

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042324\
 Data File : VL041152.D
 Acq On : 23 Apr 2024 8:58
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 24 02:48:37 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL040424AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Apr 24 02:47:46 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.189	49	1222428	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.645	114	3206603	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.455	117	3908769	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	2508712	7.982	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	79.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.735	85	1971781	9.430	ppbv	99
3) Chlorodifluoromethane	2.681	51	1903850	10.112	ppbv	100
4) Chloromethane	2.819	50	738681	10.367	ppbv	100
5) Vinyl Chloride	2.925	62	754239	10.958	ppbv	99
6) Bromomethane	3.121	94	276227	10.662	ppbv	94
7) Chloroethane	3.198	64	263591	10.435	ppbv	98
8) Dichlorotetrafluoroethane	2.861	85	1874463	10.509	ppbv	100
9) Propene	2.700	41	637657	10.646	ppbv	95
10) Heptane	7.574	43	1600502	11.255	ppbv	99
11) Trichlorofluoromethane	3.562	101	1937848	10.220	ppbv	94
12) 1,1,2-Trichlorotrifluo...	4.067	101	1409294	10.269	ppbv	100
13) Ethanol	3.243	45	65694	4.611	ppbv	# 36
14) Bromoethene	3.369	108	574906	10.635	ppbv	99
15) Acetone	3.469	43	1354523	10.233	ppbv	98
16) 1,3-Butadiene	2.989	39	711643	10.952	ppbv	98
17) tert-Butyl alcohol	3.877	59	1264062	10.545	ppbv	99
18) 1,1-Dichloroethene	3.880	96	633568	10.813	ppbv	98
19) Isopropyl Alcohol	3.575	45	878842	10.930	ppbv	99
20) Methylene Chloride	3.932	84	521451	9.552	ppbv	95
21) Allyl Chloride	3.996	41	876441	10.867	ppbv	99
22) trans-1,2-Dichloroethene	4.443	96	646962	10.532	ppbv	98
23) Vinyl Acetate	4.623	43	1568147	11.597	ppbv	98
24) 1,1-Dichloroethane	4.562	63	1324003	10.762	ppbv	99
25) Ethyl Acetate	5.198	43	2667616	10.732	ppbv	100
26) Hexane	5.208	57	1158557	10.387	ppbv	99
27) Carbon Disulfide	4.124	76	1534393	11.227	ppbv	99
28) Methyl tert-Butyl Ether	4.584	73	903061	10.729	ppbv	100
29) Chloroform	5.269	83	1954144	10.393	ppbv	98
30) Cyclohexane	6.594	84	996383	10.967	ppbv	99
31) cis-1,2-Dichloroethene	5.076	61	1051489	9.960	ppbv	100
32) 1,1,1-Trichloroethane	5.996	97	1958572	11.269	ppbv	100
34) 2-Butanone	4.780	43	1467699	10.816	ppbv	100
35) Carbon Tetrachloride	6.488	117	2040978	11.180	ppbv	99
36) Benzene	6.362	78	2515374	10.682	ppbv	99
37) 1,2-Dichloroethane	5.800	62	1518835	10.743	ppbv	99
38) Trichloroethene	7.282	130	980522	11.526	ppbv	95
39) 1,2-Dichloropropane	7.063	63	991001	10.673	ppbv	98
40) 1,4-Dioxane	7.279	88	363718	11.240	ppbv	89
41) Tetrahydrofuran	5.549	42	1025822	11.354	ppbv	98
42) Bromodichloromethane	7.240	83	2214486	10.963	ppbv	96
43) Methyl Methacrylate	7.465	69	1059096	11.808	ppbv	99
44) 2,2,4-Trimethylpentane	7.320	57	4193292	10.757	ppbv	99
45) t-1,3-Dichloropropene	8.700	75	709443	13.422	ppbv	96

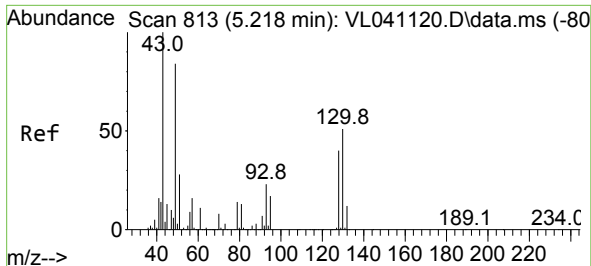
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL042324\
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Apr 24 02:47:46 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.134	75	881162	12.884	ppbv	99
47) 1,1,2-Trichloroethane	8.890	97	1086076	10.823	ppbv	98
48) Dibromochloromethane	9.700	129	1872199	11.753	ppbv	99
49) Bromoform	12.397	173	1517213	12.022	ppbv	99
50) 4-Methyl-2-Pentanone	8.172	43	2714191	11.367	ppbv	99
51) 2-Hexanone	9.539	43	1964581	11.866	ppbv #	99
52) Tetrachloroethene	10.606	164	868823	11.564	ppbv	97
53) Toluene	9.211	91	2907701	11.727	ppbv	100
54) 1,2-Dibromoethane	9.999	107	1488299	11.892	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.497	131	1360951	8.472	ppbv	98
57) Chlorobenzene	11.516	112	2265952	8.469	ppbv	100
58) Ethyl Benzene	12.076	91	3947158	9.224	ppbv	99
59) m/p-Xylene	12.362	91	3394096	8.782	ppbv #	32
60) o-Xylene	13.047	91	3287859	8.978	ppbv	98
61) Styrene	12.886	104	1644635	10.136	ppbv	99
62) Isopropylbenzene	14.018	105	4741203	8.697	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.037	83	2467145	8.575	ppbv	99
64) n-propylbenzene	14.905	120	1255994	9.180	ppbv	95
65) tert-Butylbenzene	16.079	119	4250200	8.930	ppbv	99
66) Benzyl Chloride	16.314	91	296104	9.456	ppbv	98
67) sec-Butylbenzene	16.626	105	5984447	8.703	ppbv	100
69) p-Isopropyltoluene	16.982	119	4877363	9.096	ppbv	100
70) n-Butylbenzene	17.873	91	5284686	9.072	ppbv	100
71) 2-Chlorotoluene	14.790	91	3695616	8.838	ppbv	99
72) 4-Ethyltoluene	15.182	105	3751702	9.173	ppbv	100
73) 1,3,5-Trimethylbenzene	15.339	105	3263976	9.048	ppbv	98
74) 1,2,4-Trimethylbenzene	16.095	105	3653199	8.849	ppbv	99
75) 1,3-Dichlorobenzene	16.317	146	2139363	8.876	ppbv	100
76) 1,4-Dichlorobenzene	16.462	146	2092934	8.927	ppbv	98
77) 1,2-Dichlorobenzene	17.134	146	2086636	8.915	ppbv	99
78) Hexachloro-1,3-Butadiene	22.616	225	1250797	8.038	ppbv	98
79) Naphthalene	21.371	128	3055082	11.535	ppbv	99
80) Naphthalene,2-methyl-	24.368	142	645297	12.508	ppbv	99
81) 1,2,4-Trichlorobenzene	21.127	180	1471830	9.913	ppbv	99

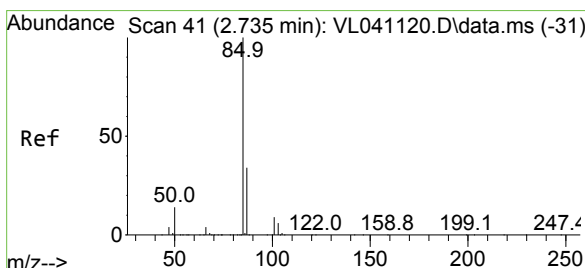
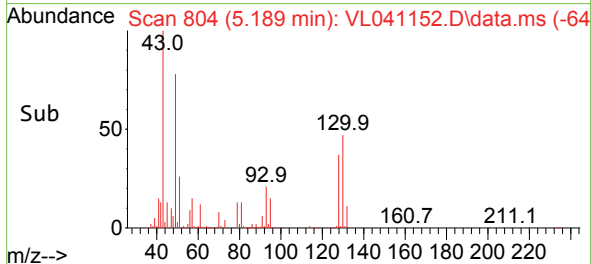
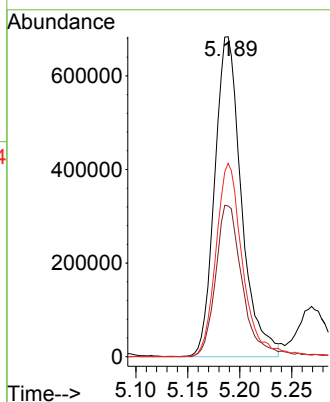
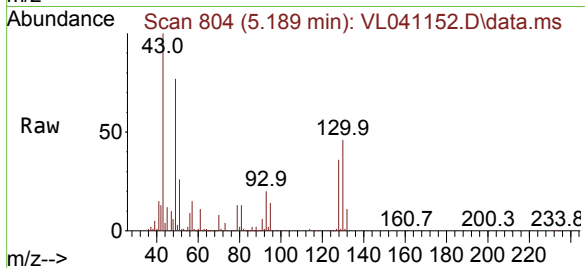
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.189 min Scan# 80
Delta R.T. -0.000 min
Lab File: VL041152.D
Acq: 23 Apr 2024 8:58

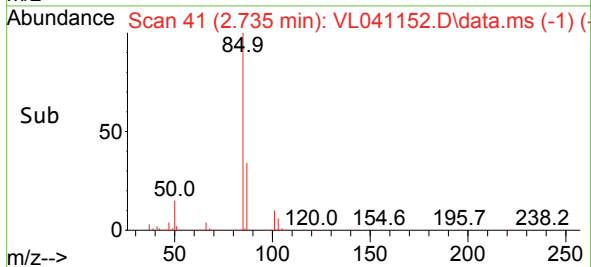
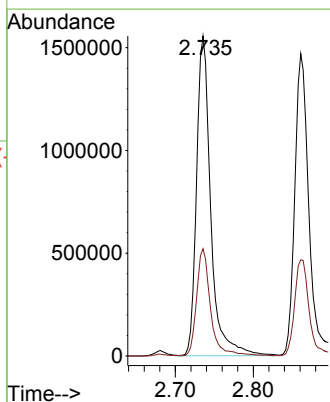
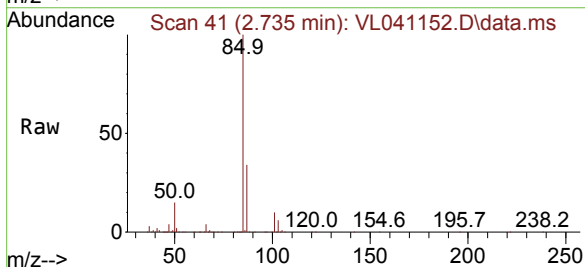
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MSVOA_L
ClientSampleId :

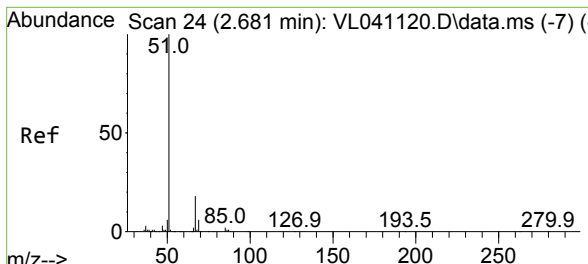
Tgt Ion: 49 Resp: 1222428
Ion Ratio Lower Upper
49 100
128 48.4 23.6 71.0
130 61.7 30.1 90.5



#2
Dichlorodifluoromethane
Concen: 9.430 ppbv
RT: 2.735 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL041152.D
Acq: 23 Apr 2024 8:58

Tgt Ion: 85 Resp: 1971781
Ion Ratio Lower Upper
85 100
87 33.5 27.0 40.6

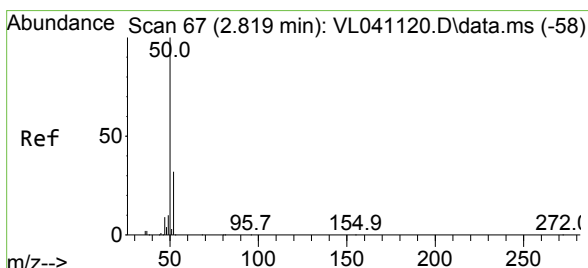
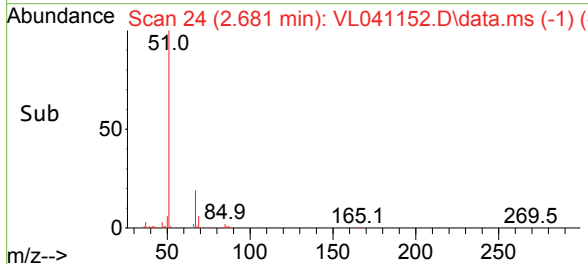
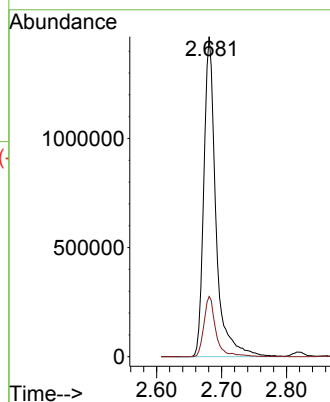
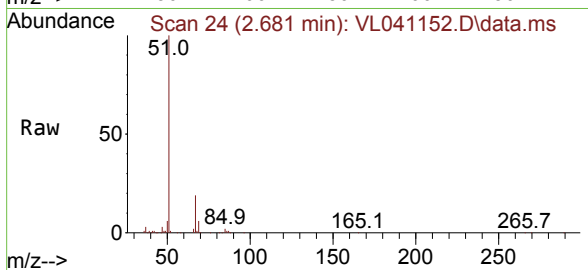




#3
 Chlorodifluoromethane
 Concen: 10.112 ppbv
 RT: 2.681 min Scan# 24
 Delta R.T. 0.000 min
 Lab File: VL041152.D
 Acq: 23 Apr 2024 8:58

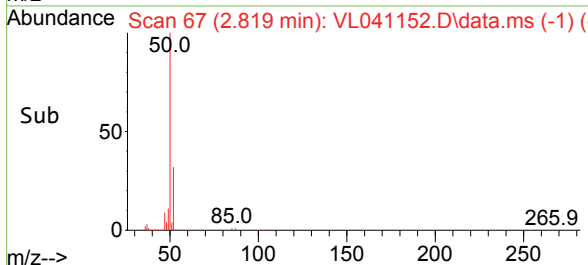
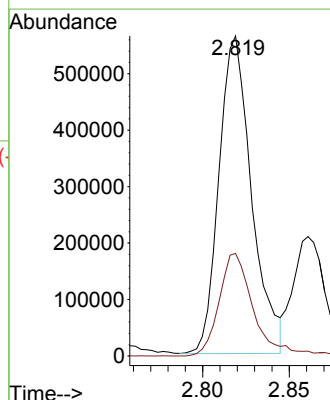
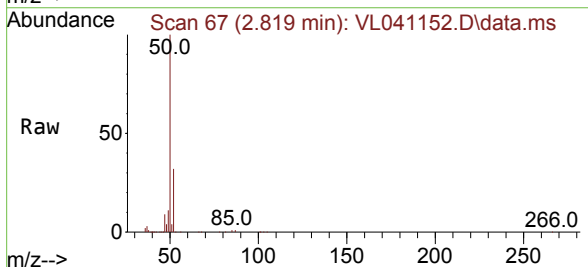
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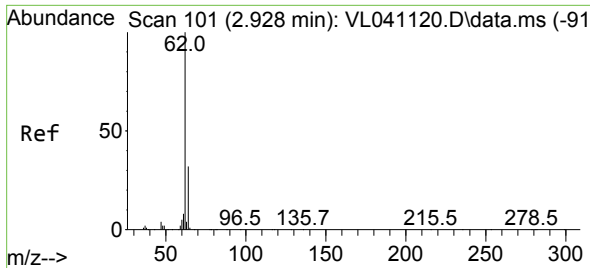
Tgt Ion: 51 Resp: 1903850
 Ion Ratio Lower Upper
 51 100
 67 18.8 14.9 22.3



#4
 Chloromethane
 Concen: 10.367 ppbv
 RT: 2.819 min Scan# 67
 Delta R.T. 0.000 min
 Lab File: VL041152.D
 Acq: 23 Apr 2024 8:58

Tgt Ion: 50 Resp: 738681
 Ion Ratio Lower Upper
 50 100
 52 32.3 26.0 39.0

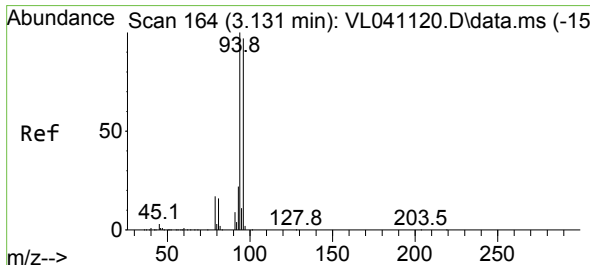
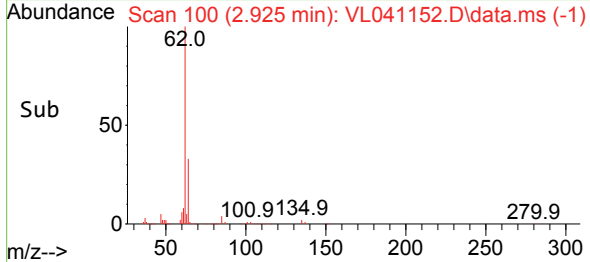
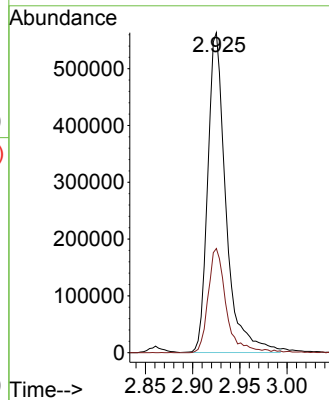
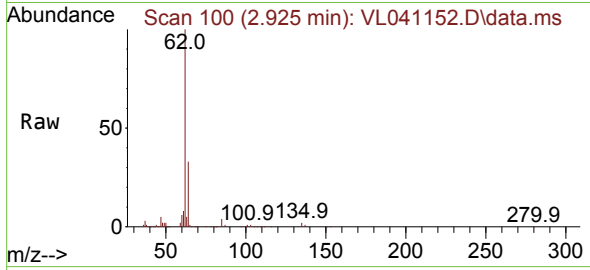




#5
 Vinyl Chloride
 Concen: 10.958 ppbv
 RT: 2.925 min Scan# 101
 Delta R.T. 0.000 min
 Lab File: VL041152.D
 Acq: 23 Apr 2024 8:58

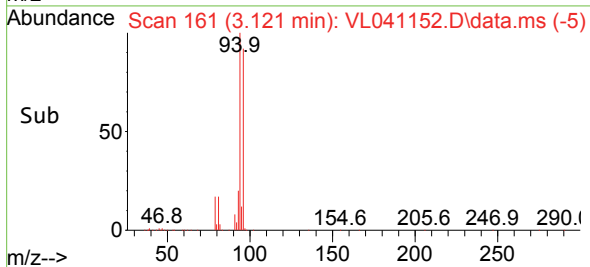
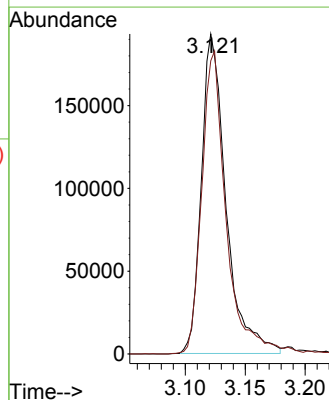
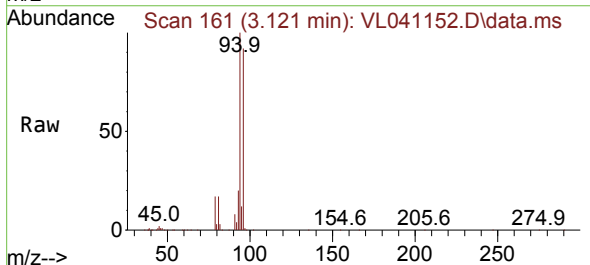
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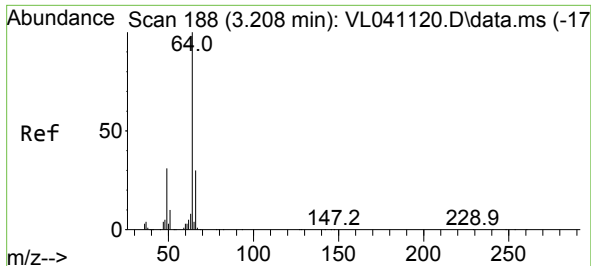
Tgt Ion: 62 Resp: 754239
 Ion Ratio Lower Upper
 62 100
 64 32.6 25.6 38.4



#6
 Bromomethane
 Concen: 10.662 ppbv
 RT: 3.121 min Scan# 161
 Delta R.T. 0.000 min
 Lab File: VL041152.D
 Acq: 23 Apr 2024 8:58

Tgt Ion: 94 Resp: 276227
 Ion Ratio Lower Upper
 94 100
 96 91.3 77.9 116.9

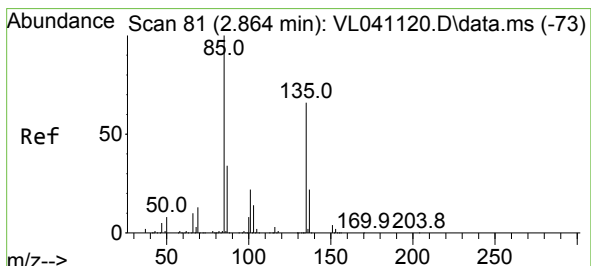
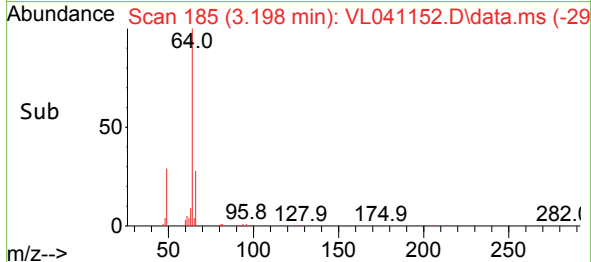
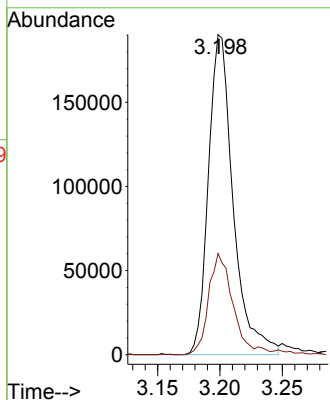
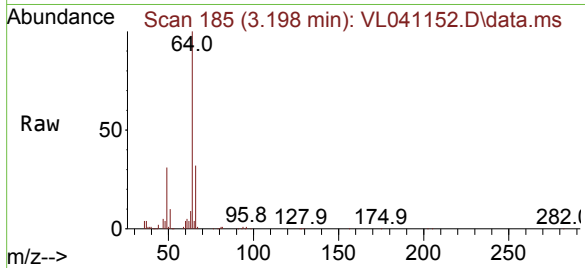




#7
Chloroethane
Concen: 10.435 ppbv
RT: 3.198 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL041152.D
Acq: 23 Apr 2024 8:58

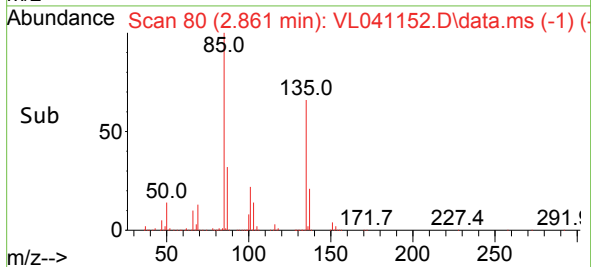
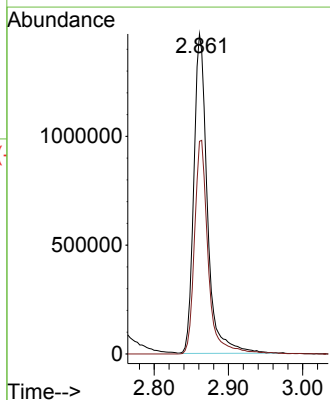
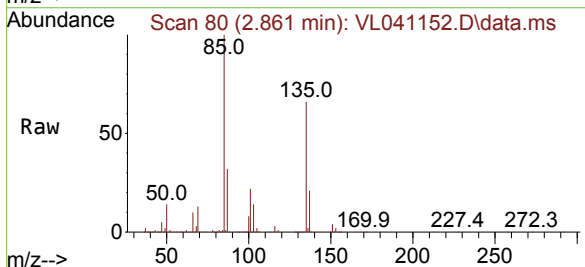
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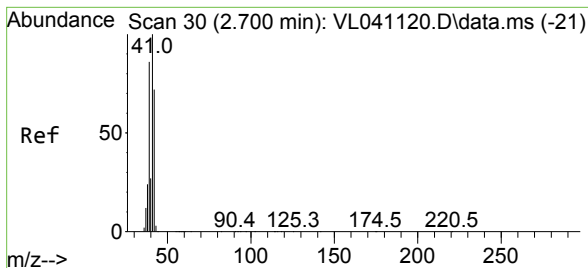
Tgt Ion: 64 Resp: 263591
Ion Ratio Lower Upper
64 100
66 31.6 24.2 36.4



