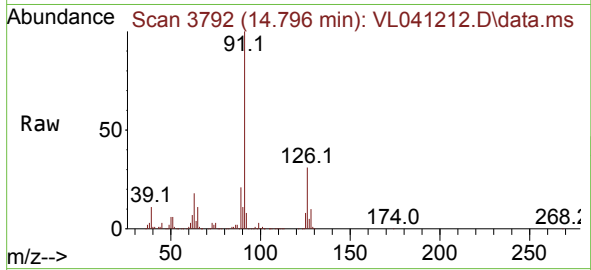




#71
2-Chlorotoluene
Concen: 7.786 ppbv
RT: 14.796 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL041212.D
Acq: 6 May 2024 11:02

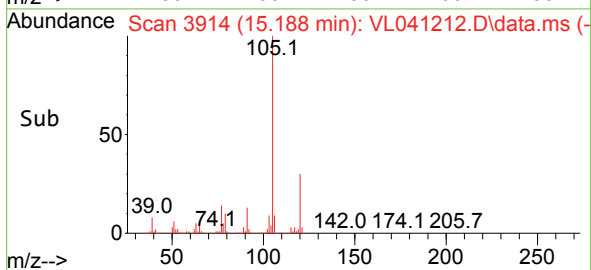
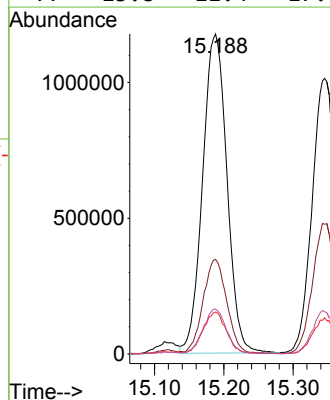
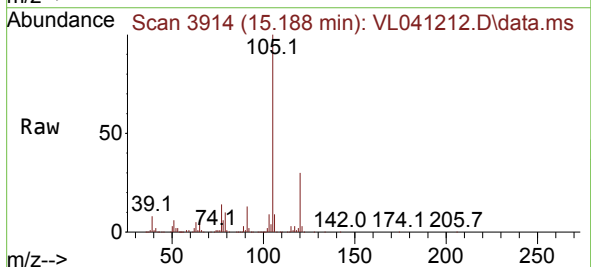
Instrument :
MSVOA_L
ClientSampleId :
VL0506ABS01

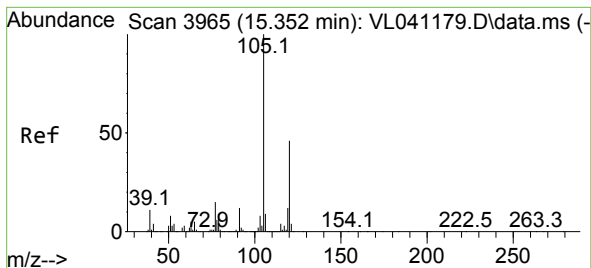
Tgt Ion: 91 Resp: 2736959
Ion Ratio Lower Upper
91 100
126 31.0 12.2 48.8



#72
4-Ethyltoluene
Concen: 8.196 ppbv
RT: 15.188 min Scan# 3914
Delta R.T. 0.000 min
Lab File: VL041212.D
Acq: 6 May 2024 11:02

Tgt Ion: 105 Resp: 2865434
Ion Ratio Lower Upper
105 100
120 29.4 24.7 37.1
91 12.6 10.3 15.5
77 13.8 11.4 17.0





#73

1,3,5-Trimethylbenzene

Concen: 7.797 ppbv

RT: 15.346 min Scan# 3965

Delta R.T. -0.003 min

Lab File: VL041212.D

Acq: 6 May 2024 11:02

Instrument :

MSVOA_L

ClientSampleId :