#8
Dichlorotetrafluoroethane
Concen: 10.509 ppbv
RT: 2.861 min Scan# 80
Delta R.T. 0.000 min
Lab File: VL041152.D
Acq: 23 Apr 2024 8:58

Tgt Ion: 85 Resp: 1874463
Ion Ratio Lower Upper
85 100
135 67.7 54.2 81.2





#9

Propene

Concen: 10.646 ppbv

RT: 2.700 min Scan# 30

Delta R.T. 0.000 min

Lab File: VL041152.D

Acq: 23 Apr 2024 8:58

Instrument :

MSVOA_L

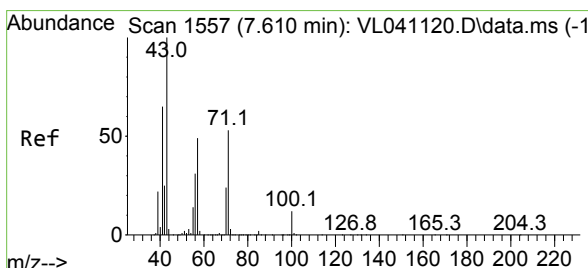
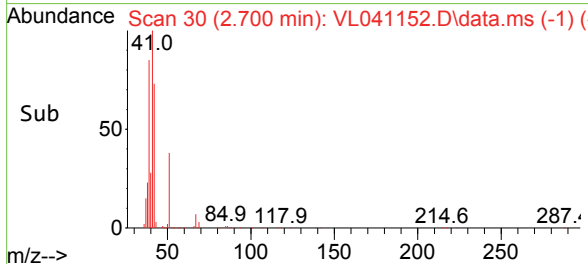
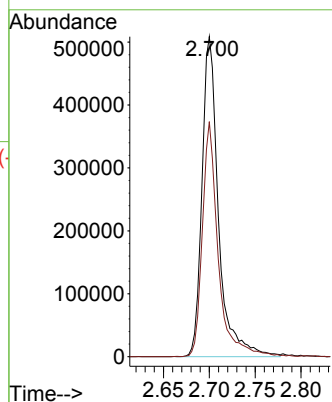
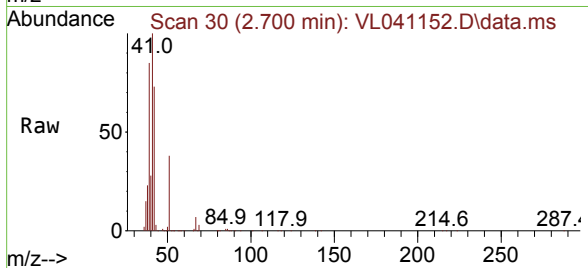
ClientSampleId :

Tgt Ion: 41 Resp: 637657

Ion Ratio Lower Upper

41 100

42 70.7 60.1 90.1



#10

Heptane

Concen: 11.255 ppbv

RT: 7.574 min Scan# 1546

Delta R.T. 0.000 min

Lab File: VL041152.D

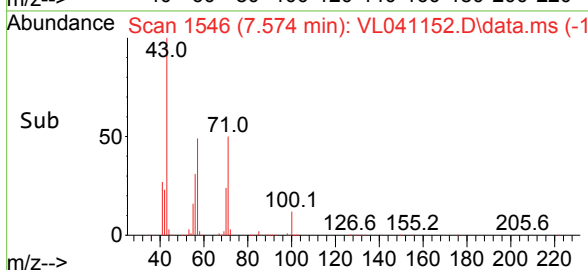
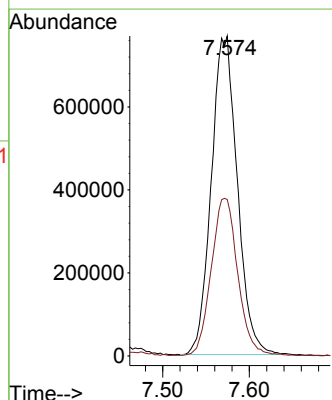
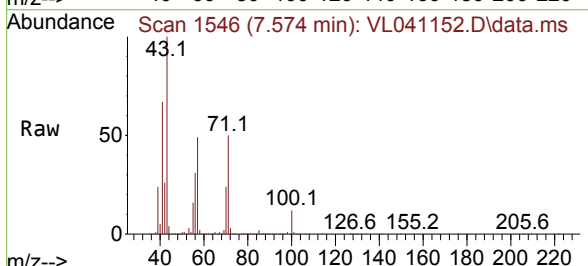
Acq: 23 Apr 2024 8:58

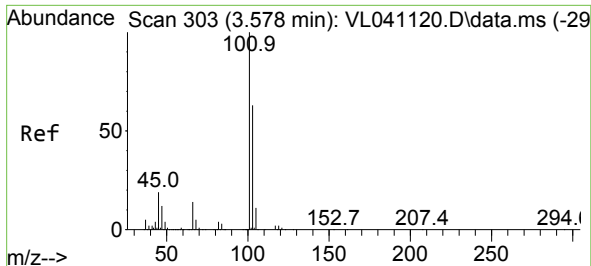
Tgt Ion: 43 Resp: 1600502

Ion Ratio Lower Upper

43 100

57 50.6 39.9 59.9

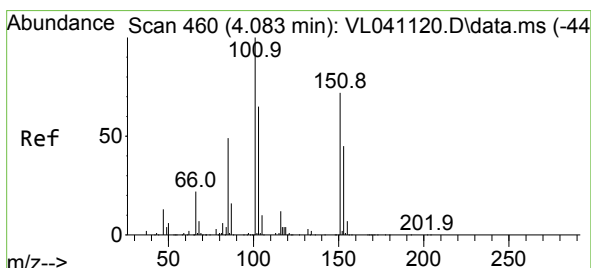
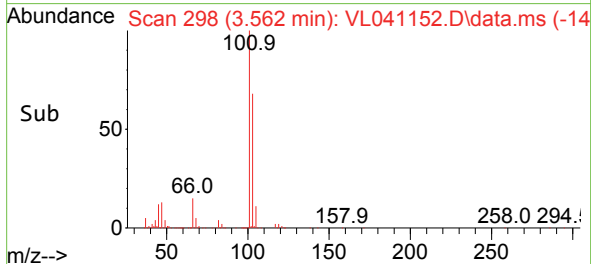
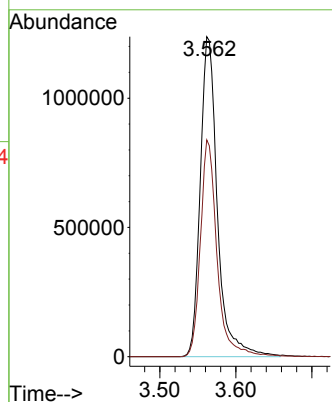
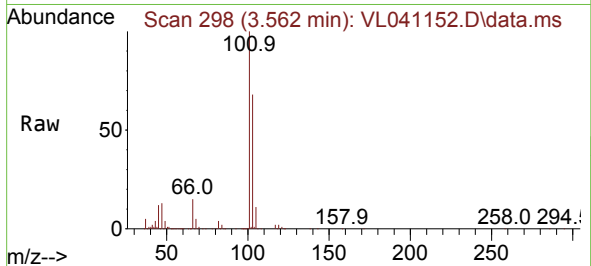




#11
 Trichlorofluoromethane
 Concen: 10.220 ppbv
 RT: 3.562 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: VL041152.D
 Acq: 23 Apr 2024 8:58

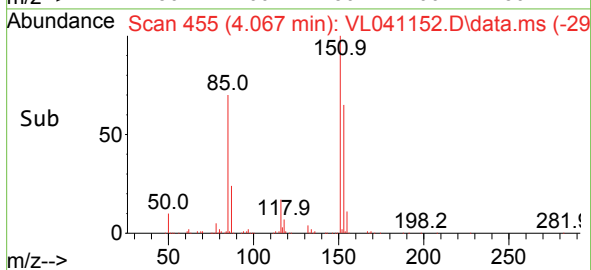
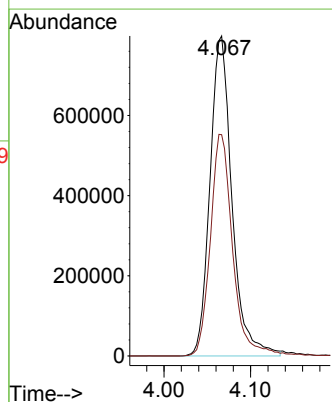
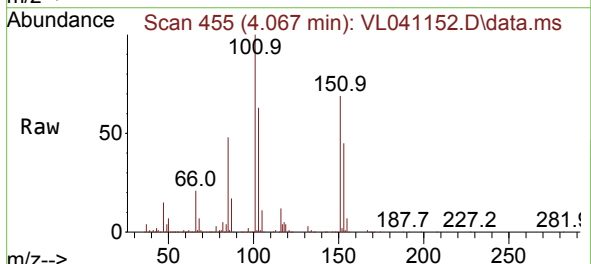
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 MSVOA_L
 ClientSampleId :

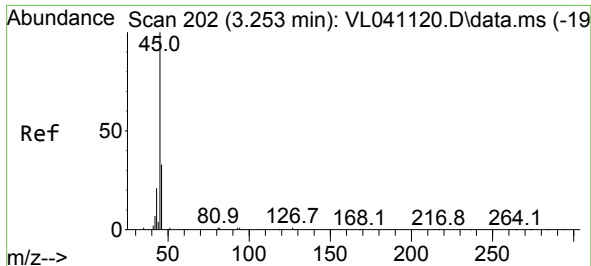
Tgt Ion:101 Resp: 1937848
 Ion Ratio Lower Upper
 101 100
 103 67.8 50.6 75.8



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.269 ppbv
 RT: 4.067 min Scan# 455
 Delta R.T. 0.000 min
 Lab File: VL041152.D
 Acq: 23 Apr 2024 8:58

Tgt Ion:101 Resp: 1409294
 Ion Ratio Lower Upper
 101 100
 151 70.5 56.2 84.4

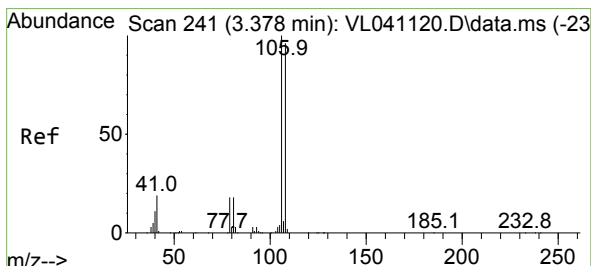
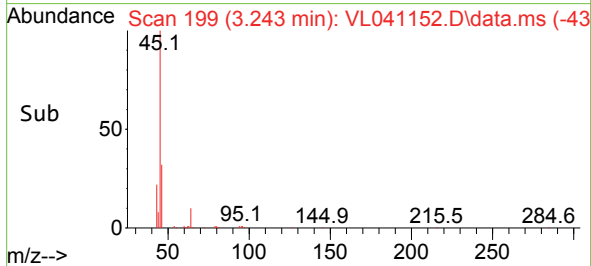
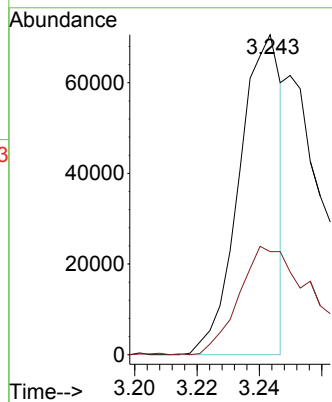
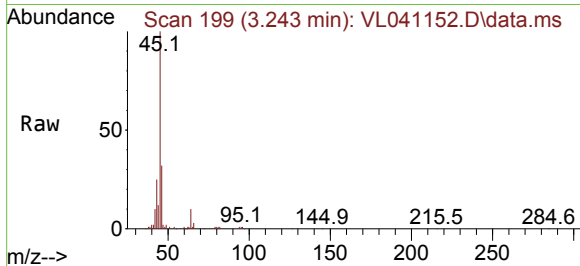




#13
 Ethanol
 Concen: 4.611 ppbv
 RT: 3.243 min Scan# 199
 Delta R.T. 0.000 min
 Lab File: VL041152.D
 Acq: 23 Apr 2024 8:58

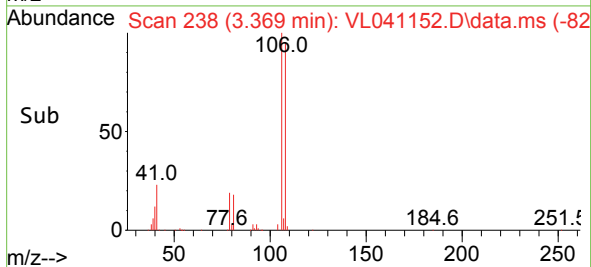
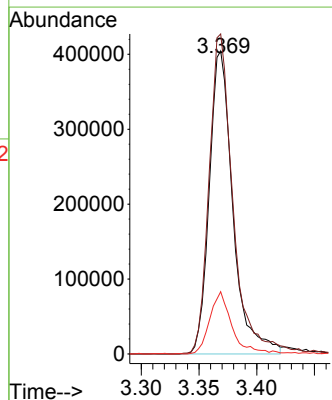
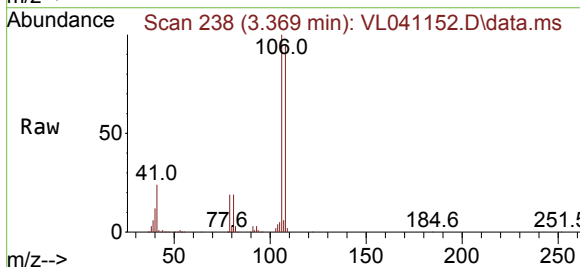
Instrument :
 MSVOA_L
 ClientSampleId :

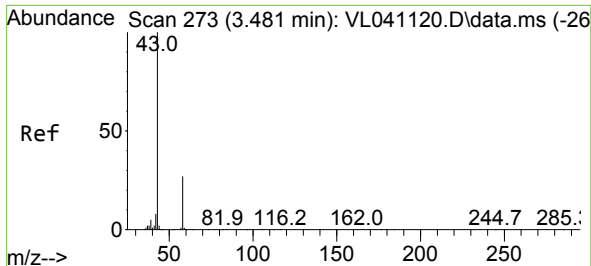
Tgt Ion: 45 Resp: 65694
 Ion Ratio Lower Upper
 45 100
 46 75.5 15.0 59.8#



#14
 Bromoethene
 Concen: 10.635 ppbv
 RT: 3.369 min Scan# 238
 Delta R.T. 0.000 min
 Lab File: VL041152.D
 Acq: 23 Apr 2024 8:58

Tgt Ion: 108 Resp: 574906
 Ion Ratio Lower Upper
 108 100
 106 108.9 86.0 129.0
 79 20.1 15.4 23.2

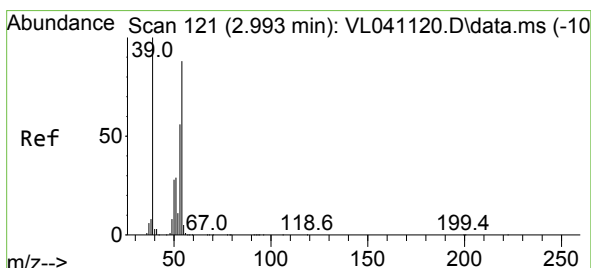
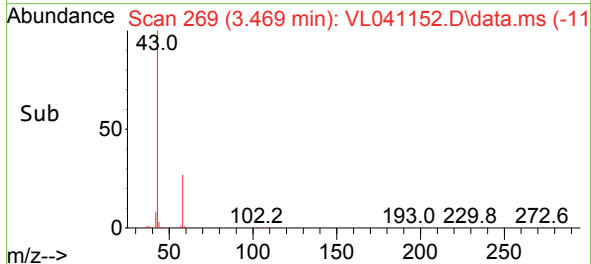
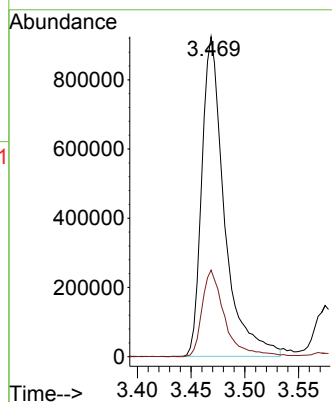
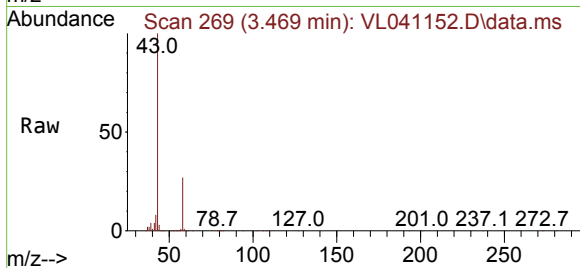




#15
Acetone
Concen: 10.233 ppbv
RT: 3.469 min Scan# 20
Delta R.T. 0.000 min
Lab File: VL041152.D
Acq: 23 Apr 2024 8:58

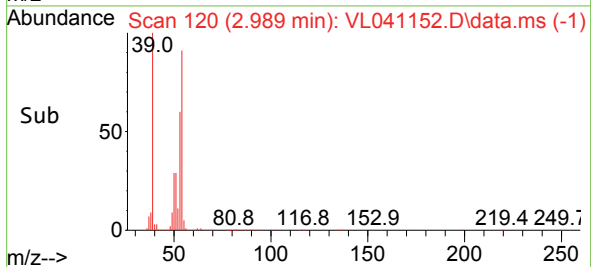
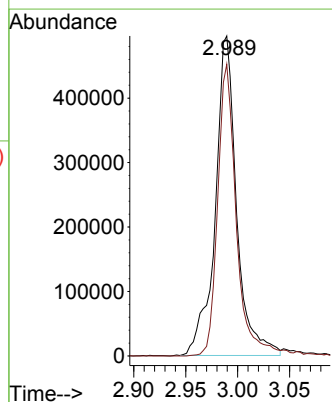
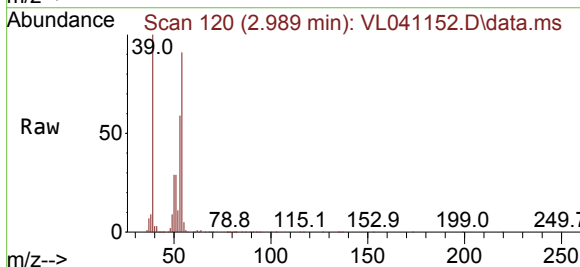
Instrument :
MSVOA_L
ClientSampleId :

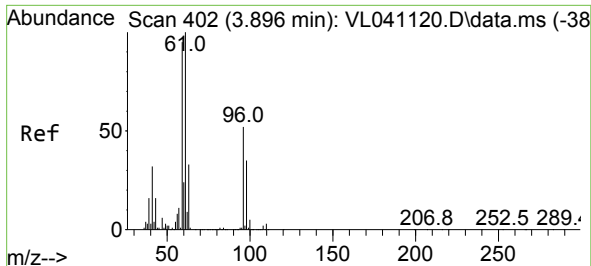
Tgt Ion: 43 Resp: 1354523
Ion Ratio Lower Upper
43 100
58 27.3 21.1 31.7



#16
1,3-Butadiene
Concen: 10.952 ppbv
RT: 2.989 min Scan# 120
Delta R.T. 0.000 min
Lab File: VL041152.D
Acq: 23 Apr 2024 8:58

Tgt Ion: 39 Resp: 711643
Ion Ratio Lower Upper
39 100
54 80.9 63.5 95.3





#17

tert-Butyl alcohol

Concen: 10.545 ppbv

RT: 3.877 min Scan# 396

Delta R.T. 0.000 min

Lab File: VL041152.D

Acq: 23 Apr 2024 8:58

Instrument :

MSVOA_L

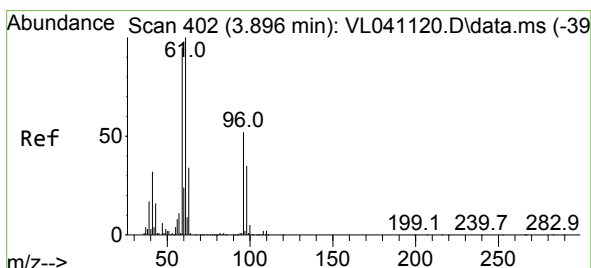
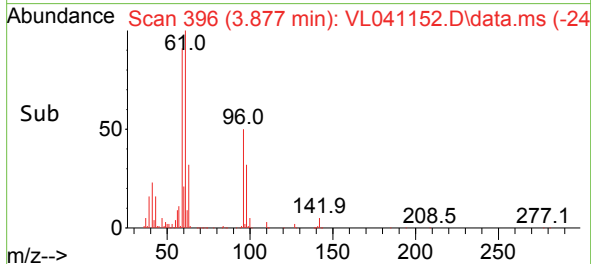
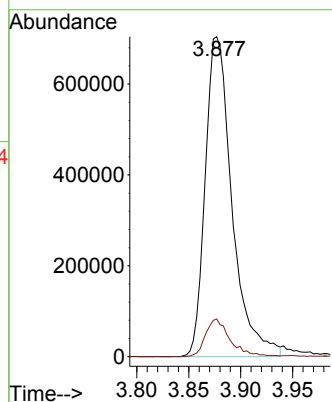
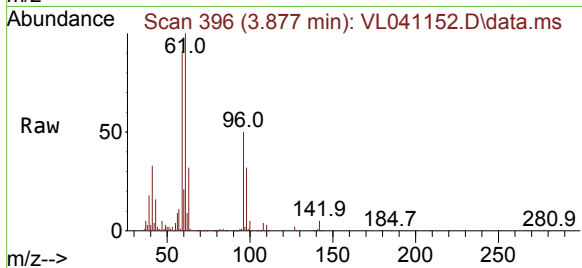
ClientSampleId :

Tgt Ion: 59 Resp: 1264062

Ion Ratio Lower Upper

59 100

57 11.2 8.7 13.1



#18

1,1-Dichloroethene

Concen: 10.813 ppbv

RT: 3.880 min Scan# 397

Delta R.T. 0.000 min

Lab File: VL041152.D

Acq: 23 Apr 2024 8:58

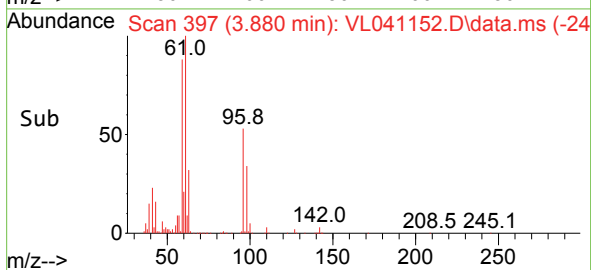
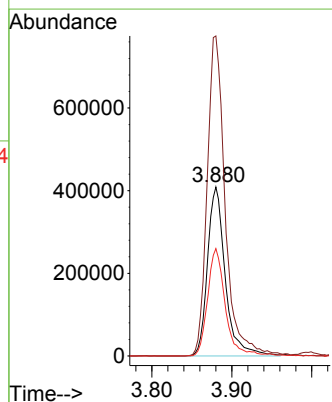
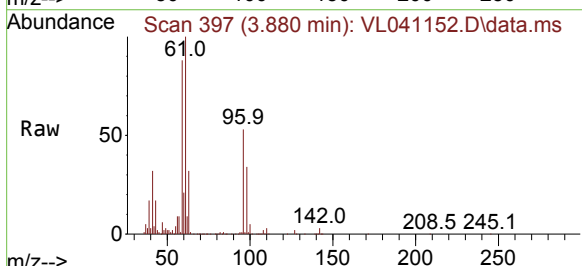
Tgt Ion: 96 Resp: 633568

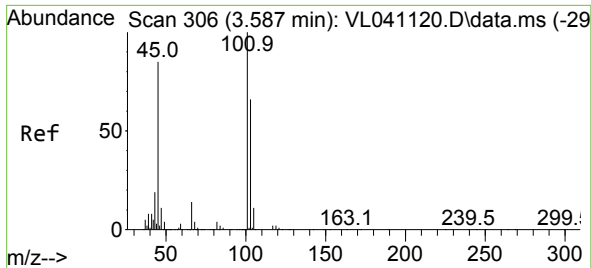
Ion Ratio Lower Upper

96 100

61 189.5 152.6 228.8

98 63.6 54.0 81.0

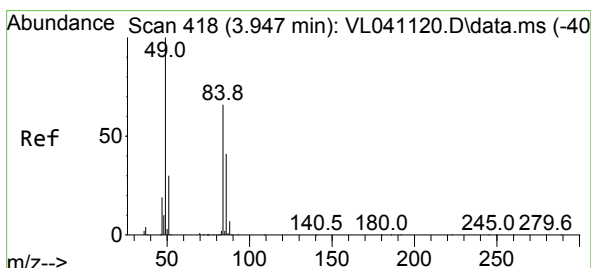
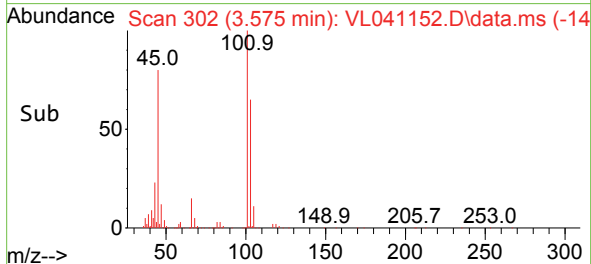
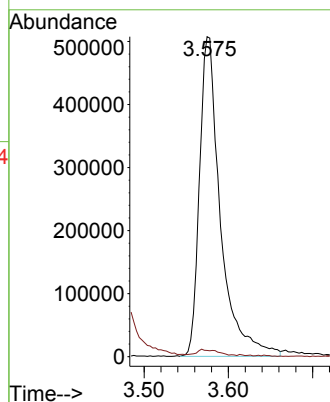
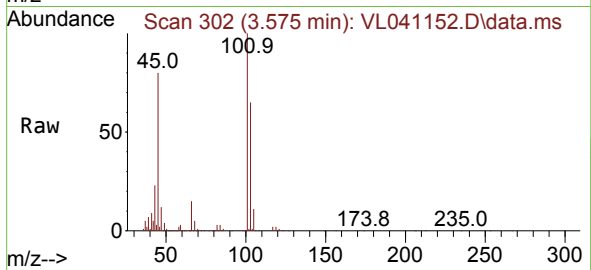




#19
Isopropyl Alcohol
Concen: 10.930 ppbv
RT: 3.575 min Scan# 306
Delta R.T. 0.000 min
Lab File: VL041152.D
Acq: 23 Apr 2024 8:58

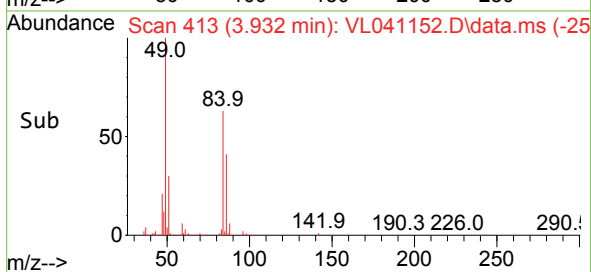
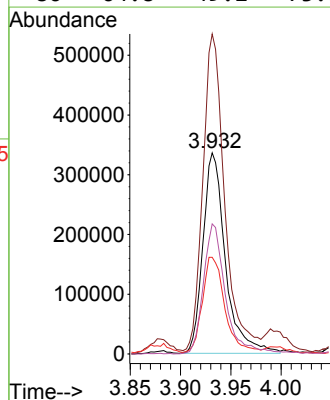
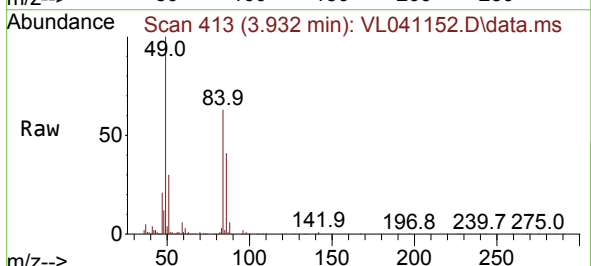
Instrument :
MSVOA_L
ClientSampleId :

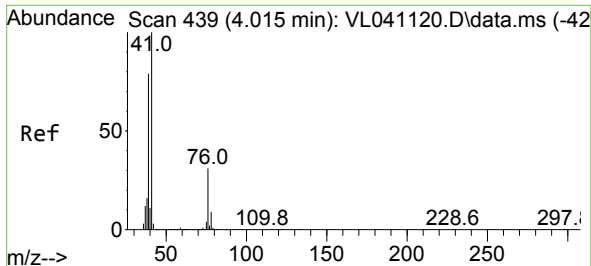
Tgt Ion: 45 Resp: 878842
Ion Ratio Lower Upper
45 100
58 3.0 2.8 4.2



#20
Methylene Chloride
Concen: 9.552 ppbv
RT: 3.932 min Scan# 413
Delta R.T. 0.000 min
Lab File: VL041152.D
Acq: 23 Apr 2024 8:58

Tgt Ion: 84 Resp: 521451
Ion Ratio Lower Upper
84 100
49 157.7 120.7 181.1
51 47.2 36.6 54.8
86 64.8 49.2 73.8





#21

Allyl Chloride

Concen: 10.867 ppbv

RT: 3.996 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL041152.D

Acq: 23 Apr 2024 8:58

Instrument :

MSVOA_L

ClientSampleId :

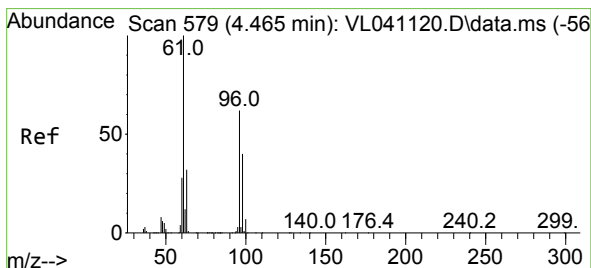
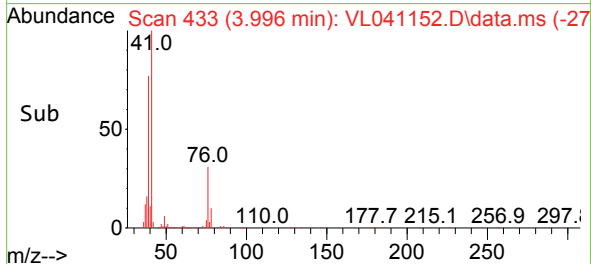
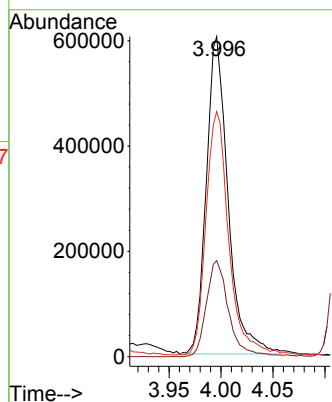
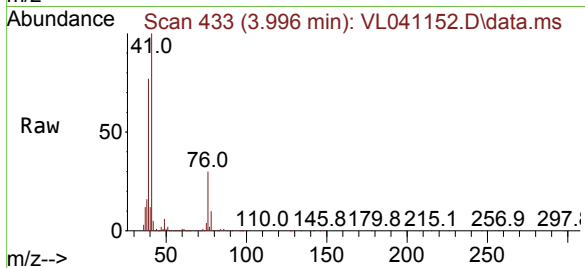
Tgt Ion: 41 Resp: 876441

Ion Ratio Lower Upper

41 100

76 31.3 25.7 38.5

39 81.7 65.7 98.5



#22

trans-1,2-Dichloroethene

Concen: 10.532 ppbv

RT: 4.443 min Scan# 572

Delta R.T. 0.000 min

Lab File: VL041152.D

Acq: 23 Apr 2024 8:58

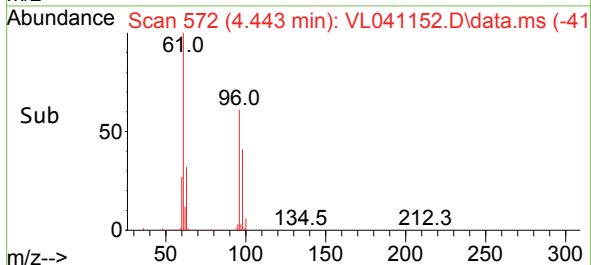
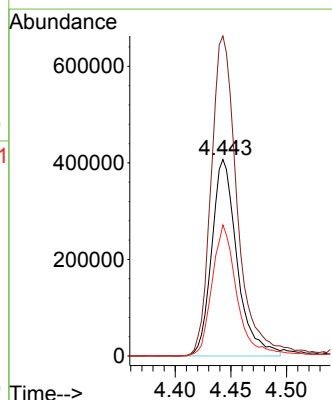
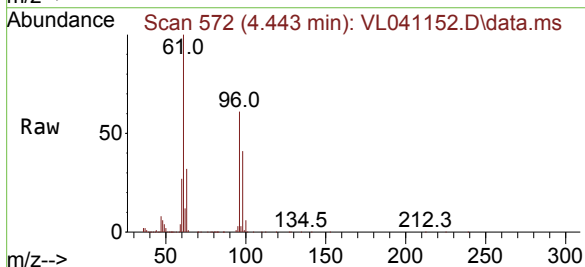
Tgt Ion: 96 Resp: 646962

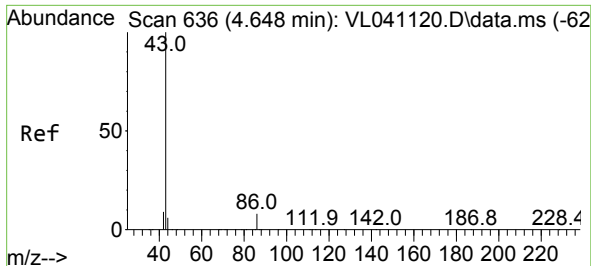
Ion Ratio Lower Upper

96 100

61 162.8 128.4 192.6

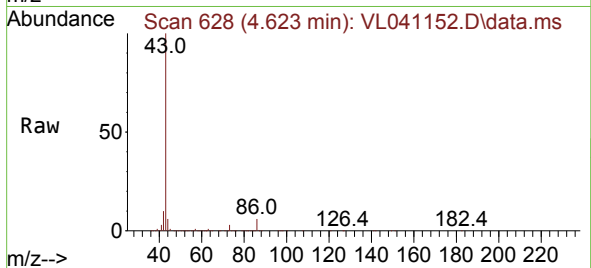
98 66.7 51.5 77.3





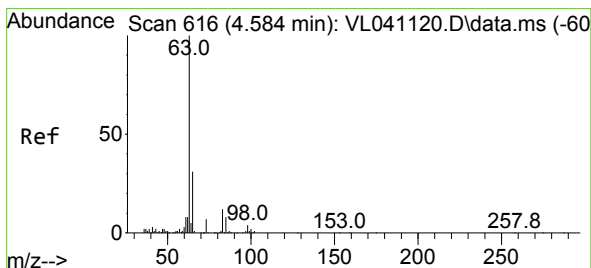
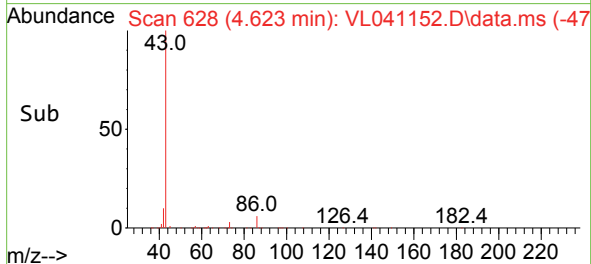
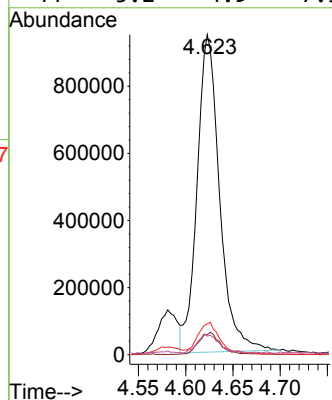
#23
 Vinyl Acetate
 Concen: 11.597 ppbv
 RT: 4.623 min Scan# 610
 Delta R.T. 0.000 min
 Lab File: VL041152.D
 Acq: 23 Apr 2024 8:58

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion: 43 Resp: 1568147

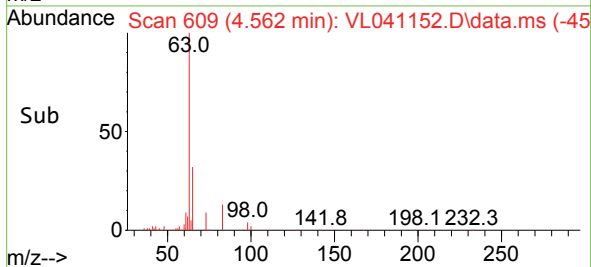
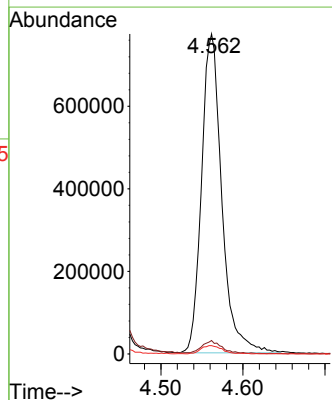
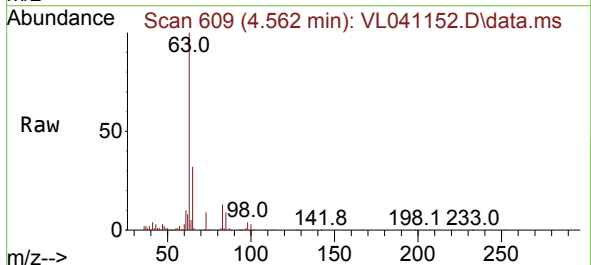
Ion	Ratio	Lower	Upper
43	100		
86	6.3	6.2	9.4
42	9.6	7.7	11.5
44	5.2	4.9	7.3

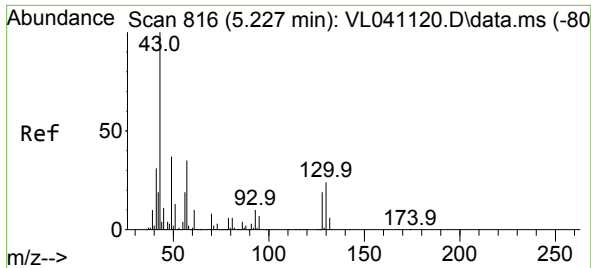


#24
 1,1-Dichloroethane
 Concen: 10.762 ppbv
 RT: 4.562 min Scan# 609
 Delta R.T. 0.000 min
 Lab File: VL041152.D
 Acq: 23 Apr 2024 8:58

Tgt Ion: 63 Resp: 1324003

Ion	Ratio	Lower	Upper
63	100		
98	4.0	2.1	6.3
100	2.6	1.1	3.3





#25

Ethyl Acetate

Concen: 10.732 ppbv

RT: 5.198 min Scan# 80

Delta R.T. 0.000 min

Lab File: VL041152.D

Acq: 23 Apr 2024 8:58

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 43 Resp: 2667616

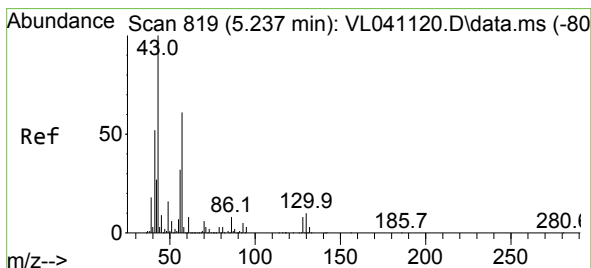
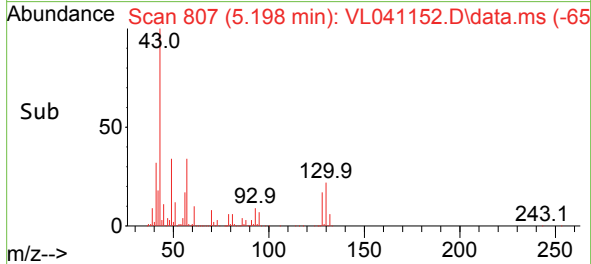
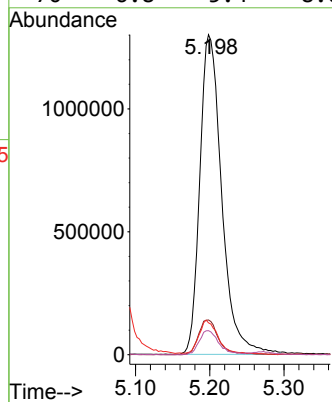
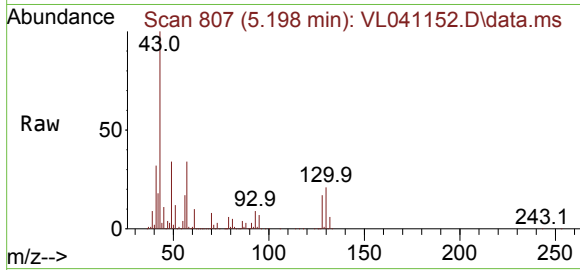
Ion Ratio Lower Upper

43 100

45 10.1 8.0 12.0

61 9.6 7.8 11.6

70 6.8 5.4 8.0



#26

Hexane

Concen: 10.387 ppbv

RT: 5.208 min Scan# 810

Delta R.T. 0.000 min

Lab File: VL041152.D

Acq: 23 Apr 2024 8:58

Tgt Ion: 57 Resp: 1158557

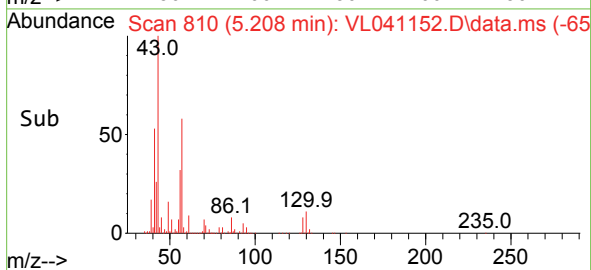
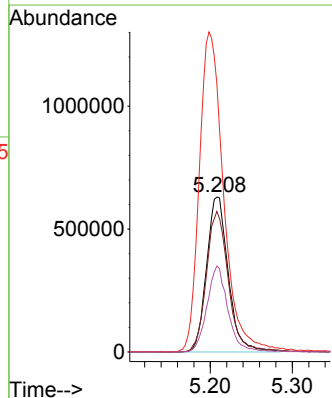
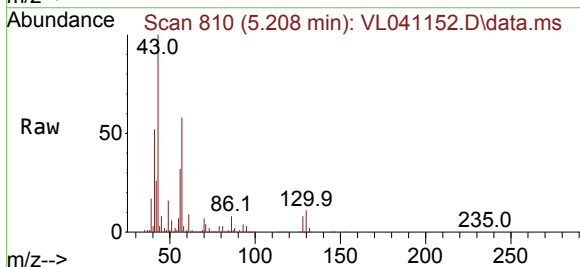
Ion Ratio Lower Upper

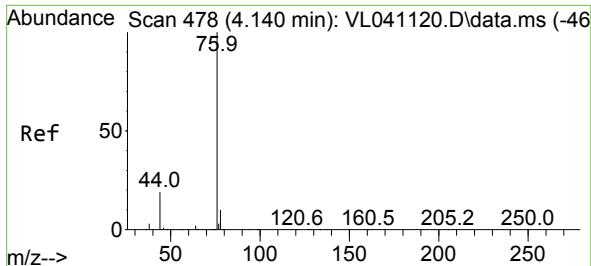
57 100

41 92.7 73.8 110.8

43 231.3 186.2 279.2

56 53.8 43.1 64.7





#27

Carbon Disulfide

Concen: 11.227 ppbv

RT: 4.124 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL041152.D

Acq: 23 Apr 2024 8:58

Instrument :

MSVOA_L

ClientSampleId :

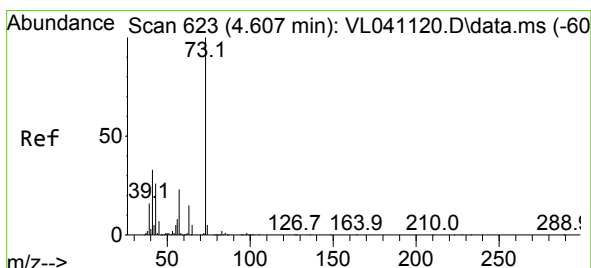
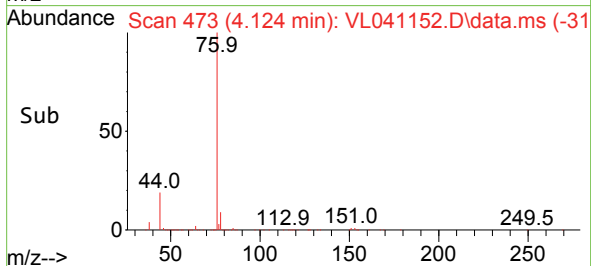
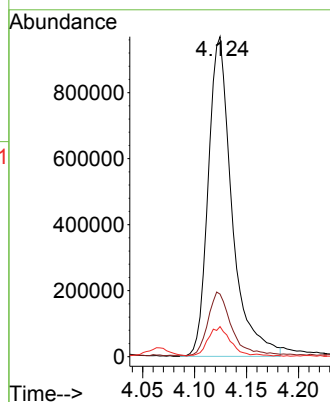
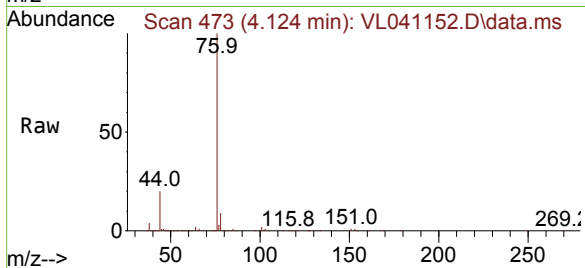
Tgt Ion: 76 Resp: 1534393

Ion Ratio Lower Upper

76 100

44 20.8 16.3 24.5

78 9.4 7.9 11.9



#28

Methyl tert-Butyl Ether

Concen: 10.729 ppbv

RT: 4.584 min Scan# 616

Delta R.T. 0.000 min

Lab File: VL041152.D

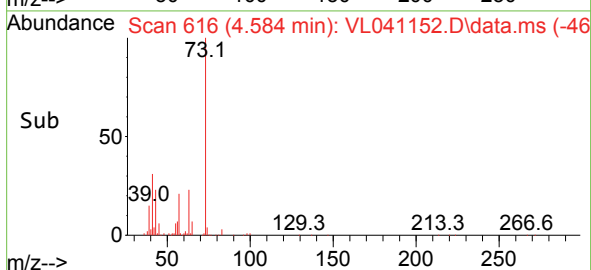
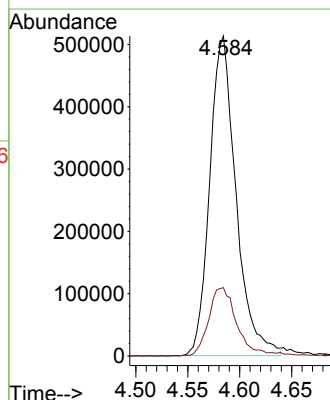
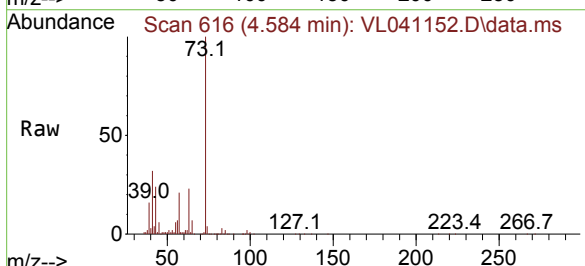
Acq: 23 Apr 2024 8:58

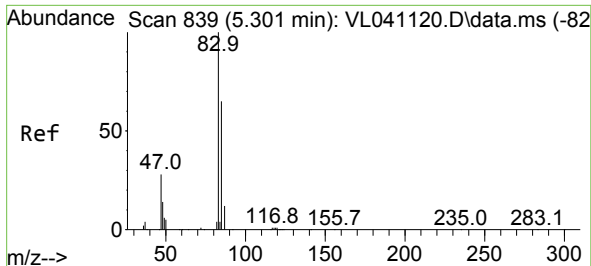
Tgt Ion: 73 Resp: 903061

Ion Ratio Lower Upper

73 100

57 23.3 18.6 27.8





#29

Chloroform

Concen: 10.393 ppbv

RT: 5.269 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL041152.D

Acq: 23 Apr 2024 8:58

Instrument :

MSVOA_L

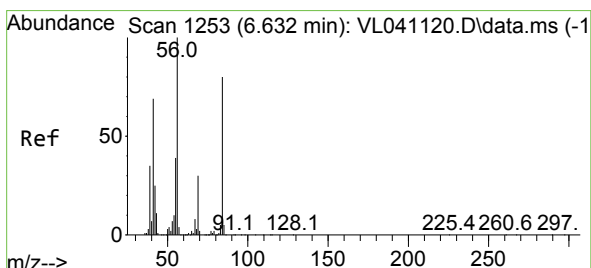
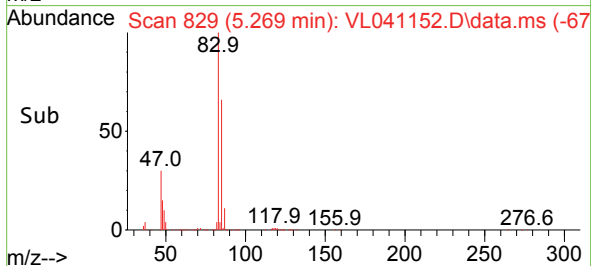
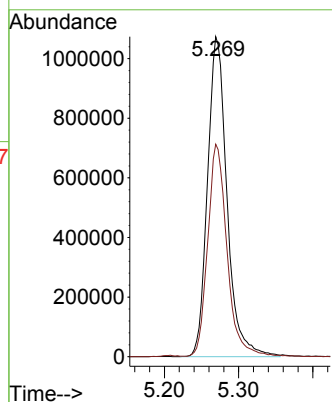
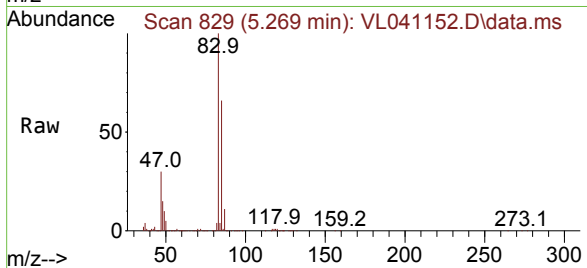
ClientSampleId :