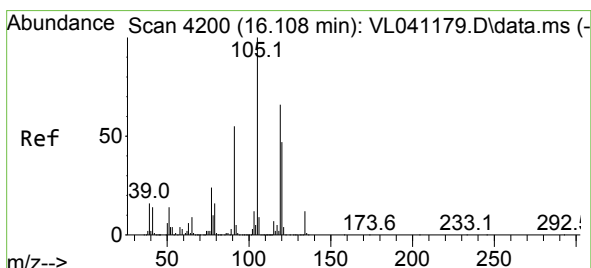
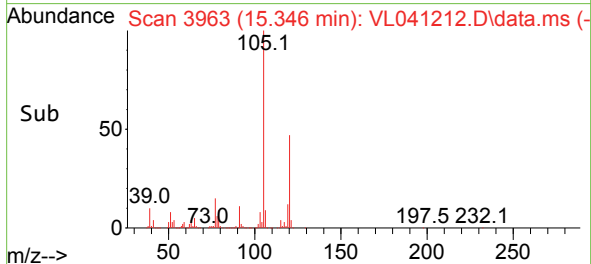
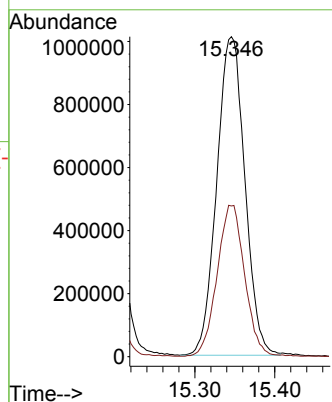
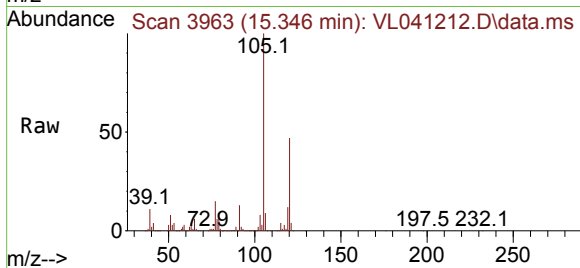
VL0506ABS01

Tgt Ion:105 Resp: 2466262

Ion Ratio Lower Upper

105 100

120 47.1 37.0 55.4



#74

1,2,4-Trimethylbenzene

Concen: 7.748 ppbv

RT: 16.104 min Scan# 4199

Delta R.T. 0.000 min

Lab File: VL041212.D

Acq: 6 May 2024 11:02

Tgt Ion:105 Resp: 2676654

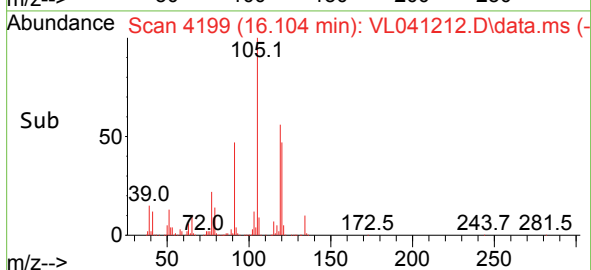
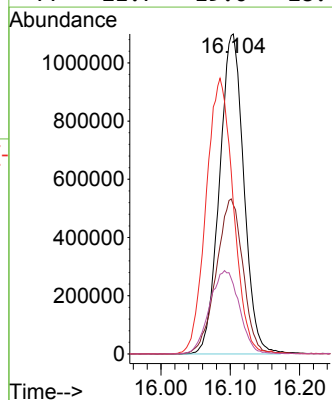
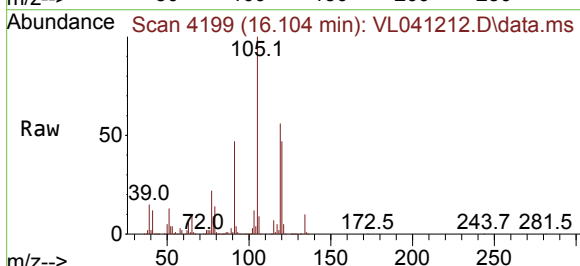
Ion Ratio Lower Upper

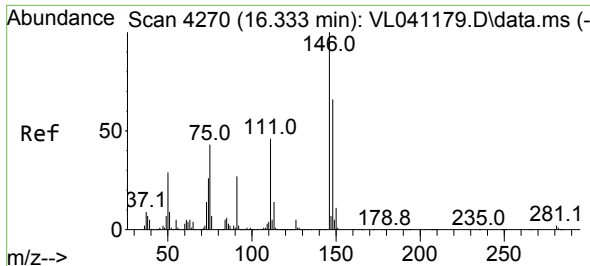
105 100

120 46.5 37.8 56.6

91 46.5 44.3 66.5

77 21.7 19.0 28.4

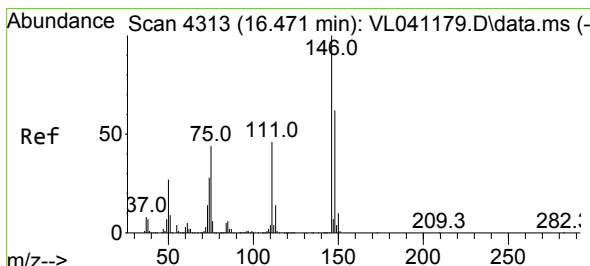
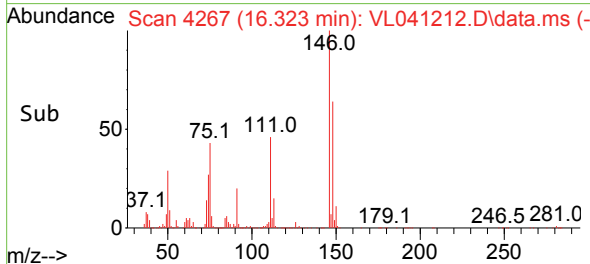
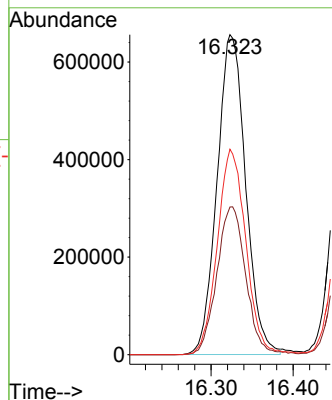
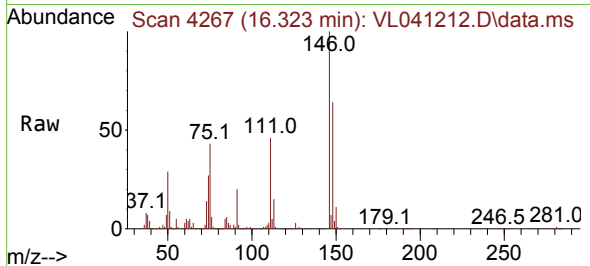




#75
1,3-Dichlorobenzene
Concen: 8.026 ppbv
RT: 16.323 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL041212.D
Acq: 6 May 2024 11:02

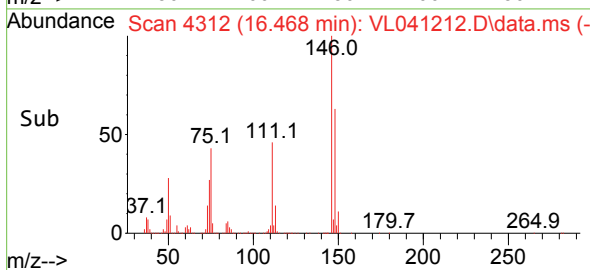
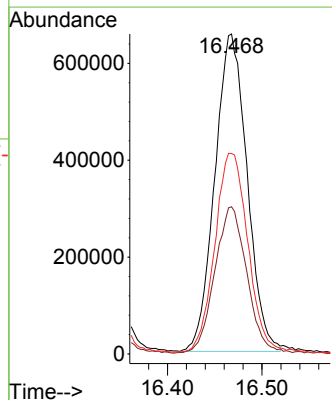
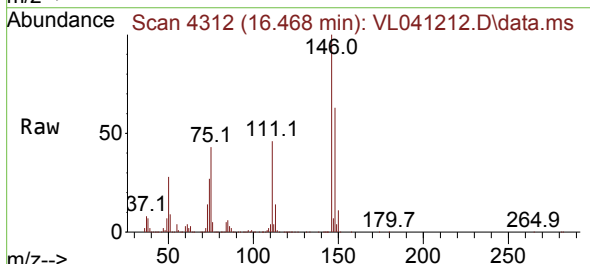
Instrument :
MSVOA_L
ClientSampleId :
VL0506ABS01