Tgt Ion: 83 Resp: 1954144

Ion Ratio Lower Upper

83 100

85 66.2 51.5 77.3



#30

Cyclohexane

Concen: 10.967 ppbv

RT: 6.594 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VL041152.D

Acq: 23 Apr 2024 8:58

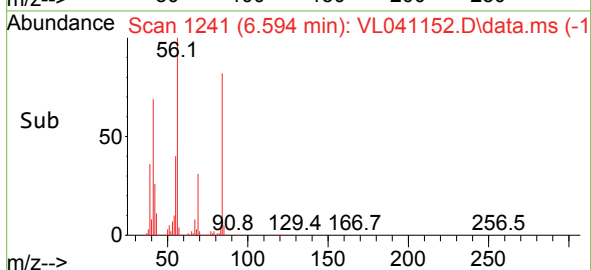
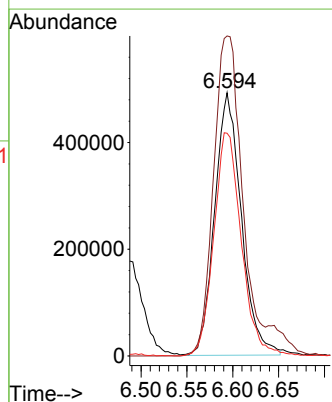
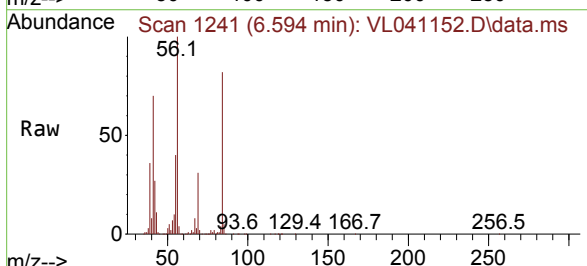
Tgt Ion: 84 Resp: 996383

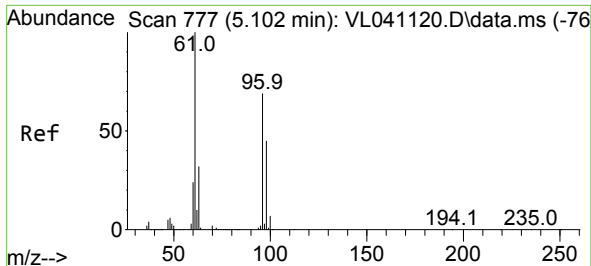
Ion Ratio Lower Upper

84 100

56 138.5 111.9 167.9

41 87.9 71.0 106.6

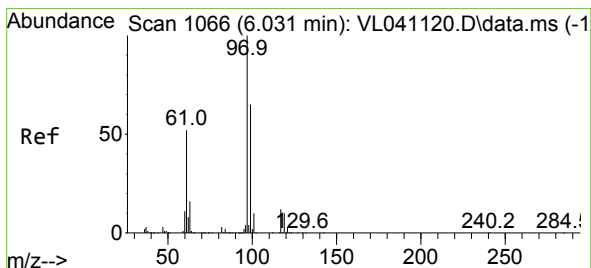
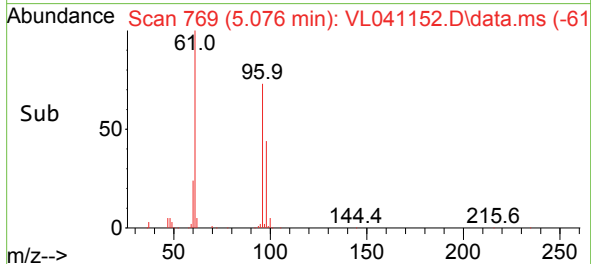
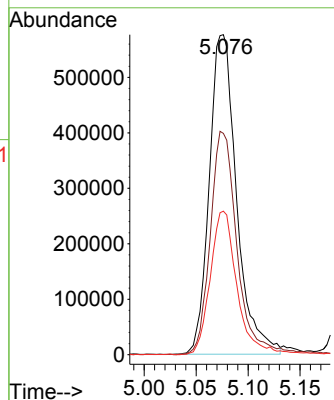
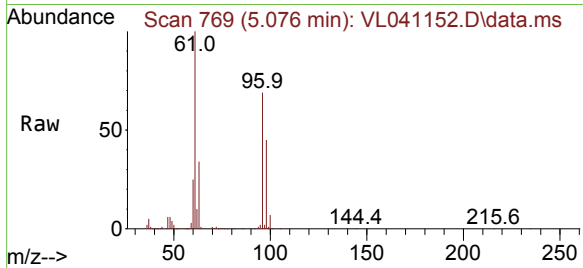




#31
 cis-1,2-Dichloroethene
 Concen: 9.960 ppbv
 RT: 5.076 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VL041152.D
 Acq: 23 Apr 2024 8:58

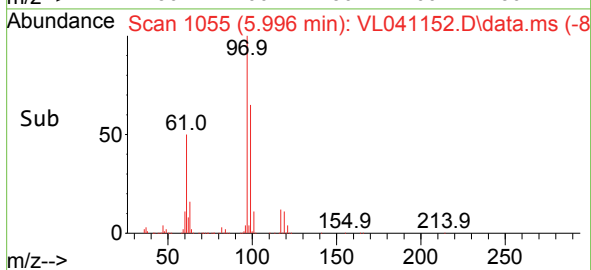
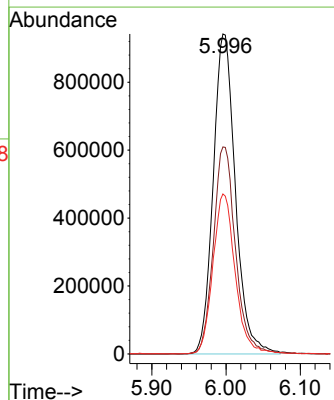
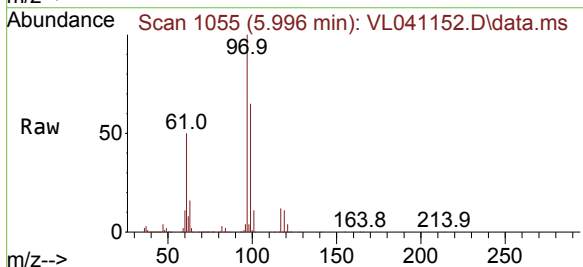
Instrument :
 MSVOA_L
 ClientSampleId :

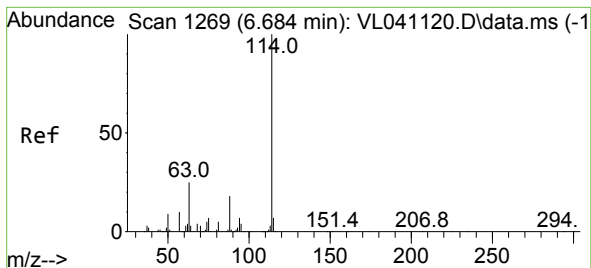
Tgt Ion: 61 Resp: 1051489
 Ion Ratio Lower Upper
 61 100
 96 69.0 54.9 82.3
 98 44.9 35.9 53.9



#32
 1,1,1-Trichloroethane
 Concen: 11.269 ppbv
 RT: 5.996 min Scan# 1055
 Delta R.T. 0.000 min
 Lab File: VL041152.D
 Acq: 23 Apr 2024 8:58

Tgt Ion: 97 Resp: 1958572
 Ion Ratio Lower Upper
 97 100
 99 64.6 52.0 78.0
 61 50.3 40.5 60.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.645 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL041152.D

Acq: 23 Apr 2024 8:58

Instrument :

MSVOA_L

ClientSampleId :

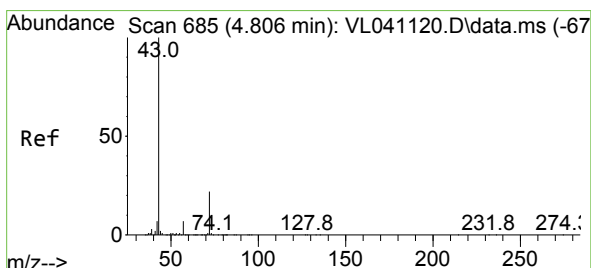
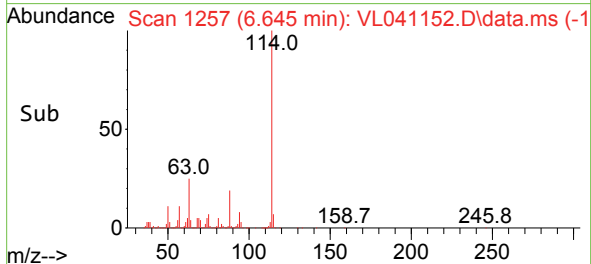
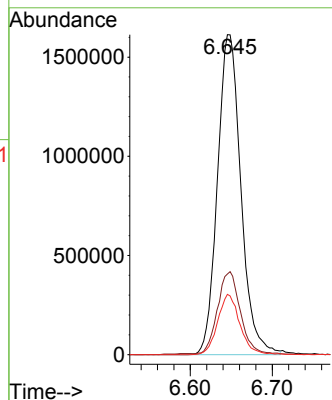
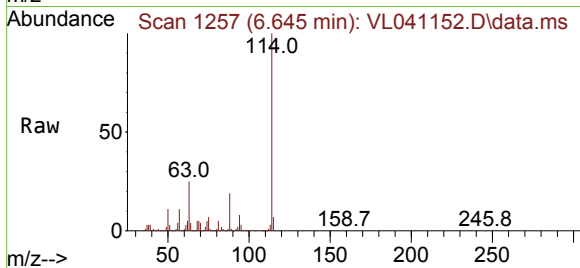
Tgt Ion:114 Resp: 3206603

Ion Ratio Lower Upper

114 100

63 26.0 20.9 31.3

88 18.0 14.5 21.7



#34

2-Butanone

Concen: 10.816 ppbv

RT: 4.780 min Scan# 677

Delta R.T. 0.000 min

Lab File: VL041152.D

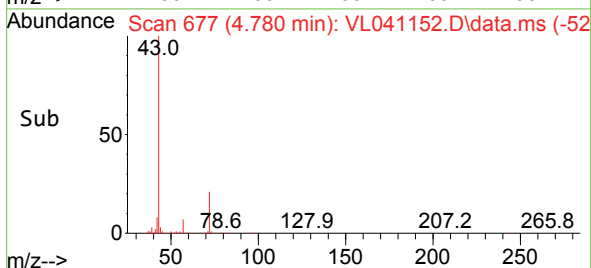
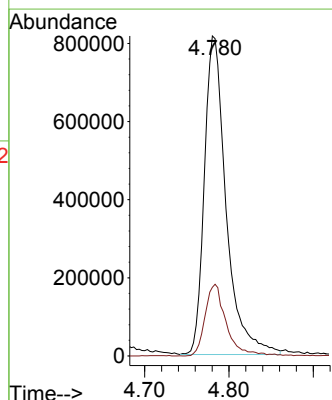
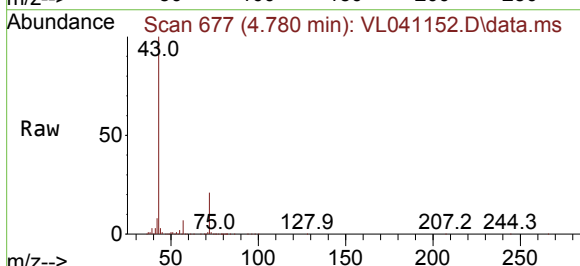
Acq: 23 Apr 2024 8:58

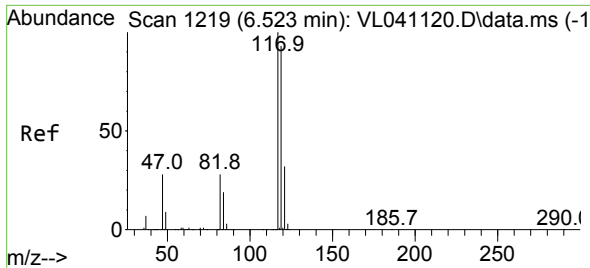
Tgt Ion: 43 Resp: 1467699

Ion Ratio Lower Upper

43 100

72 22.1 17.6 26.4

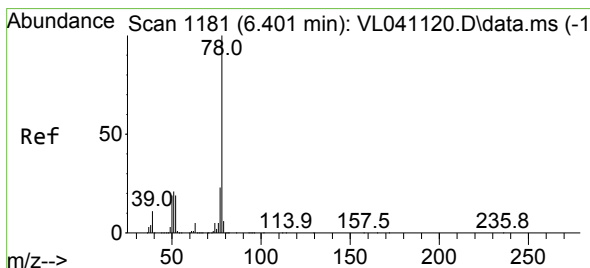
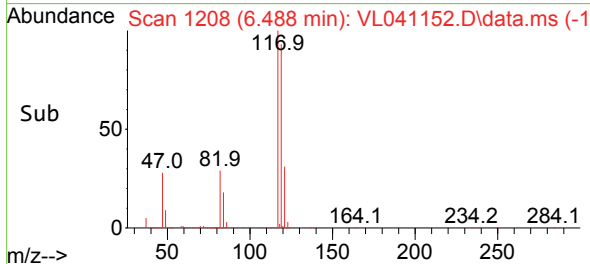
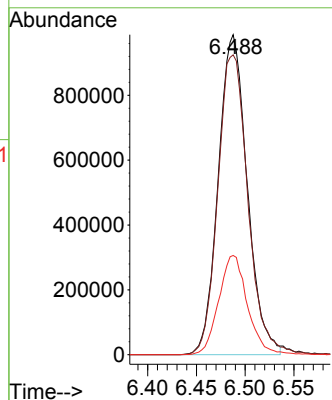
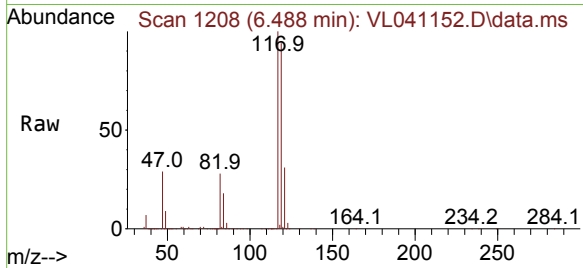




#35
Carbon Tetrachloride
Concen: 11.180 ppbv
RT: 6.488 min Scan# 1169
Delta R.T. 0.000 min
Lab File: VL041152.D
Acq: 23 Apr 2024 8:58

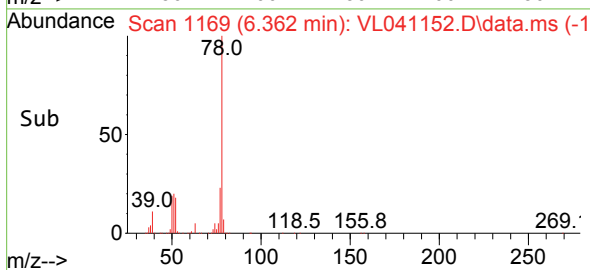
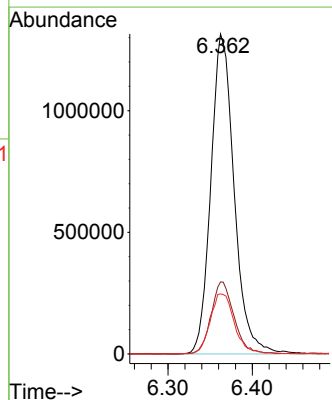
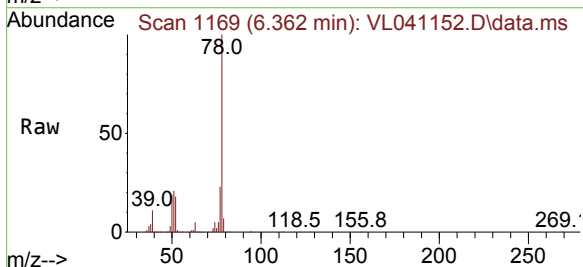
Instrument :
MSVOA_L
ClientSampleId :

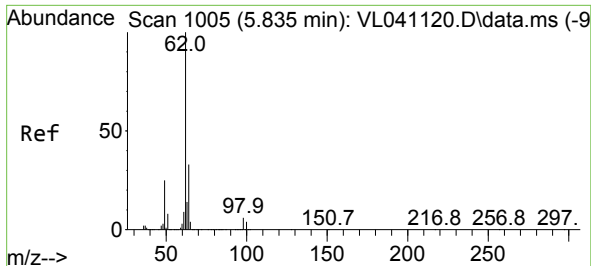
Tgt Ion:117 Resp: 2040978
Ion Ratio Lower Upper
117 100
119 93.7 74.2 111.4
121 31.0 25.4 38.2



#36
Benzene
Concen: 10.682 ppbv
RT: 6.362 min Scan# 1169
Delta R.T. 0.000 min
Lab File: VL041152.D
Acq: 23 Apr 2024 8:58

Tgt Ion: 78 Resp: 2515374
Ion Ratio Lower Upper
78 100
77 22.4 18.2 27.4
50 18.7 15.4 23.2





#37

1,2-Dichloroethane

Concen: 10.743 ppbv

RT: 5.800 min Scan# 91

Delta R.T. 0.000 min

Lab File: VL041152.D

Acq: 23 Apr 2024 8:58

Instrument :

MSVOA_L

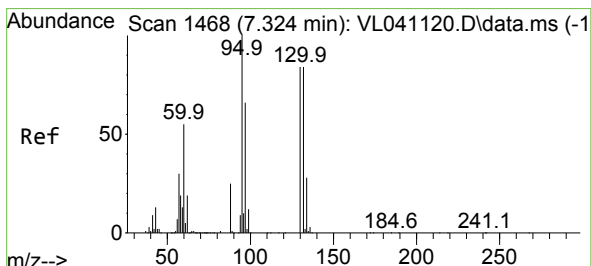
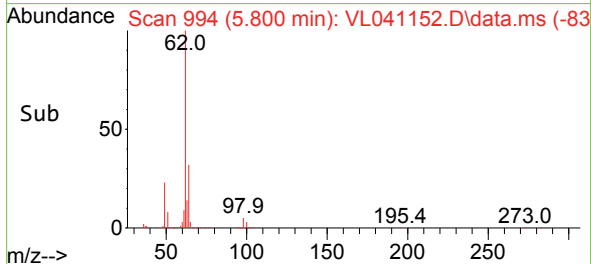
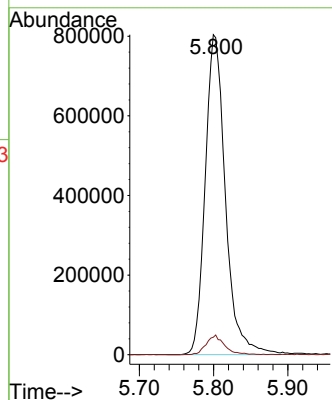
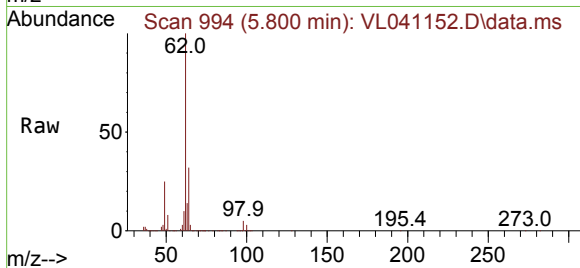
ClientSampleId :

Tgt Ion: 62 Resp: 1518835

Ion Ratio Lower Upper

62 100

98 5.6 4.6 7.0



#38

Trichloroethene

Concen: 11.526 ppbv

RT: 7.282 min Scan# 1455

Delta R.T. 0.000 min

Lab File: VL041152.D

Acq: 23 Apr 2024 8:58

Tgt Ion:130 Resp: 980522

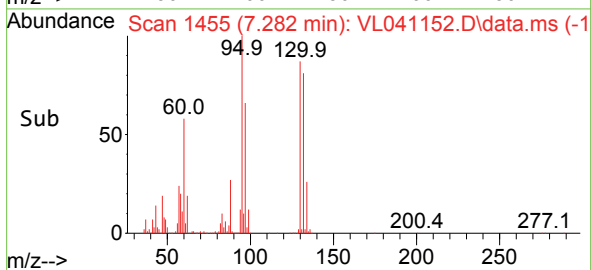
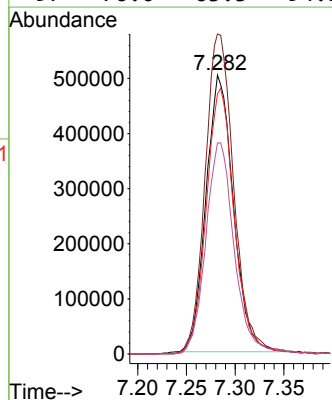
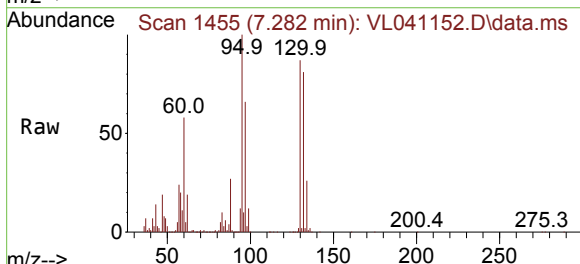
Ion Ratio Lower Upper

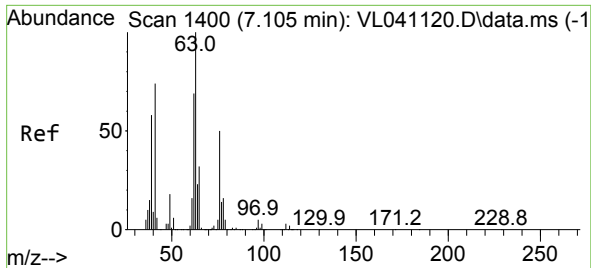
130 100

95 115.0 95.4 143.0

132 93.5 80.0 120.0

97 76.0 63.3 94.9





#39

1,2-Dichloropropane

Concen: 10.673 ppbv

RT: 7.063 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL041152.D

Acq: 23 Apr 2024 8:58

Instrument :

MSVOA_L

ClientSampleId :

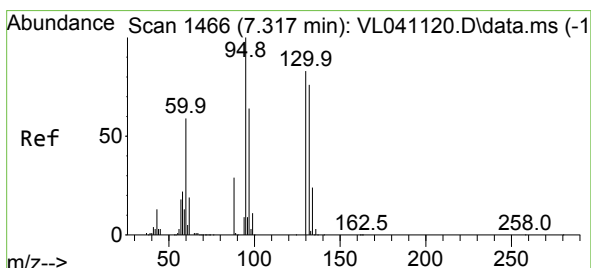
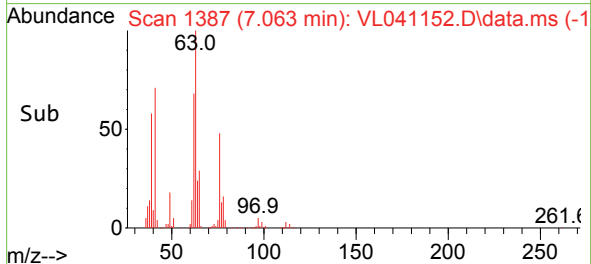
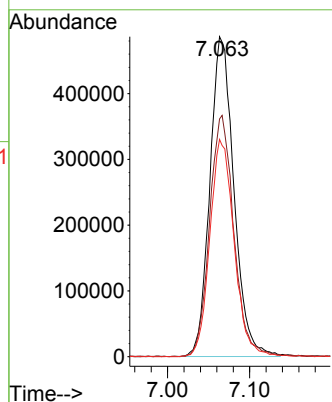
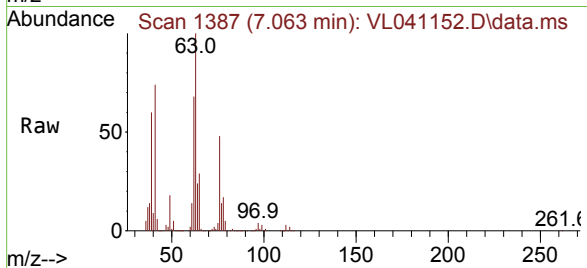
Tgt Ion: 63 Resp: 991001