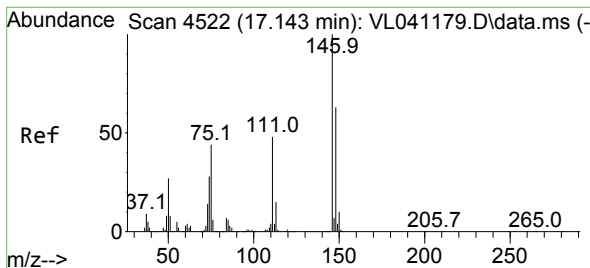
Tgt Ion:146 Resp: 1589839
Ion Ratio Lower Upper
146 100
111 46.9 23.7 71.1
148 64.3 32.5 97.4



#76
1,4-Dichlorobenzene
Concen: 8.148 ppbv
RT: 16.468 min Scan# 4312
Delta R.T. 0.000 min
Lab File: VL041212.D
Acq: 6 May 2024 11:02

Tgt Ion:146 Resp: 1552244
Ion Ratio Lower Upper
146 100
111 47.0 23.3 69.8
148 66.2 32.6 97.7





#77

1,2-Dichlorobenzene

Concen: 7.813 ppbv

RT: 17.133 min Scan# 4519

Delta R.T. -0.003 min

Lab File: VL041212.D

Acq: 6 May 2024 11:02

Instrument :

MSVOA_L

ClientSampleId :

VL0506ABS01

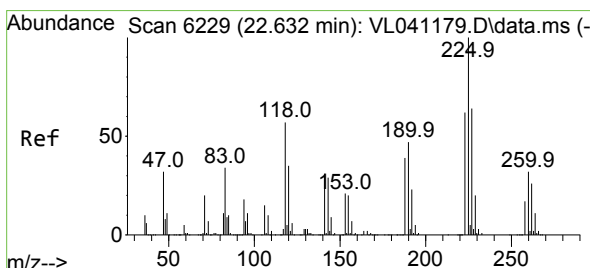
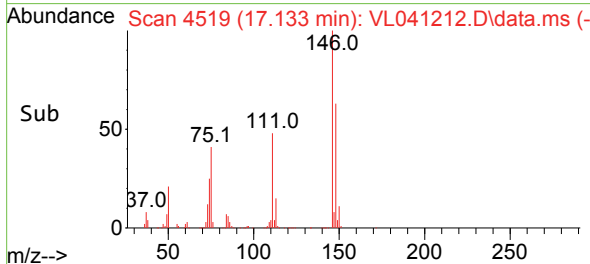
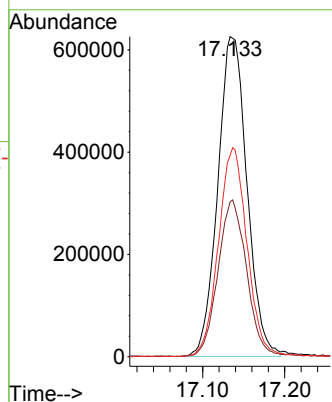
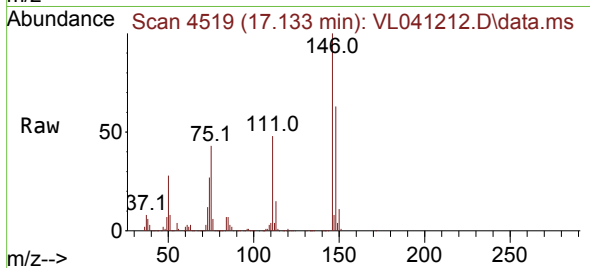
Tgt Ion:146 Resp: 1547151