Ion Ratio Lower Upper

63 100

41 74.3 58.7 88.1

62 67.8 55.5 83.3



#40

1,4-Dioxane

Concen: 11.240 ppbv

RT: 7.279 min Scan# 1454

Delta R.T. 0.000 min

Lab File: VL041152.D

Acq: 23 Apr 2024 8:58

Tgt Ion: 88 Resp: 363718

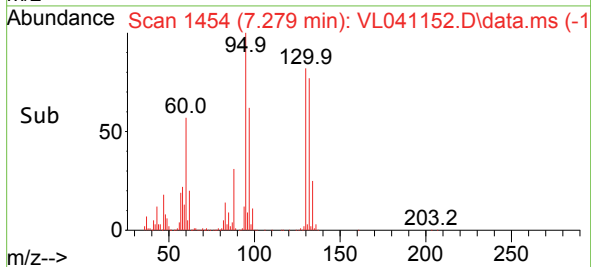
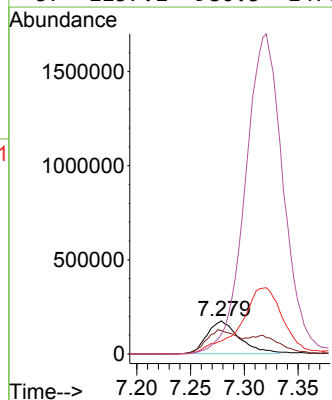
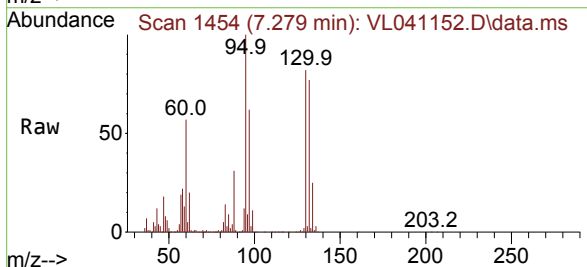
Ion Ratio Lower Upper

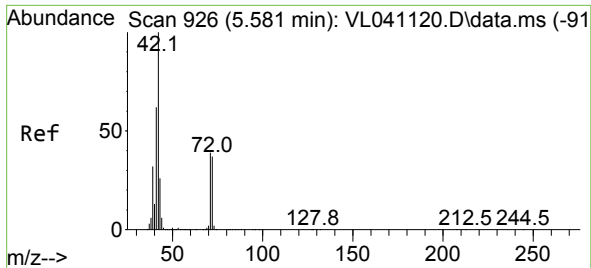
88 100

58 130.8 107.8 161.6

43 268.8 223.8 335.6

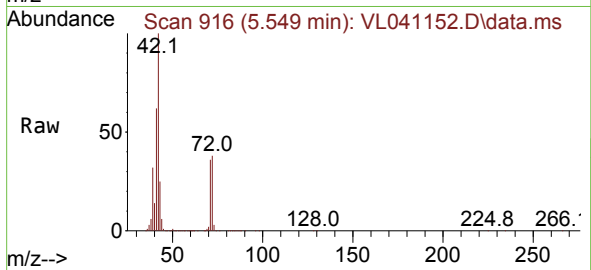
57 1157.1 980.5 1470.7



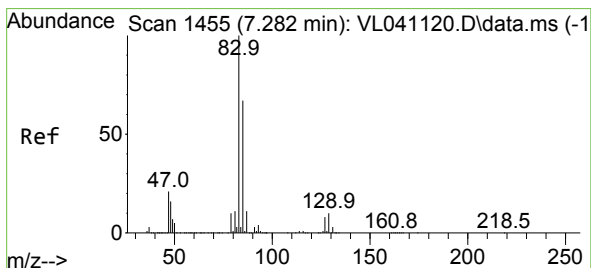
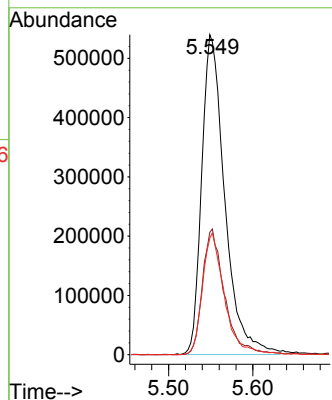
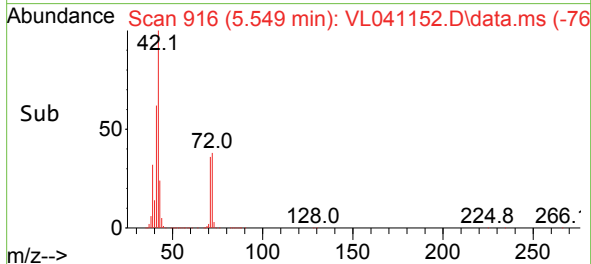


#41
Tetrahydrofuran
Concen: 11.354 ppbv
RT: 5.549 min Scan# 916
Delta R.T. 0.000 min
Lab File: VL041152.D
Acq: 23 Apr 2024 8:58

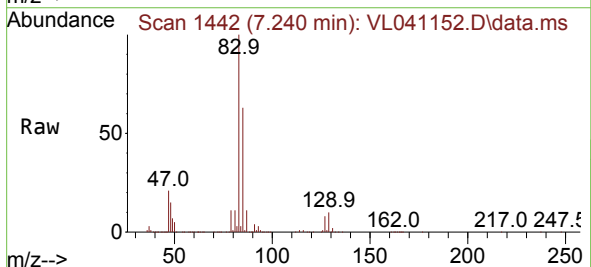
Instrument :
MSVOA_L
ClientSampleId :



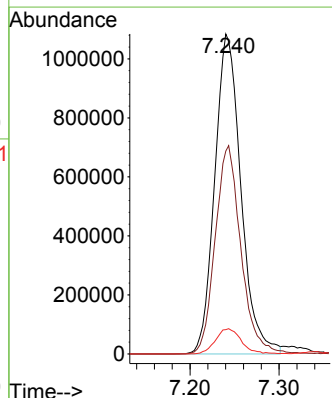
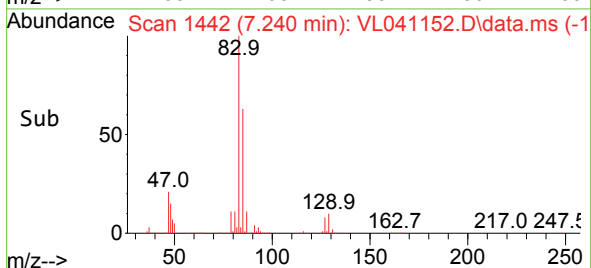
Tgt Ion: 42 Resp: 1025822
Ion Ratio Lower Upper
42 100
72 38.1 31.2 46.8
71 36.5 29.9 44.9

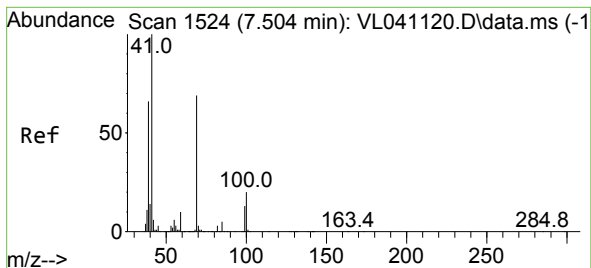


#42
Bromodichloromethane
Concen: 10.963 ppbv
RT: 7.240 min Scan# 1442
Delta R.T. 0.000 min
Lab File: VL041152.D
Acq: 23 Apr 2024 8:58



Tgt Ion: 83 Resp: 2214486
Ion Ratio Lower Upper
83 100
85 63.3 53.5 80.3
127 7.6 6.2 9.4





#43

Methyl Methacrylate

Concen: 11.808 ppbv

RT: 7.465 min Scan# 1

Delta R.T. 0.000 min

Lab File: VL041152.D

Acq: 23 Apr 2024 8:58

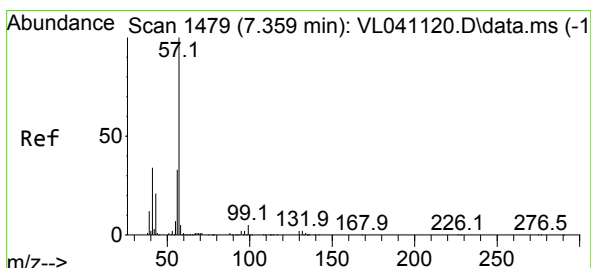
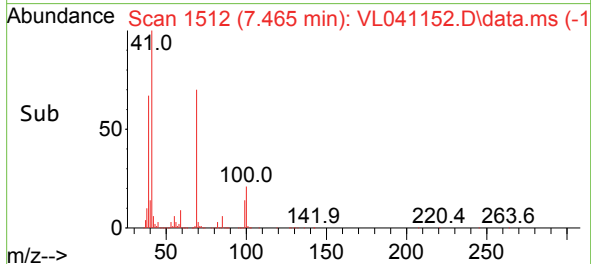
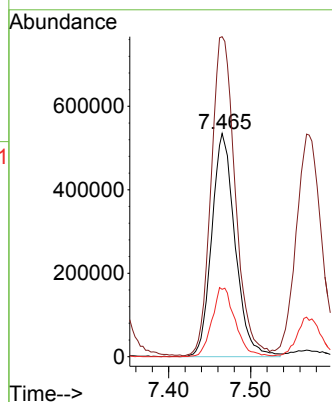
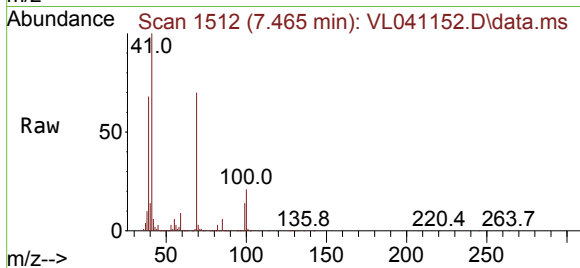
Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 69 Resp: 1059096

Ion	Ratio	Lower	Upper
69	100		
41	147.6	119.2	178.8
100	30.6	24.6	37.0



#44

2,2,4-Trimethylpentane

Concen: 10.757 ppbv

RT: 7.320 min Scan# 1467

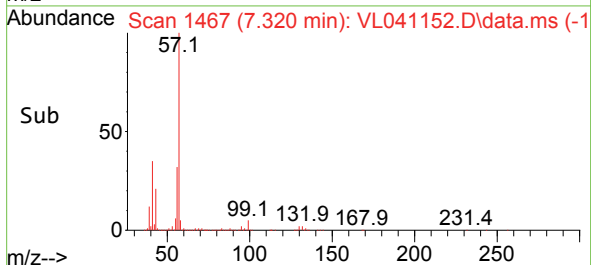
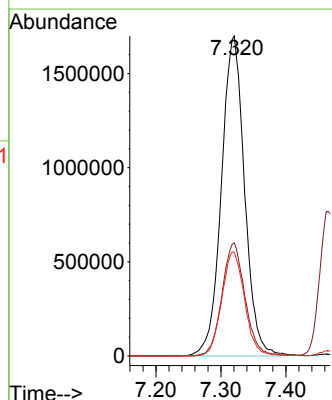
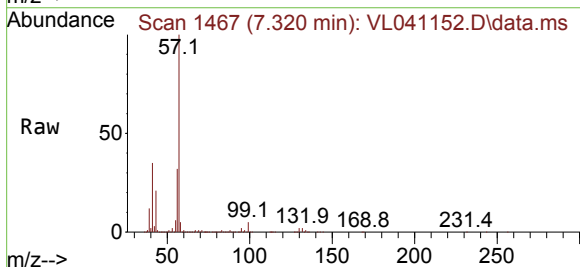
Delta R.T. 0.000 min

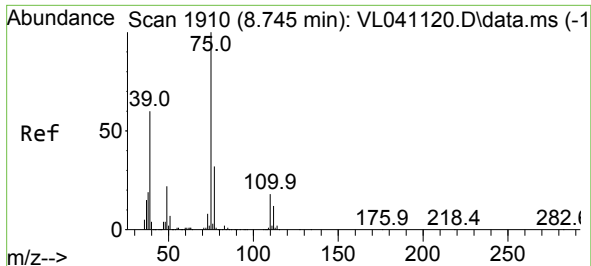
Lab File: VL041152.D

Acq: 23 Apr 2024 8:58

Tgt Ion: 57 Resp: 4193292

Ion	Ratio	Lower	Upper
57	100		
41	35.2	28.2	42.2
56	32.1	25.2	37.8





#45

t-1,3-Dichloropropene

Concen: 13.422 ppbv

RT: 8.700 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL041152.D

Acq: 23 Apr 2024 8:58

Instrument :

MSVOA_L

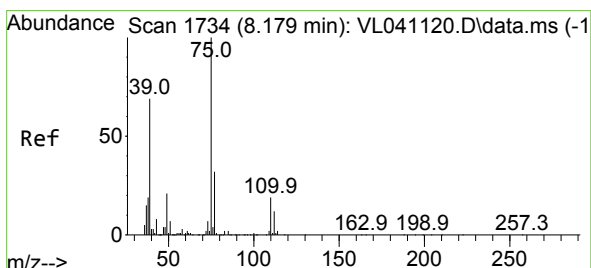
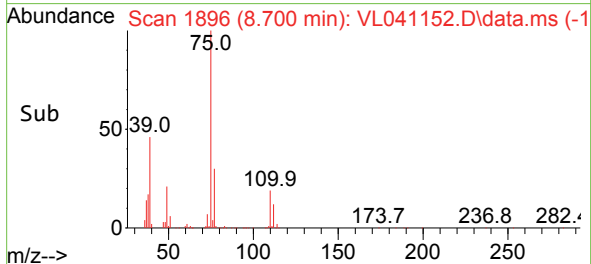
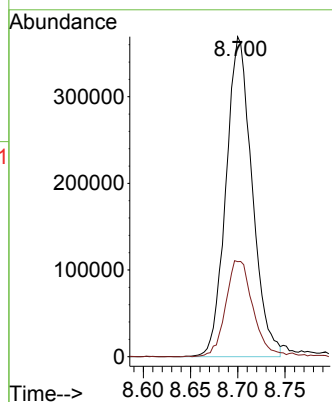
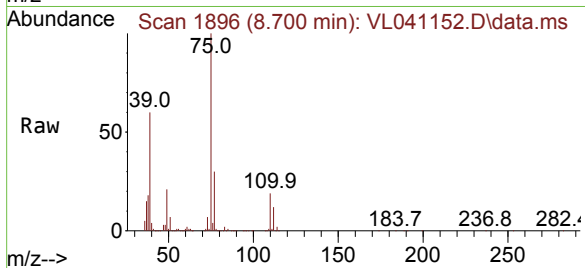
ClientSampleId :

Tgt Ion: 75 Resp: 709443

Ion Ratio Lower Upper

75 100

77 29.7 25.4 38.2



#46

cis-1,3-Dichloropropene

Concen: 12.884 ppbv

RT: 8.134 min Scan# 1720

Delta R.T. 0.000 min

Lab File: VL041152.D

Acq: 23 Apr 2024 8:58

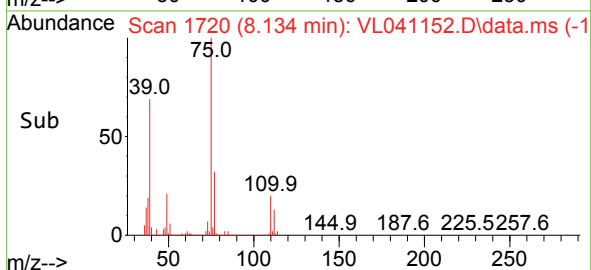
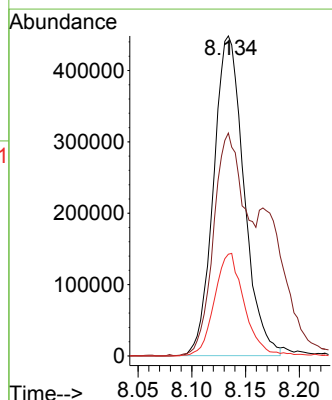
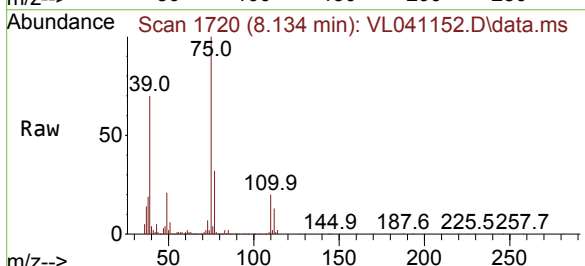
Tgt Ion: 75 Resp: 881162

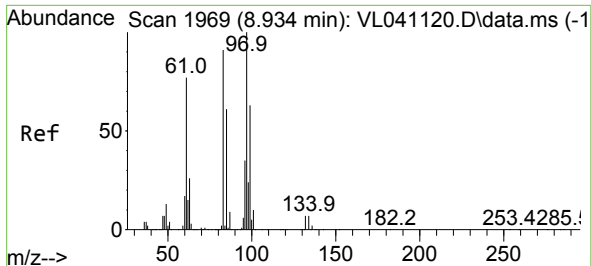
Ion Ratio Lower Upper

75 100

39 69.5 55.1 82.7

77 31.7 25.2 37.8



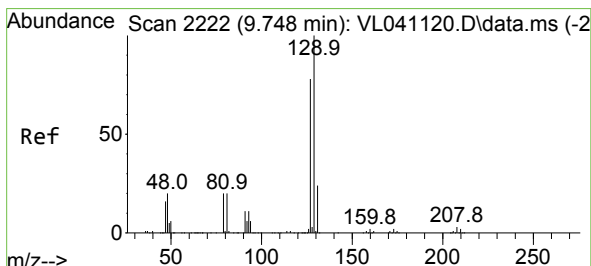
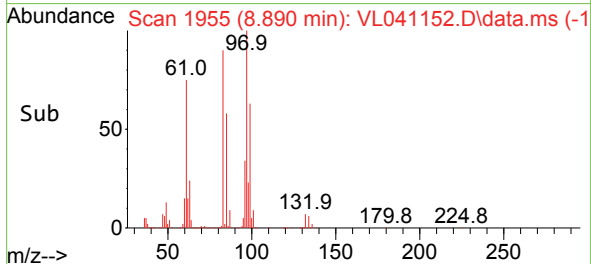
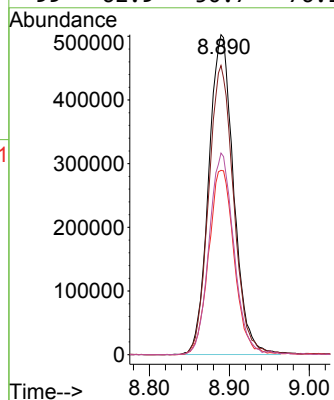
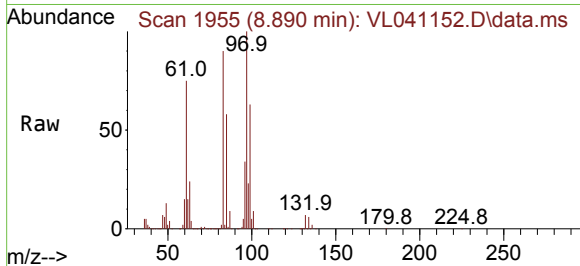


#47
1,1,2-Trichloroethane
Concen: 10.823 ppbv
RT: 8.890 min Scan# 1969
Delta R.T. 0.000 min
Lab File: VL041152.D
Acq: 23 Apr 2024 8:58

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 97 Resp: 1086076

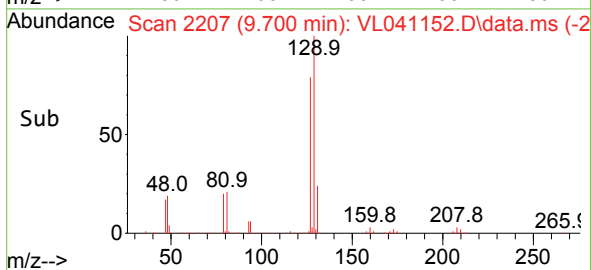
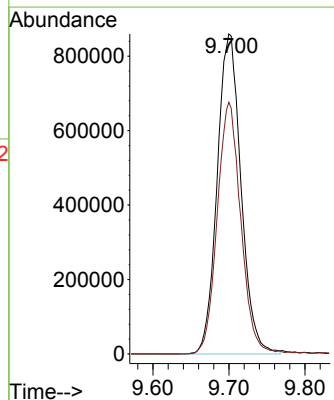
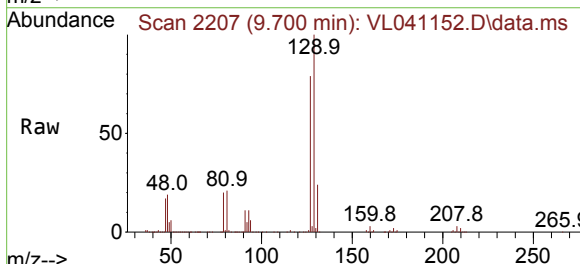
Ion	Ratio	Lower	Upper
97	100		
83	90.3	72.9	109.3
85	57.5	49.1	73.7
99	62.9	50.7	76.1

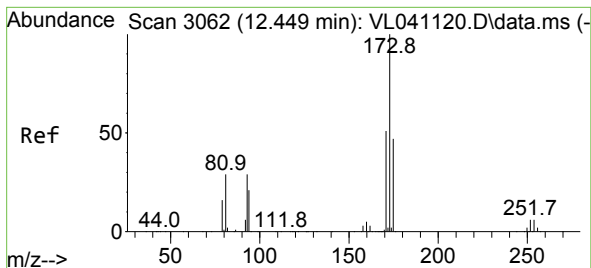


#48
Dibromochloromethane
Concen: 11.753 ppbv
RT: 9.700 min Scan# 2207
Delta R.T. 0.000 min
Lab File: VL041152.D
Acq: 23 Apr 2024 8:58

Tgt Ion: 129 Resp: 1872199

Ion	Ratio	Lower	Upper
129	100		
127	78.1	39.3	117.9





#49

Bromoform

Concen: 12.022 ppbv

RT: 12.397 min Scan# 3062

Delta R.T. 0.000 min

Lab File: VL041152.D

Acq: 23 Apr 2024 8:58

Instrument :

MSVOA_L

ClientSampleId :

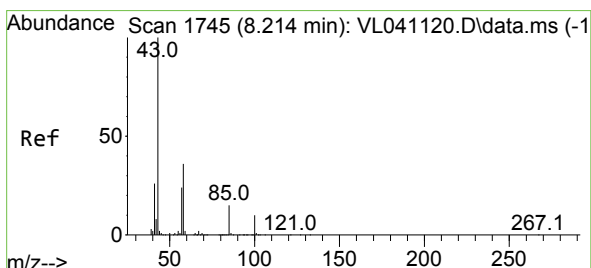
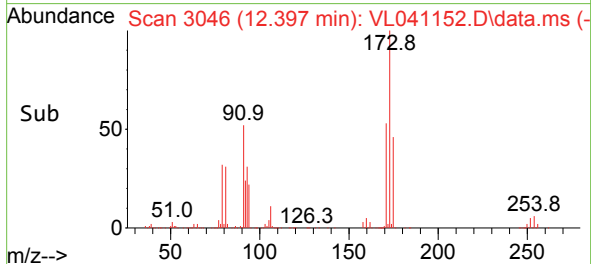
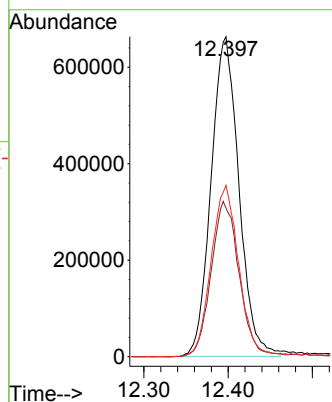
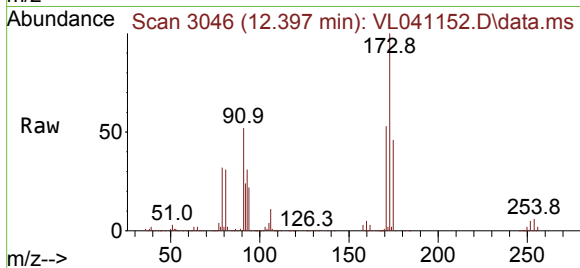
Tgt Ion:173 Resp: 1517213

Ion Ratio Lower Upper

173 100

175 50.1 39.4 59.0

171 54.3 42.9 64.3



#50

4-Methyl-2-Pentanone

Concen: 11.367 ppbv

RT: 8.172 min Scan# 1732

Delta R.T. 0.000 min

Lab File: VL041152.D

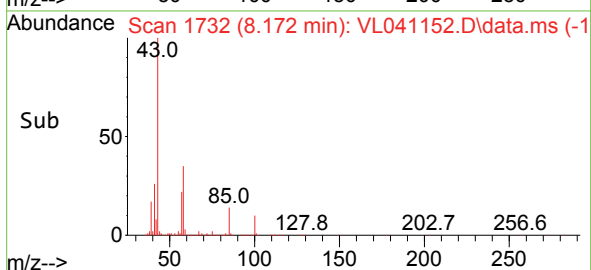
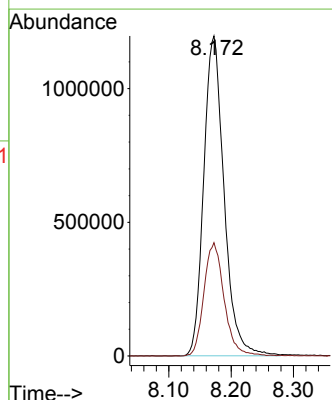
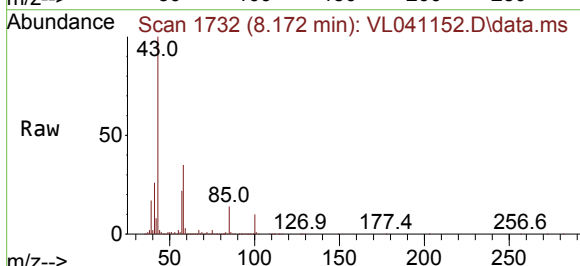
Acq: 23 Apr 2024 8:58

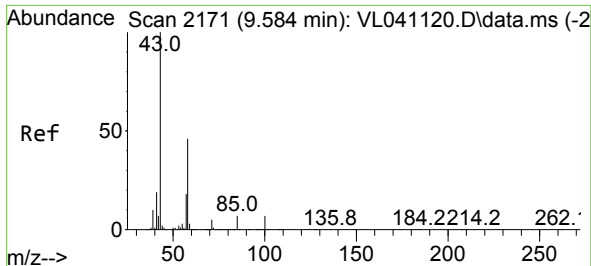
Tgt Ion: 43 Resp: 2714191

Ion Ratio Lower Upper

43 100

58 35.4 27.7 41.5

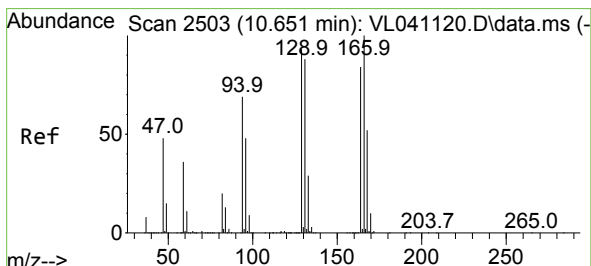
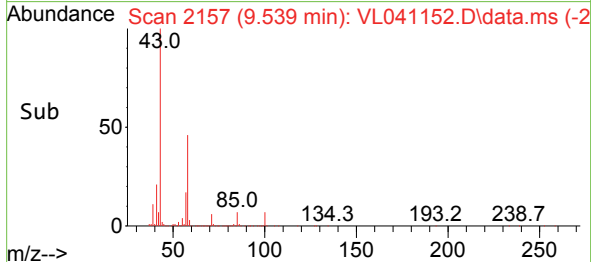
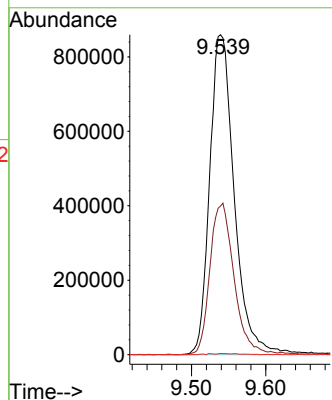
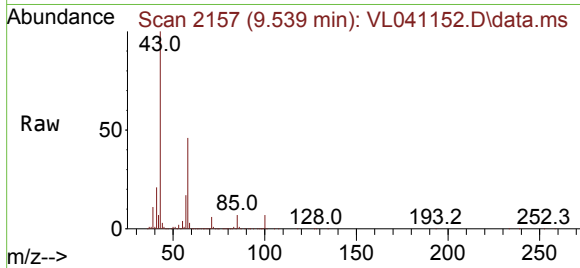




#51
2-Hexanone
Concen: 11.866 ppbv
RT: 9.539 min Scan# 2171
Delta R.T. 0.000 min
Lab File: VL041152.D
Acq: 23 Apr 2024 8:58

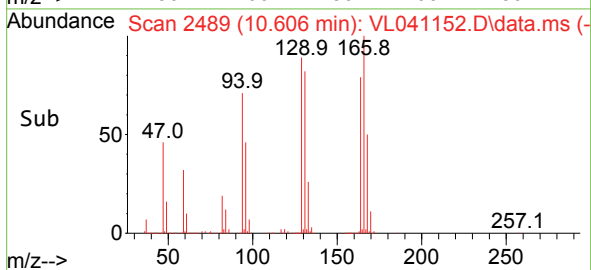
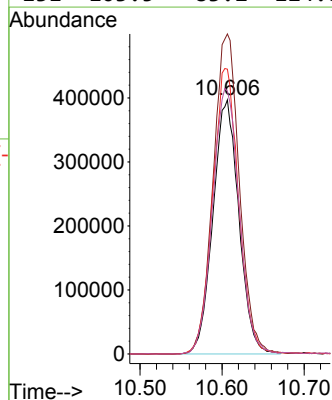
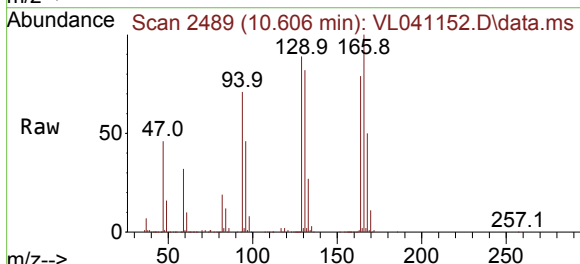
Instrument :
MSVOA_L
ClientSampleId :

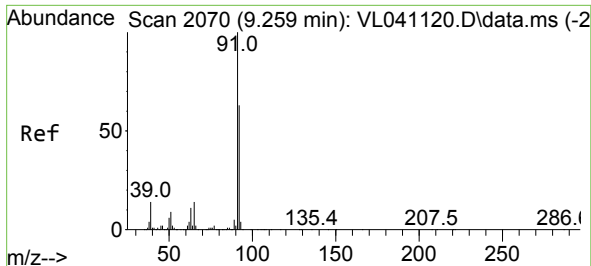
Tgt Ion: 43 Resp: 1964581
Ion Ratio Lower Upper
43 100
58 47.4 37.3 55.9
98 0.5 0.3 0.5#



#52
Tetrachloroethene
Concen: 11.564 ppbv
RT: 10.606 min Scan# 2489
Delta R.T. 0.000 min
Lab File: VL041152.D
Acq: 23 Apr 2024 8:58

Tgt Ion: 164 Resp: 868823
Ion Ratio Lower Upper
164 100
166 125.8 95.0 142.6
129 112.2 88.7 133.1
131 103.5 83.2 124.8

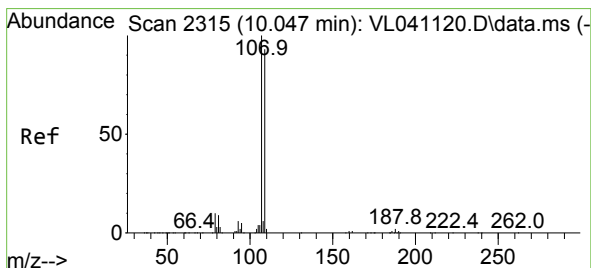
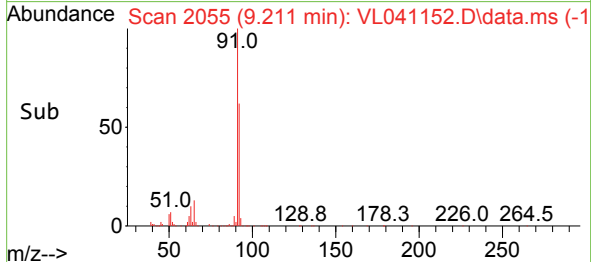
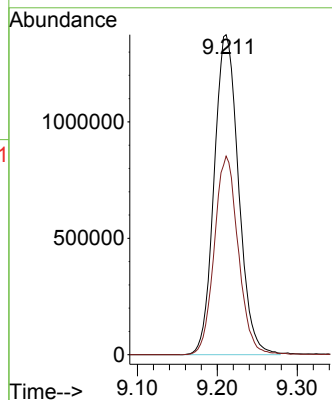
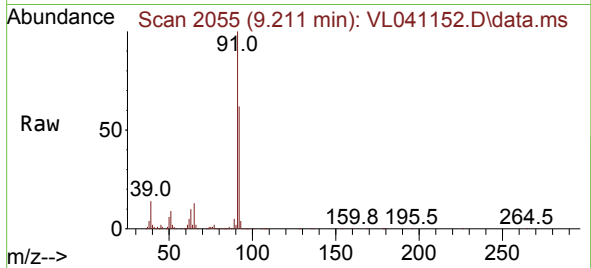




#53
Toluene
Concen: 11.727 ppbv
RT: 9.211 min Scan# 2070
Delta R.T. 0.000 min
Lab File: VL041152.D
Acq: 23 Apr 2024 8:58

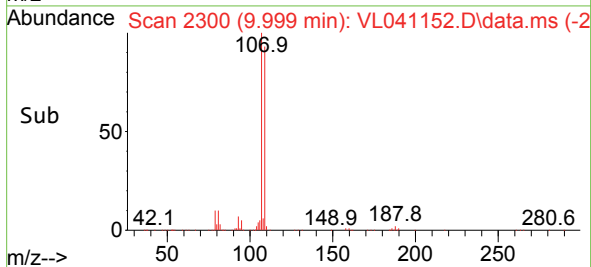
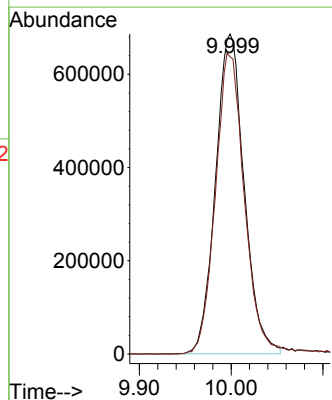
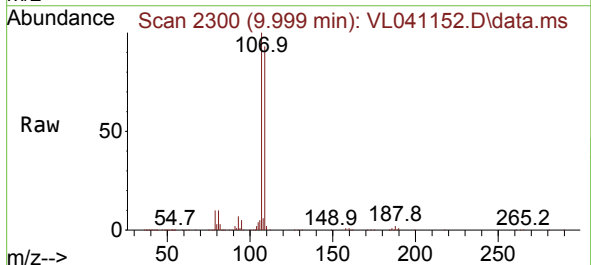
Instrument :
MSVOA_L
ClientSampleId :

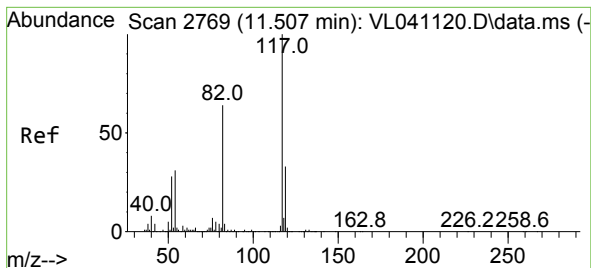
Tgt Ion: 91 Resp: 2907701
Ion Ratio Lower Upper
91 100
92 61.2 49.0 73.4



#54
1,2-Dibromoethane
Concen: 11.892 ppbv
RT: 9.999 min Scan# 2300
Delta R.T. 0.000 min
Lab File: VL041152.D
Acq: 23 Apr 2024 8:58

Tgt Ion: 107 Resp: 1488299
Ion Ratio Lower Upper
107 100
109 92.8 74.3 111.5





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.455 min Scan# 21

Delta R.T. 0.000 min

Lab File: VL041152.D

Acq: 23 Apr 2024 8:58

Instrument :

MSVOA_L

ClientSampleId :

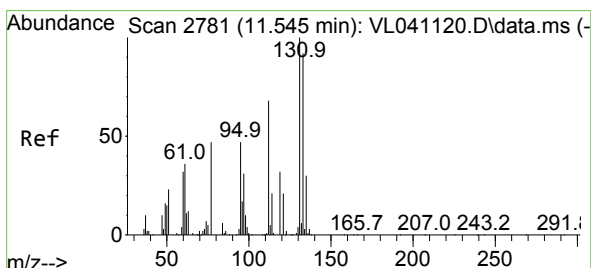
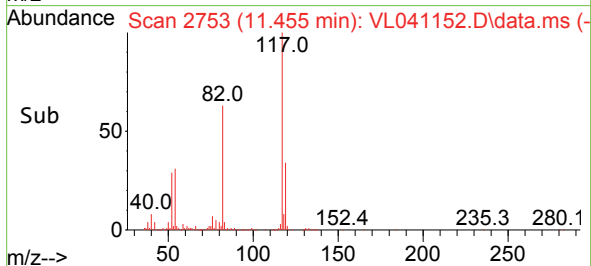
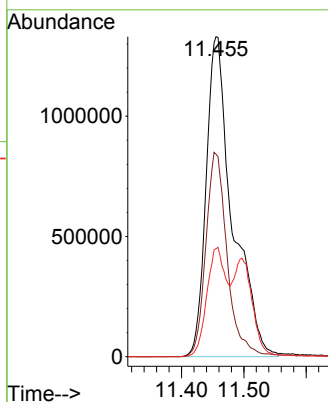
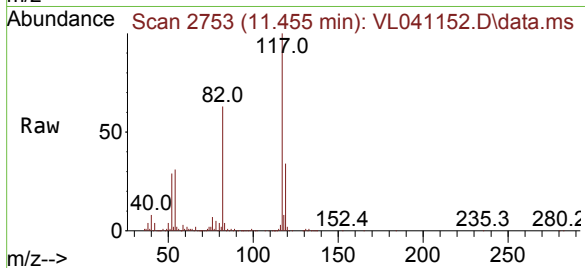
Tgt Ion:117 Resp: 3908769

Ion Ratio Lower Upper

117 100

82 52.4 51.0 76.6

119 24.1 25.2 37.8#



#56

1,1,1,2-Tetrachloroethane

Concen: 8.472 ppbv

RT: 11.497 min Scan# 2766

Delta R.T. 0.000 min

Lab File: VL041152.D

Acq: 23 Apr 2024 8:58

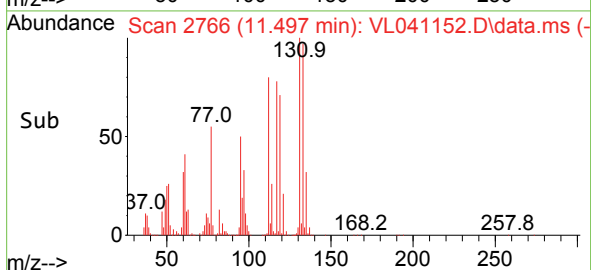
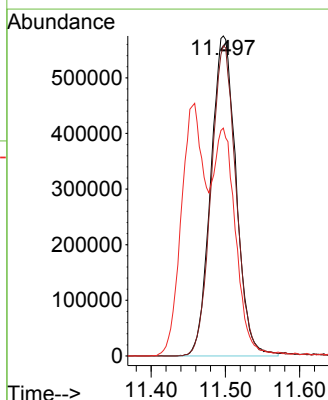
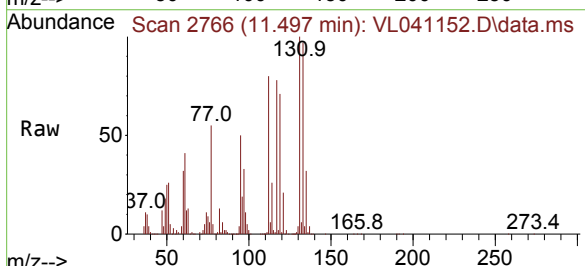
Tgt Ion:131 Resp: 1360951

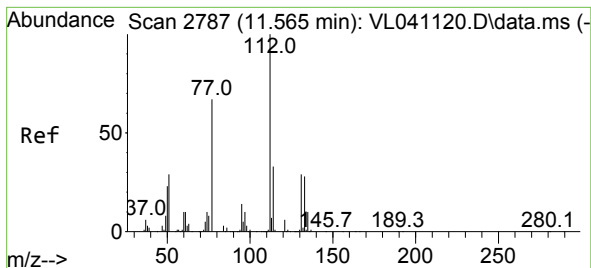
Ion Ratio Lower Upper

131 100

133 96.8 76.6 115.0

119 64.2 49.9 74.9





#57

Chlorobenzene

Concen: 8.469 ppbv

RT: 11.516 min Scan# 21

Delta R.T. 0.000 min

Lab File: VL041152.D

Acq: 23 Apr 2024 8:58

Instrument :

MSVOA_L

ClientSampleId :

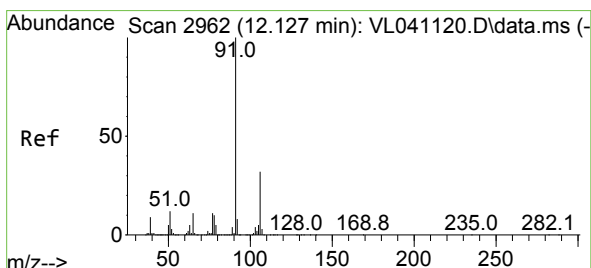
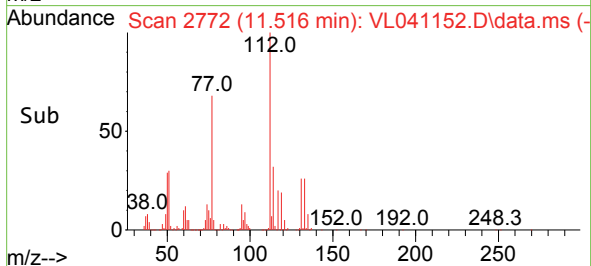
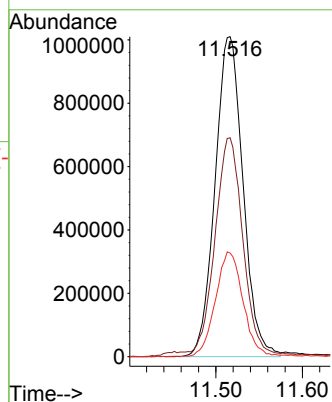
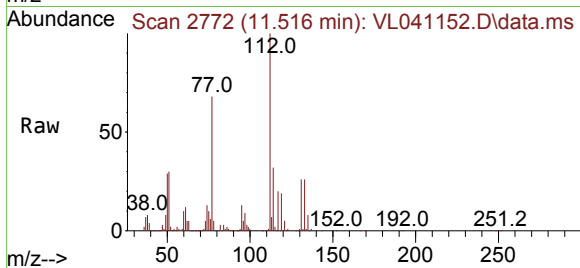
Tgt Ion:112 Resp: 2265952

Ion Ratio Lower Upper

112 100

77 67.5 54.0 81.0

114 32.3 29.3 35.9



#58

Ethyl Benzene

Concen: 9.224 ppbv

RT: 12.076 min Scan# 2946

Delta R.T. 0.000 min

Lab File: VL041152.D

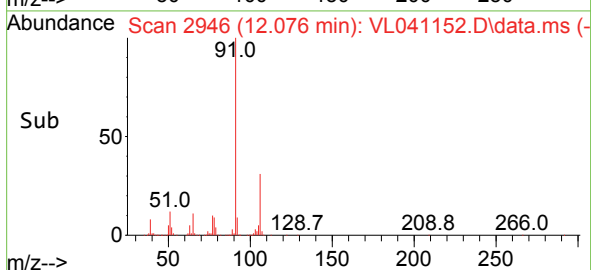
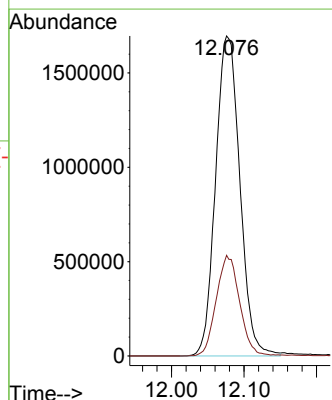
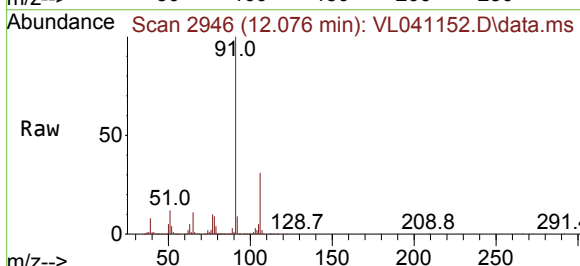
Acq: 23 Apr 2024 8:58

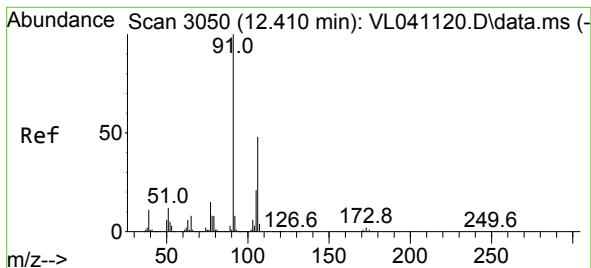
Tgt Ion: 91 Resp: 3947158

Ion Ratio Lower Upper

91 100

106 31.5 25.6 38.4





#59

m/p-Xylene

Concen: 8.782 ppbv

RT: 12.362 min Scan# 3050

Delta R.T. 0.000 min

Lab File: VL041152.D

Acq: 23 Apr 2024 8:58

Instrument :

MSVOA_L

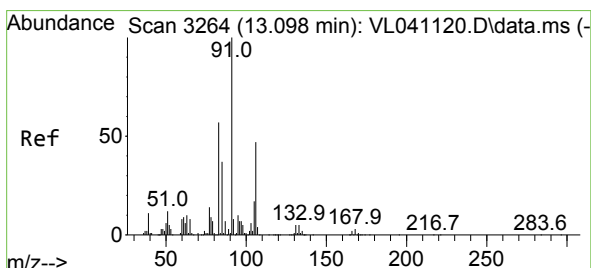
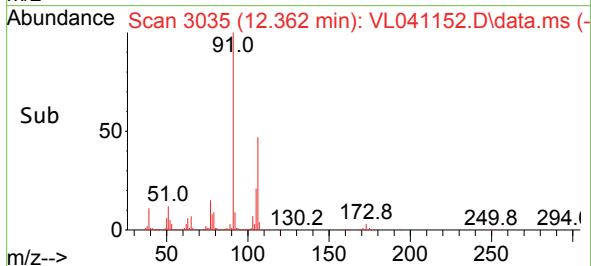
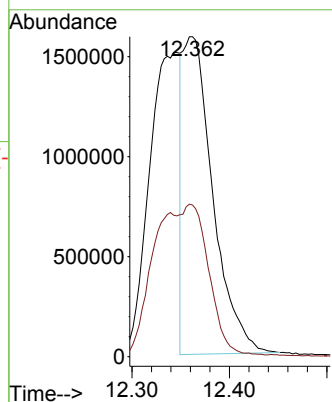
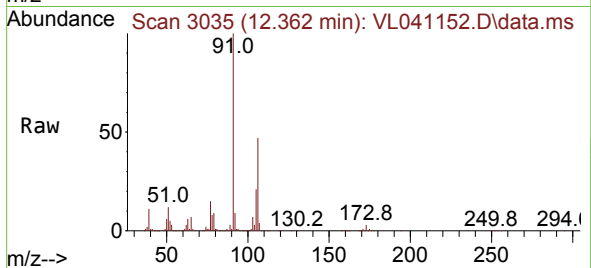
ClientSampleId :

Tgt Ion: 91 Resp: 3394096

Ion Ratio Lower Upper

91 100

106 88.7 35.4 53.2#



#60

o-Xylene

Concen: 8.978 ppbv

RT: 13.047 min Scan# 3248

Delta R.T. 0.000 min

Lab File: VL041152.D

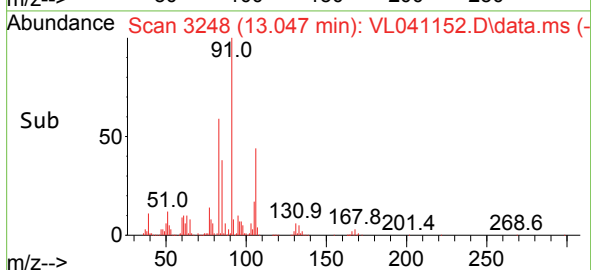
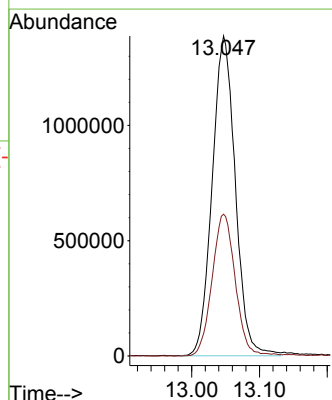
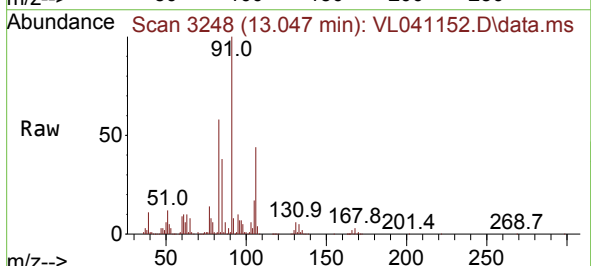
Acq: 23 Apr 2024 8:58