Ion Ratio Lower Upper

146 100

111 48.5 24.5 73.5

148 64.3 32.6 98.0



#78

Hexachloro-1,3-Butadiene

Concen: 3.763 ppbv

RT: 22.625 min Scan# 6227

Delta R.T. 0.000 min

Lab File: VL041212.D

Acq: 6 May 2024 11:02

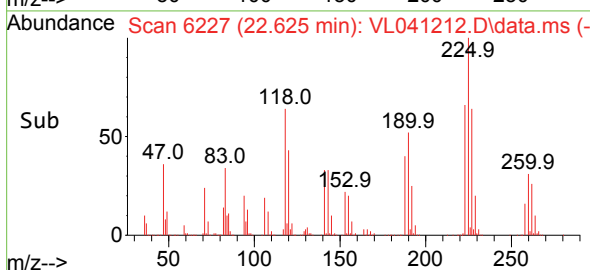
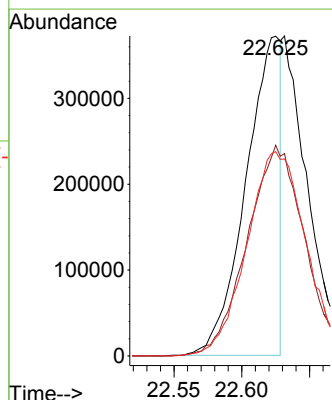
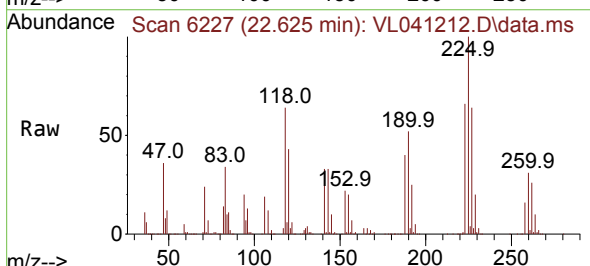
Tgt Ion:225 Resp: 662304

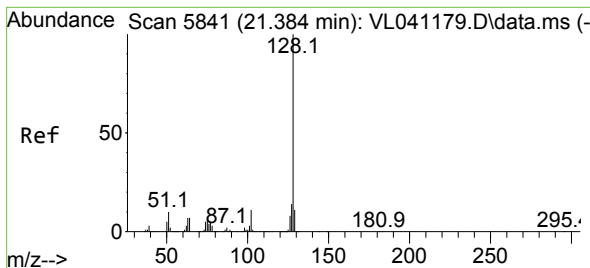
Ion Ratio Lower Upper

225 100

223 110.1 50.9 76.3#

227 110.0 52.0 78.0#





#79

Naphthalene

Concen: 8.212 ppbv

RT: 21.374 min Scan# 5838

Delta R.T. -0.003 min

Lab File: VL041212.D

Acq: 6 May 2024 11:02

Instrument :

MSVOA_L

ClientSampleId :

VL0506ABS01

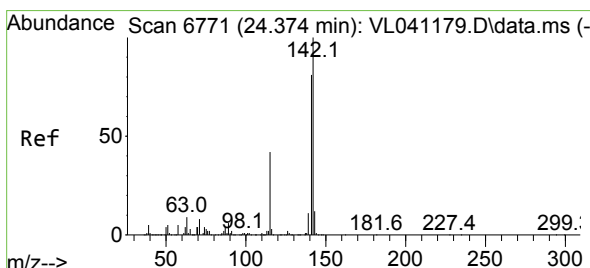
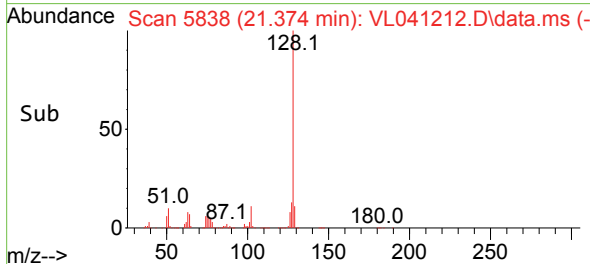
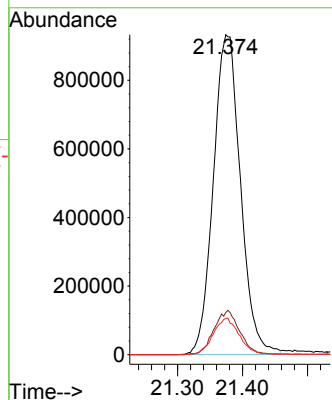
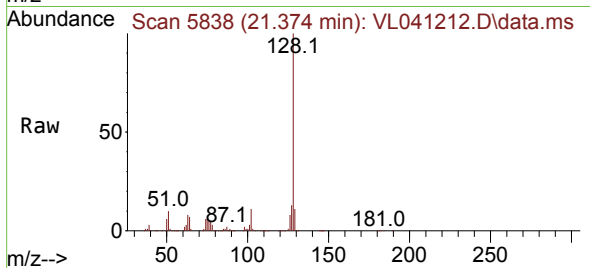
Tgt Ion:128 Resp: 2701491