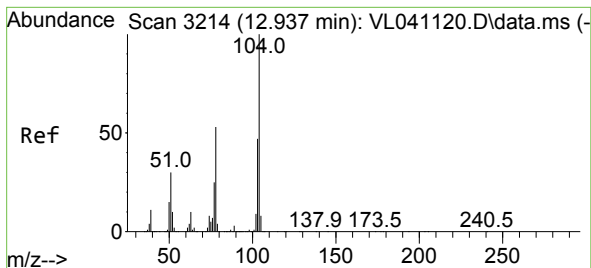
Tgt Ion: 91 Resp: 3287859

Ion Ratio Lower Upper

91 100

106 44.7 22.9 68.5





#61

Styrene

Concen: 10.136 ppbv

RT: 12.886 min Scan# 3198

Delta R.T. 0.000 min

Lab File: VL041152.D

Acq: 23 Apr 2024 8:58

Instrument :

MSVOA_L

ClientSampleId :

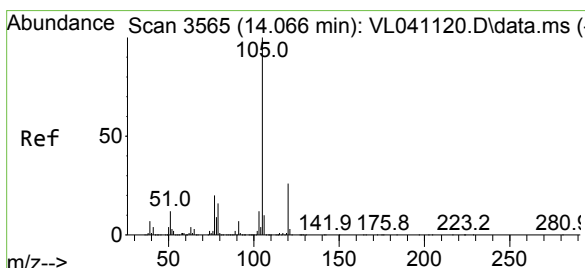
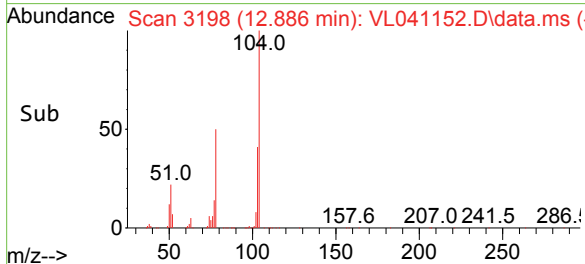
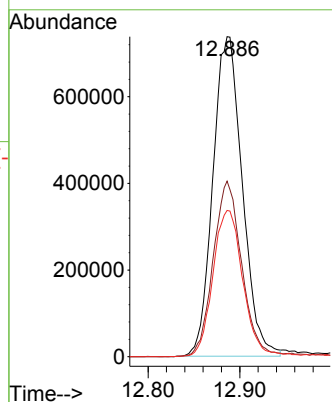
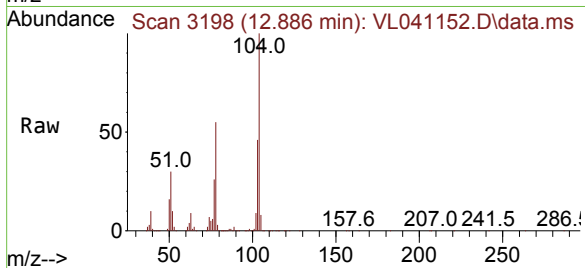
Tgt Ion:104 Resp: 1644635

Ion Ratio Lower Upper

104 100

78 53.9 43.3 64.9

103 47.2 38.2 57.2



#62

Isopropylbenzene

Concen: 8.697 ppbv

RT: 14.018 min Scan# 3550

Delta R.T. 0.000 min

Lab File: VL041152.D

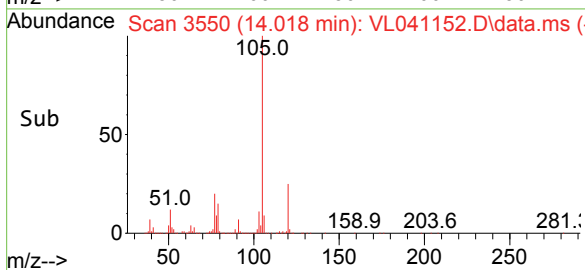
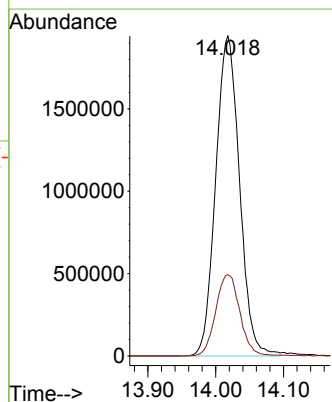
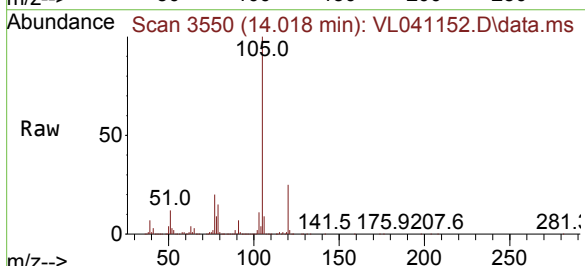
Acq: 23 Apr 2024 8:58

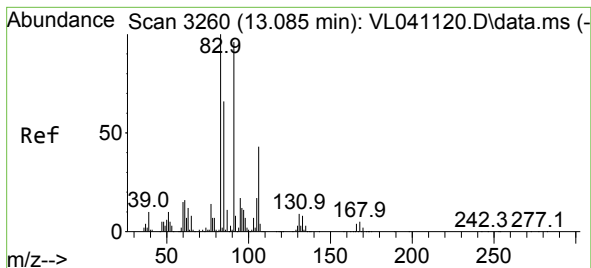
Tgt Ion:105 Resp: 4741203

Ion Ratio Lower Upper

105 100

120 25.9 21.0 31.4

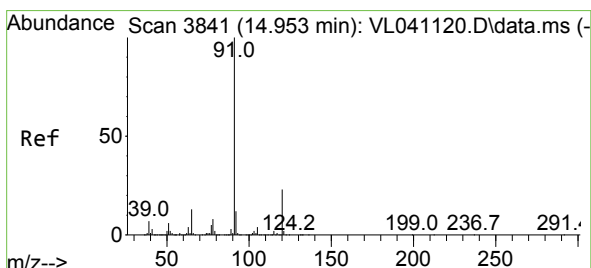
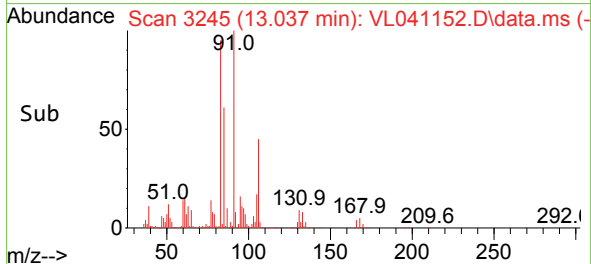
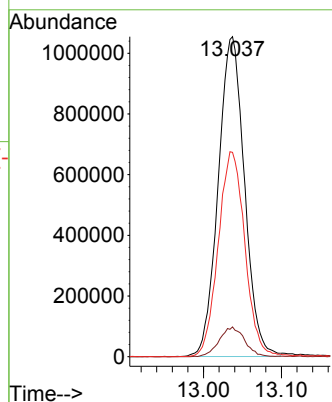
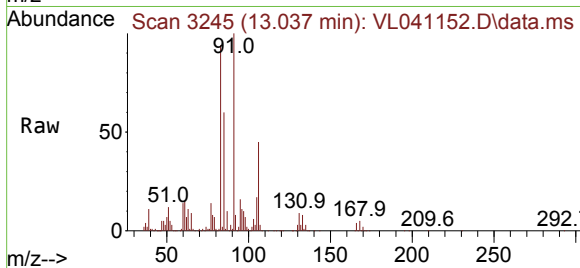




#63
1,1,2,2-Tetrachloroethane
Concen: 8.575 ppbv
RT: 13.037 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL041152.D
Acq: 23 Apr 2024 8:58

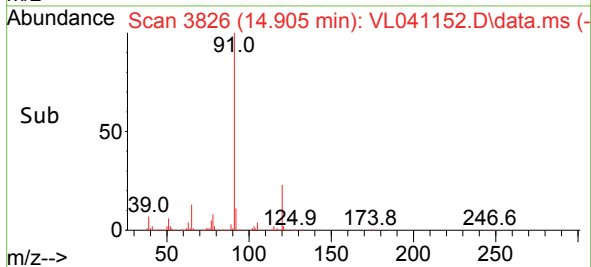
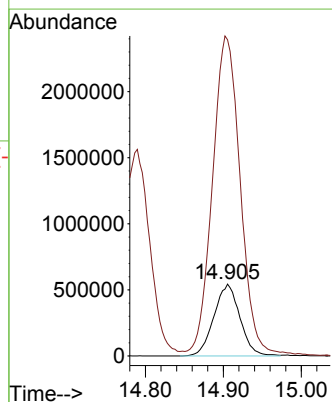
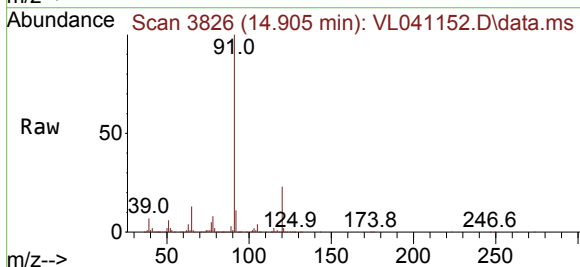
Instrument :
MSVOA_L
ClientSampleId :

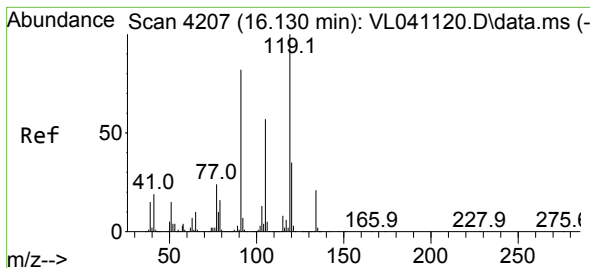
Tgt Ion: 83 Resp: 2467145
Ion Ratio Lower Upper
83 100
131 9.0 4.7 14.0
85 65.4 33.1 99.2



#64
n-propylbenzene
Concen: 9.180 ppbv
RT: 14.905 min Scan# 3826
Delta R.T. 0.000 min
Lab File: VL041152.D
Acq: 23 Apr 2024 8:58

Tgt Ion:120 Resp: 1255994
Ion Ratio Lower Upper
120 100
91 481.0 395.0 592.6





#65

tert-Butylbenzene

Concen: 8.930 ppbv

RT: 16.079 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL041152.D

Acq: 23 Apr 2024 8:58

Instrument :

MSVOA_L

ClientSampleId :

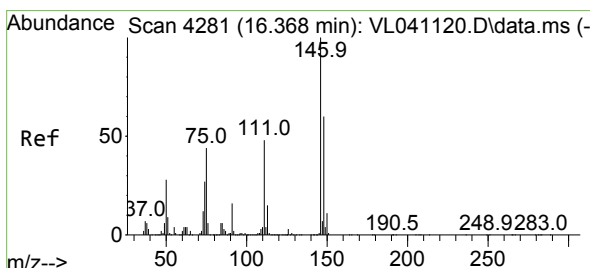
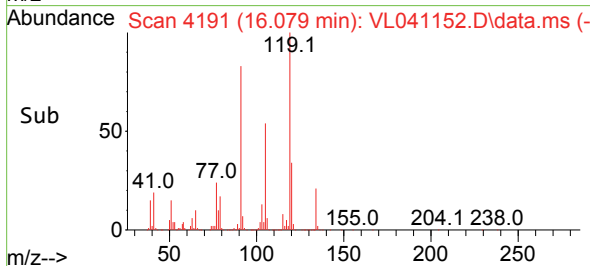
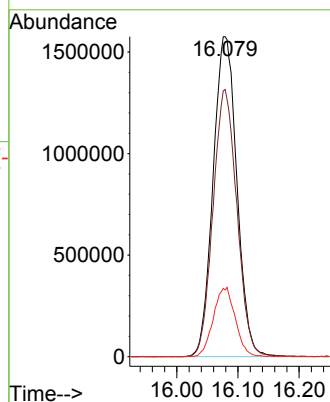
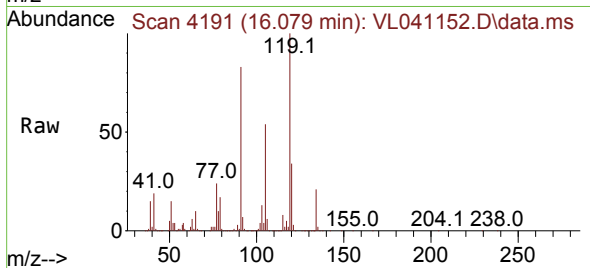
Tgt Ion:119 Resp: 4250200

Ion Ratio Lower Upper

119 100

91 83.9 67.8 101.8

134 20.1 16.0 24.0



#66

Benzyl Chloride

Concen: 9.456 ppbv

RT: 16.314 min Scan# 4264

Delta R.T. 0.000 min

Lab File: VL041152.D

Acq: 23 Apr 2024 8:58

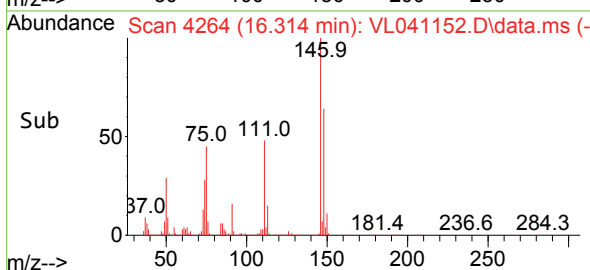
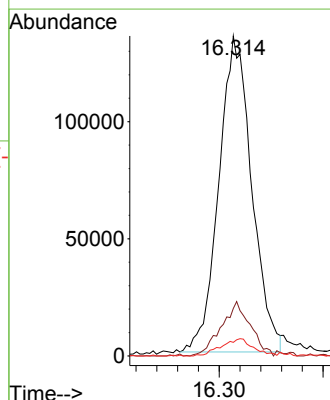
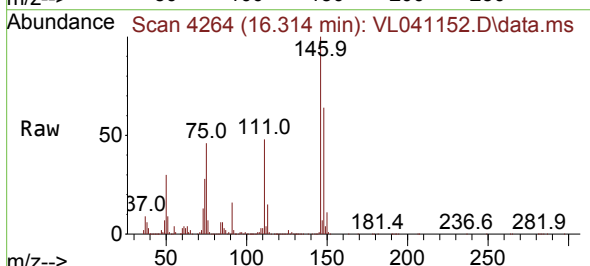
Tgt Ion: 91 Resp: 296104

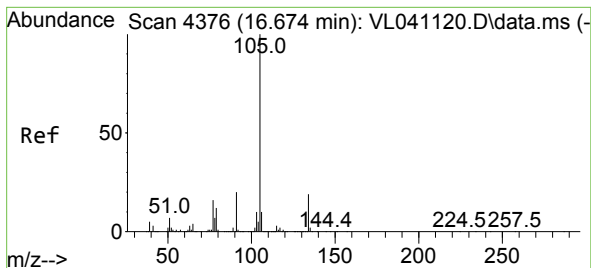
Ion Ratio Lower Upper

91 100

126 16.0 13.4 20.2

128 5.7 4.3 6.5





#67

sec-Butylbenzene

Concen: 8.703 ppbv

RT: 16.626 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL041152.D

Acq: 23 Apr 2024 8:58

Instrument :

MSVOA_L

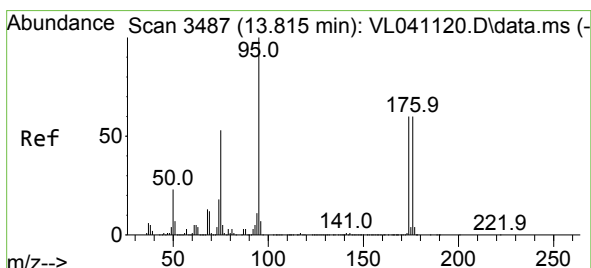
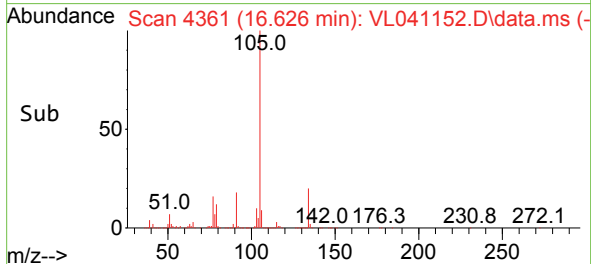
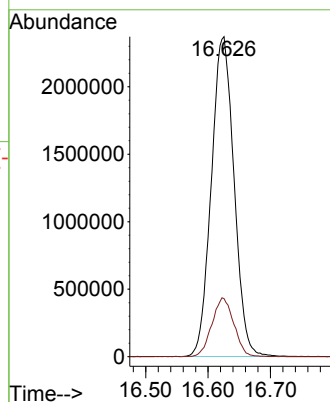
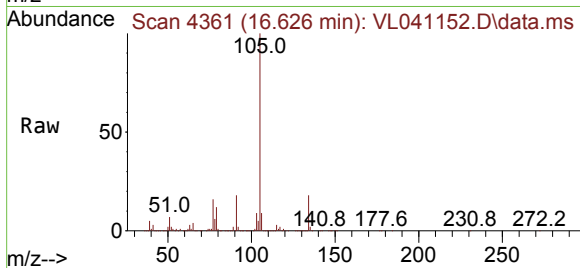
ClientSampleId :

Tgt Ion:105 Resp: 5984447

Ion Ratio Lower Upper

105 100

134 17.9 14.3 21.5



#68

1-Bromo-4-Fluorobenzene

Concen: 7.982 ppbv

RT: 13.764 min Scan# 3471

Delta R.T. 0.000 min

Lab File: VL041152.D

Acq: 23 Apr 2024 8:58

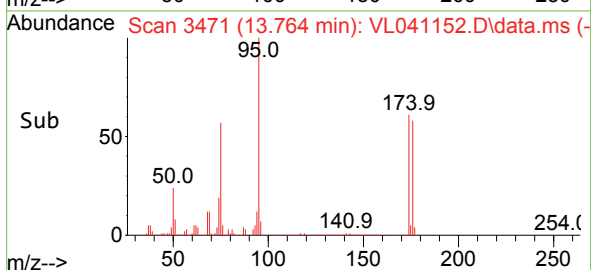
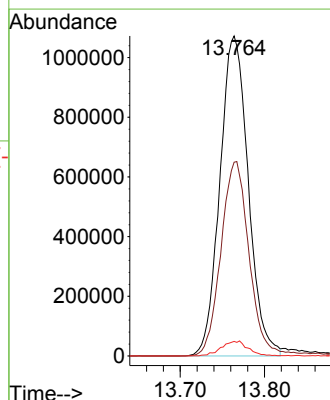
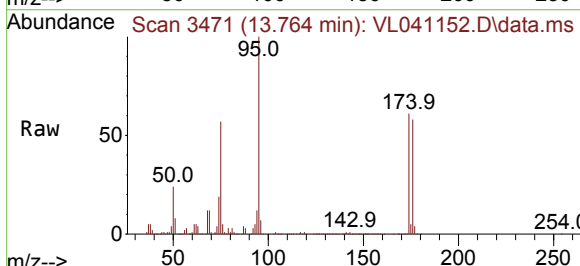
Tgt Ion: 95 Resp: 2508712

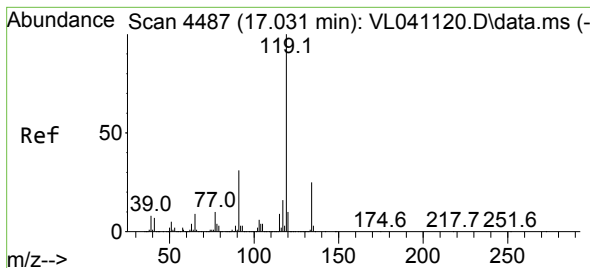
Ion Ratio Lower Upper

95 100

174 61.5 49.3 73.9

175 4.5 3.6 5.4





#69

p-Isopropyltoluene

Concen: 9.096 ppbv

RT: 16.982 min Scan# 4487

Delta R.T. 0.000 min

Lab File: VL041152.D

Acq: 23 Apr 2024 8:58

Instrument :

MSVOA_L

ClientSampleId :

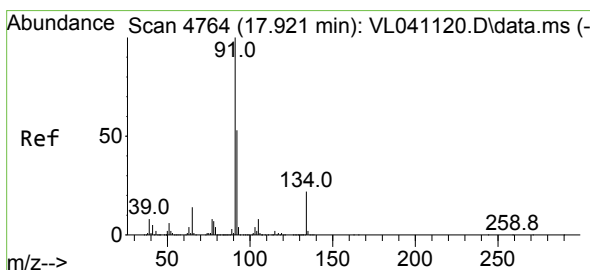
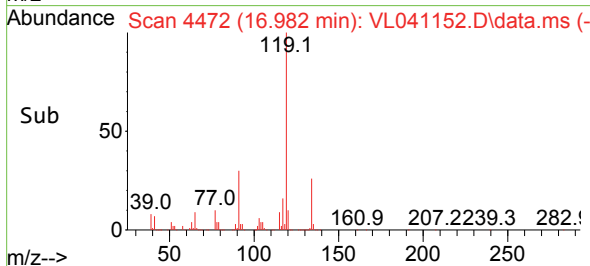
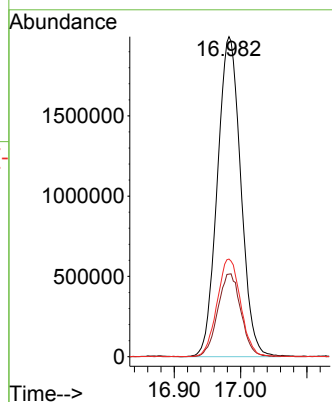
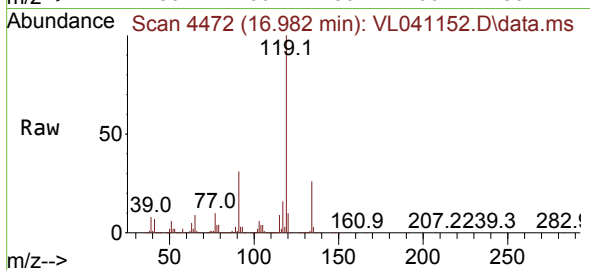
Tgt Ion:119 Resp: 4877363

Ion Ratio Lower Upper

119 100

134 25.8 20.5 30.7

91 30.8 24.8 37.2



#70

n-Butylbenzene

Concen: 9.072 ppbv

RT: 17.873 min Scan# 4749

Delta R.T. 0.000 min

Lab File: VL041152.D

Acq: 23 Apr 2024 8:58

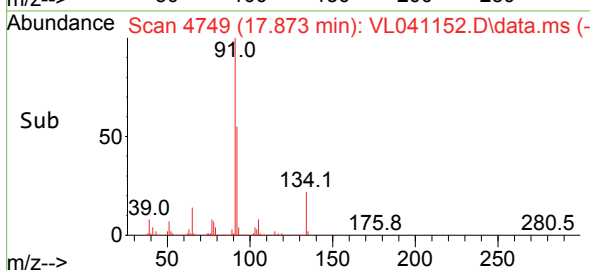
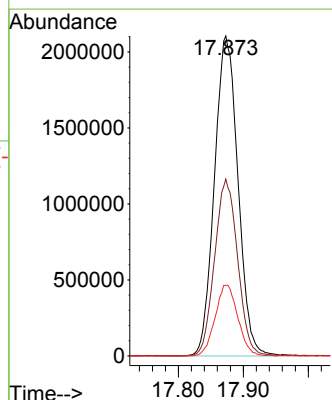
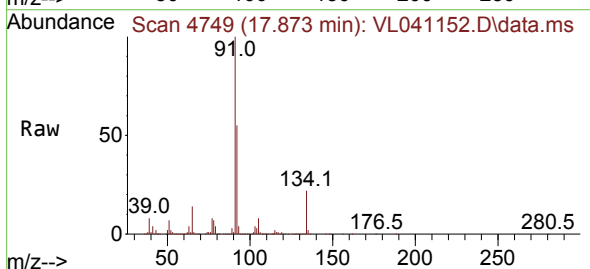
Tgt Ion: 91 Resp: 5284686

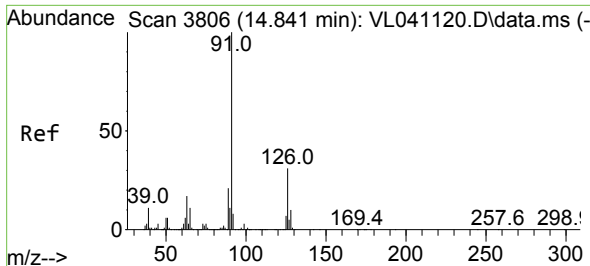
Ion Ratio Lower Upper

91 100

92 54.2 43.4 65.0

134 21.5 17.1 25.7

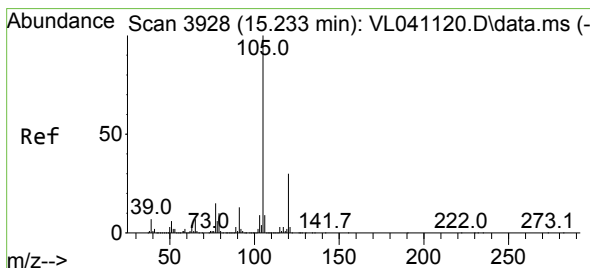
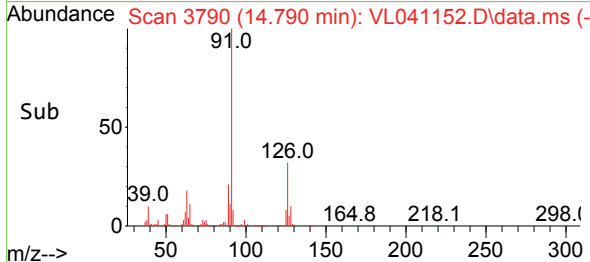
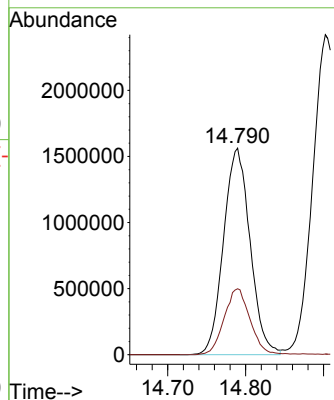
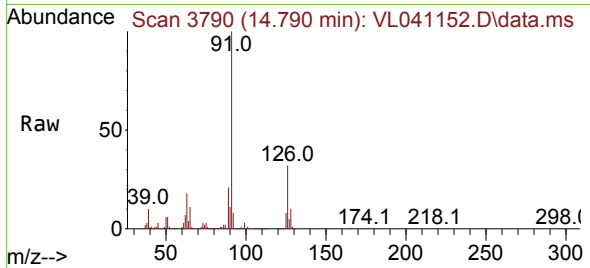




#71
2-Chlorotoluene
Concen: 8.838 ppbv
RT: 14.790 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL041152.D
Acq: 23 Apr 2024 8:58

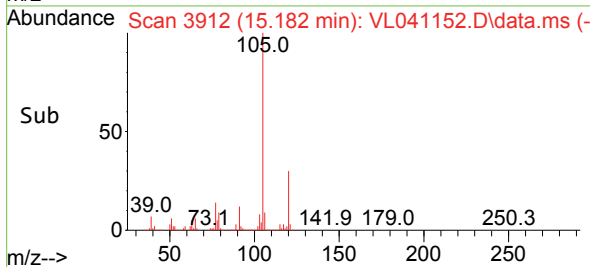
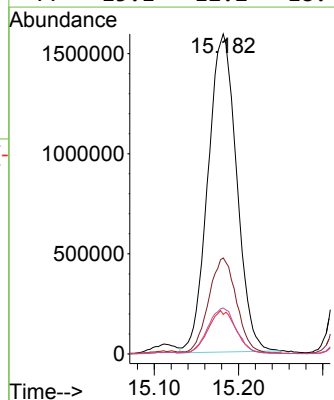
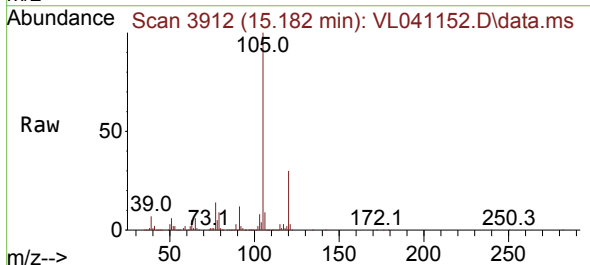
Instrument :
MSVOA_L
ClientSampleId :

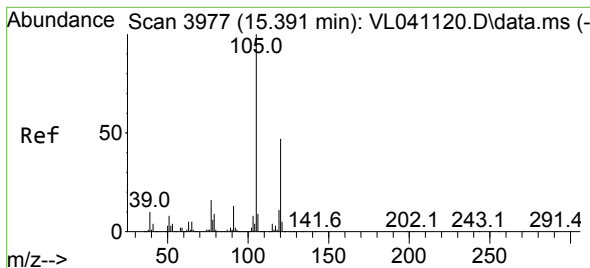
Tgt Ion: 91 Resp: 3695616
Ion Ratio Lower Upper
91 100
126 31.7 12.5 50.1



#72
4-Ethyltoluene
Concen: 9.173 ppbv
RT: 15.182 min Scan# 3912
Delta R.T. 0.000 min
Lab File: VL041152.D
Acq: 23 Apr 2024 8:58

Tgt Ion: 105 Resp: 3751702
Ion Ratio Lower Upper
105 100
120 30.0 24.2 36.2
91 14.3 11.2 16.8
77 15.1 12.2 18.4





#73

1,3,5-Trimethylbenzene

Concen: 9.048 ppbv

RT: 15.339 min Scan# 3977

Delta R.T. 0.000 min

Lab File: VL041152.D

Acq: 23 Apr 2024 8:58

Instrument :

MSVOA_L

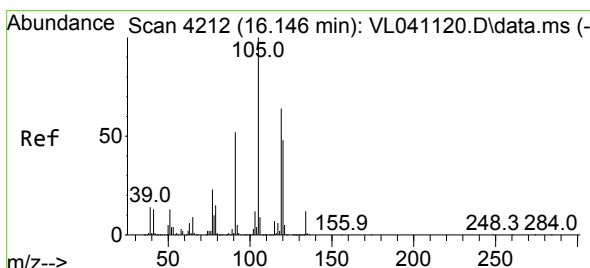
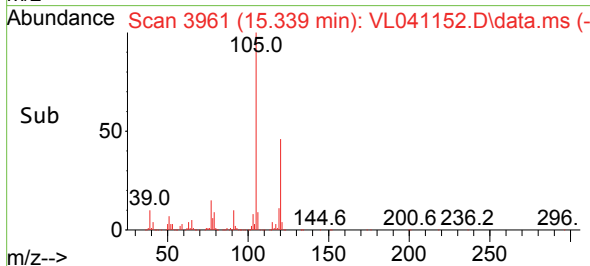
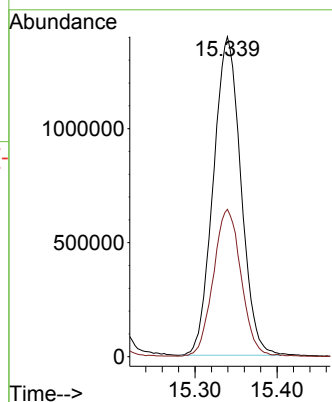
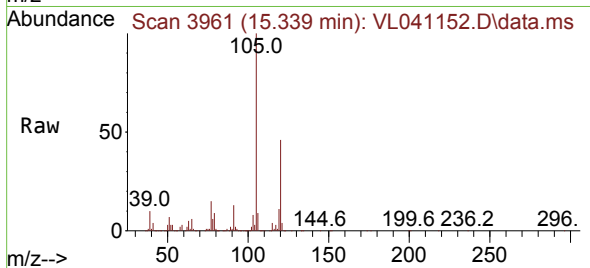
ClientSampleId :

Tgt Ion:105 Resp: 3263976

Ion Ratio Lower Upper

105 100

120 46.0 37.8 56.8



#74

1,2,4-Trimethylbenzene

Concen: 8.849 ppbv

RT: 16.095 min Scan# 4196

Delta R.T. 0.000 min

Lab File: VL041152.D

Acq: 23 Apr 2024 8:58

Tgt Ion:105 Resp: 3653199

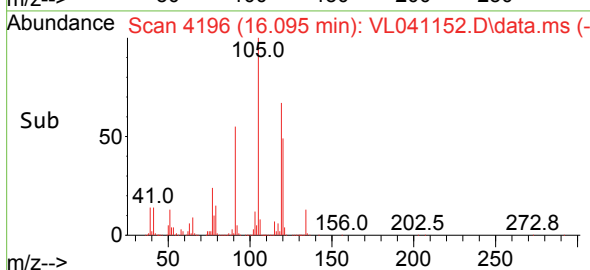
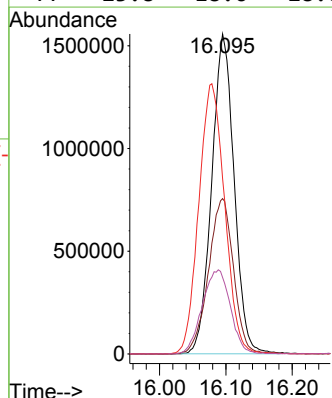
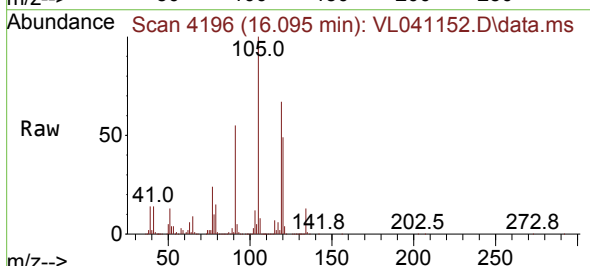
Ion Ratio Lower Upper

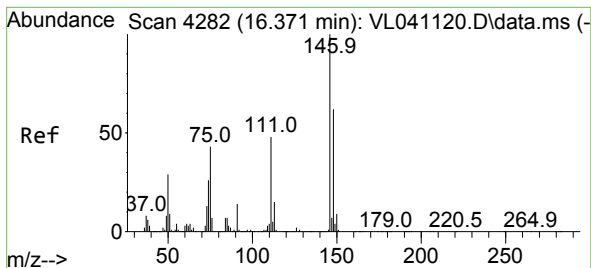
105 100

120 48.4 38.9 58.3

91 54.7 43.0 64.6

77 23.8 18.6 28.0





#75

1,3-Dichlorobenzene

Concen: 8.876 ppbv

RT: 16.317 min Scan# 4310

Delta R.T. 0.000 min

Lab File: VL041152.D

Acq: 23 Apr 2024 8:58

Instrument :

MSVOA_L

ClientSampleId :

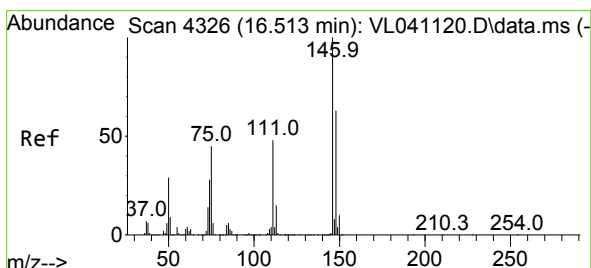
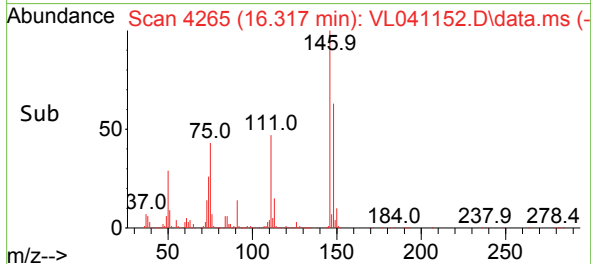
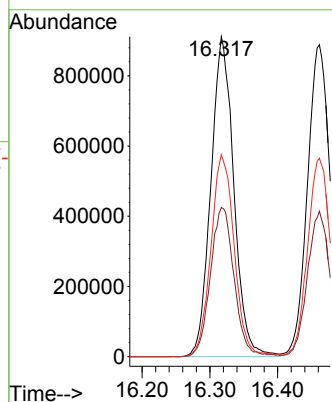
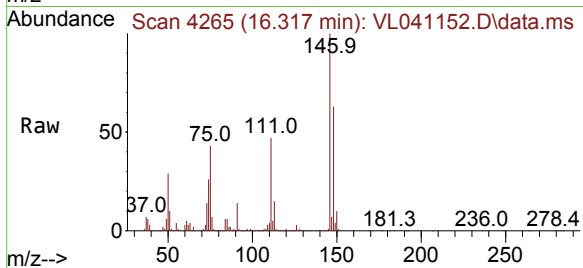
Tgt Ion:146 Resp: 2139363

Ion Ratio Lower Upper

146 100

111 48.1 24.1 72.4

148 64.4 32.0 96.2



#76

1,4-Dichlorobenzene

Concen: 8.927 ppbv

RT: 16.462 min Scan# 4310

Delta R.T. 0.000 min

Lab File: VL041152.D

Acq: 23 Apr 2024 8:58

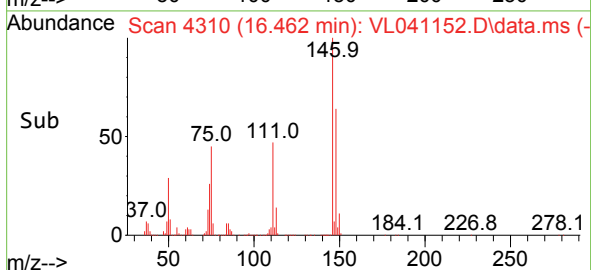
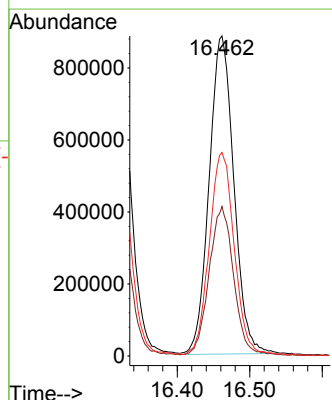
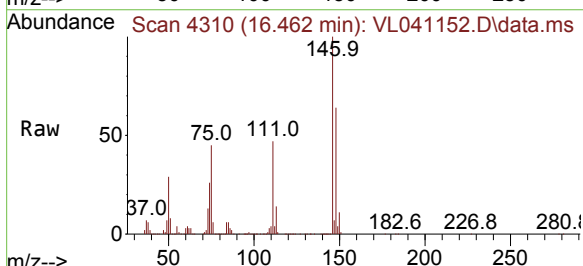
Tgt Ion:146 Resp: 2092934

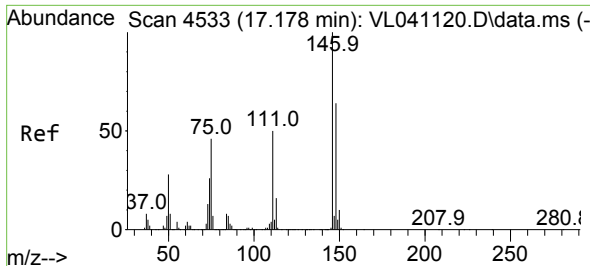
Ion Ratio Lower Upper

146 100

111 46.5 24.1 72.3

148 65.2 33.1 99.2

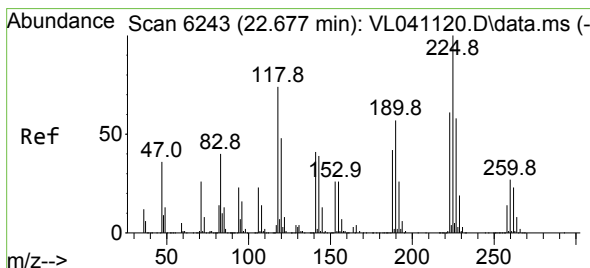
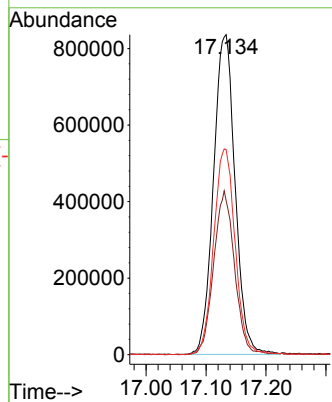
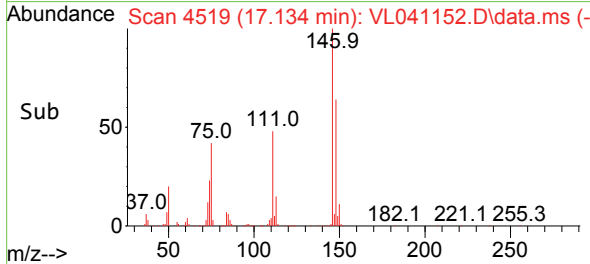
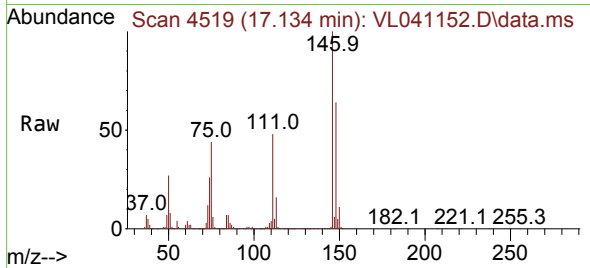




#77
1,2-Dichlorobenzene
Concen: 8.915 ppbv
RT: 17.134 min Scan# 41
Delta R.T. 0.000 min
Lab File: VL041152.D
Acq: 23 Apr 2024 8:58

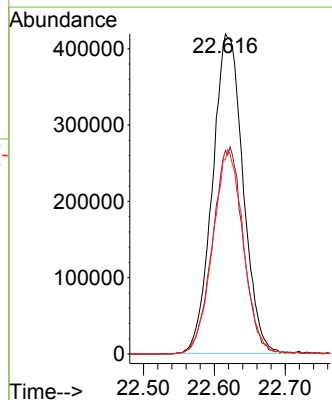
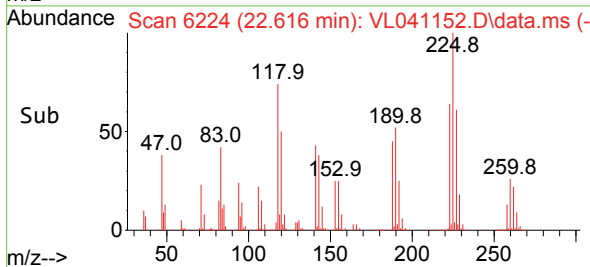
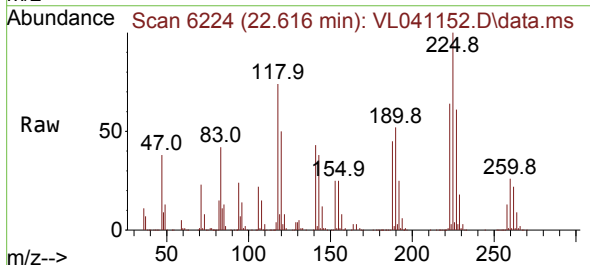
Instrument :
MSVOA_L
ClientSampleId :

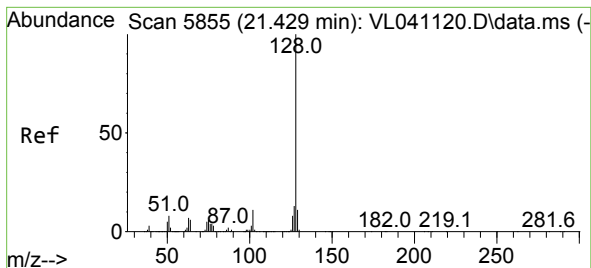
Tgt Ion:146 Resp: 2086636
Ion Ratio Lower Upper
146 100
111 49.8 25.1 75.3
148 64.0 32.6 97.7



#78
Hexachloro-1,3-Butadiene
Concen: 8.038 ppbv
RT: 22.616 min Scan# 6224
Delta R.T. 0.000 min
Lab File: VL041152.D
Acq: 23 Apr 2024 8:58

Tgt Ion:225 Resp: 1250797
Ion Ratio Lower Upper
225 100
223 65.7 50.9 76.3
227 64.6 51.3 76.9





#79

Naphthalene

Concen: 11.535 ppbv

RT: 21.371 min Scan# 5837

Delta R.T. 0.000 min

Lab File: VL041152.D

Acq: 23 Apr 2024 8:58

Instrument :

MSVOA_L

ClientSampleId :

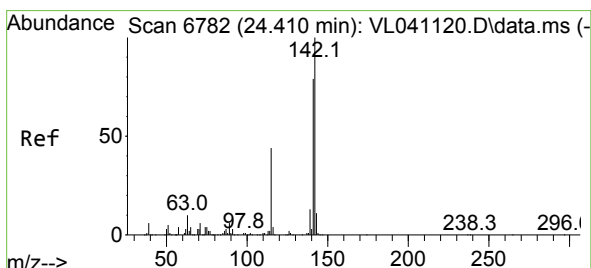
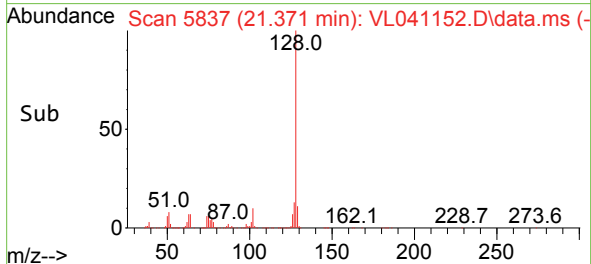
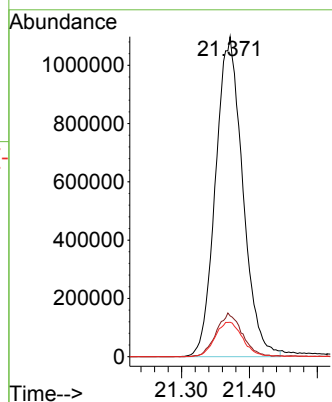
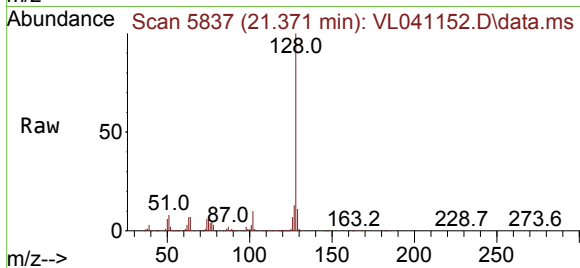
Tgt Ion:128 Resp: 3055082

Ion Ratio Lower Upper

128 100

127 12.8 10.6 15.8

129 10.8 8.6 12.8



#80

Naphthalene,2-methyl-

Concen: 12.508 ppbv

RT: 24.368 min Scan# 6769

Delta R.T. 0.000 min

Lab File: VL041152.D

Acq: 23 Apr 2024 8:58

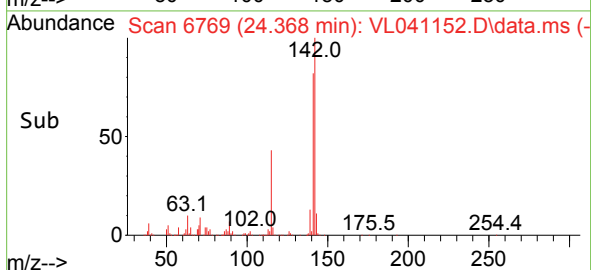
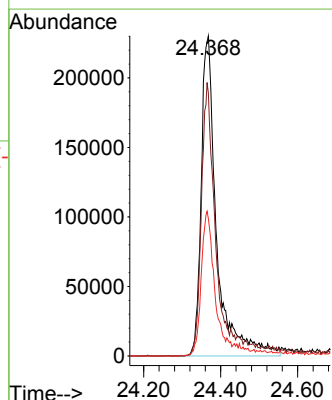
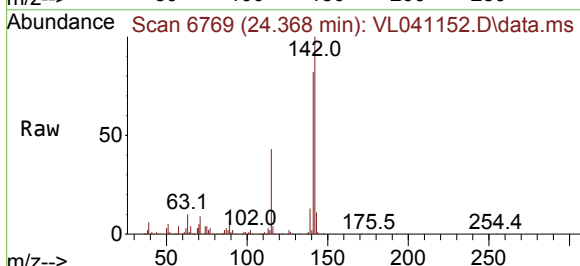
Tgt Ion:142 Resp: 645297

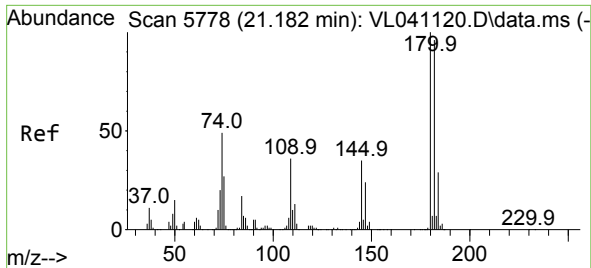
Ion Ratio Lower Upper

142 100

141 80.8 64.4 96.6

115 40.0 33.5 50.3





#81

1,2,4-Trichlorobenzene

Concen: 9.913 ppbv

RT: 21.127 min Scan# 51

Delta R.T. 0.000 min

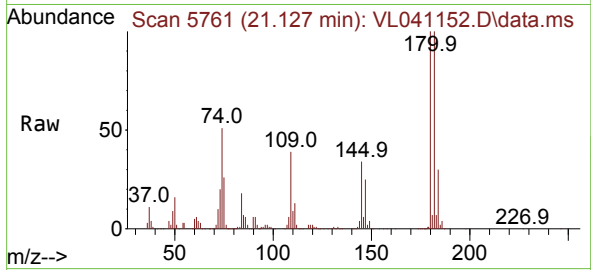
Lab File: VL041152.D

Acq: 23 Apr 2024 8:58

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:180 Resp: 1471830

Ion Ratio Lower Upper

180 100

182 98.2 77.4 116.2

184 31.1 24.9 37.3