Ion Ratio Lower Upper

128 100

127 13.2 10.8 16.2

129 11.2 8.9 13.3



#80

Naphthalene,2-methyl-

Concen: 6.738 ppbv

RT: 24.371 min Scan# 6770

Delta R.T. 0.000 min

Lab File: VL041212.D

Acq: 6 May 2024 11:02

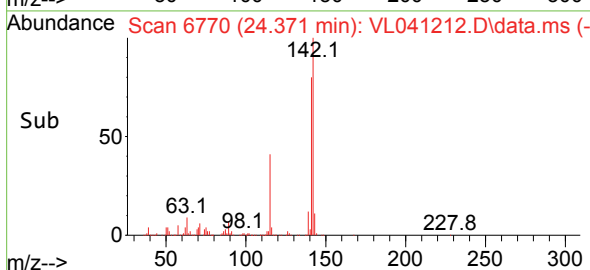
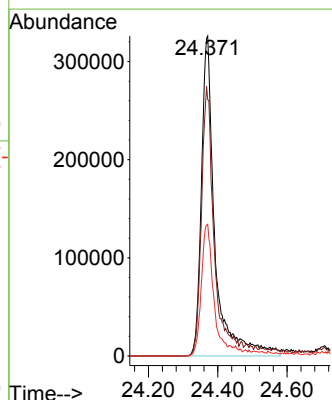
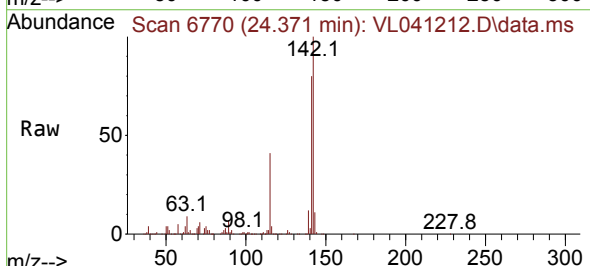
Tgt Ion:142 Resp: 891770

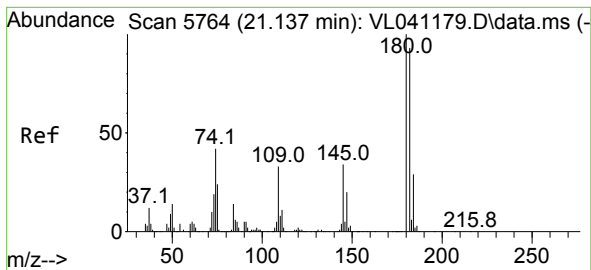
Ion Ratio Lower Upper

142 100

141 80.8 67.9 101.9

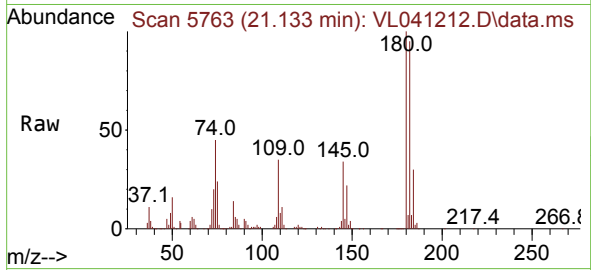
115 41.8 31.4 47.0





#81
 1,2,4-Trichlorobenzene
 Concen: 7.566 ppbv
 RT: 21.133 min Scan# 51
 Delta R.T. -0.003 min
 Lab File: VL041212.D
 Acq: 6 May 2024 11:02

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0506ABS01



Tgt Ion:180 Resp: 1314196

Ion	Ratio	Lower	Upper
180	100		
182	97.0	77.2	115.8
184	31.1	24.6	36.8

