

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072924\
 Data File : VL041420.D
 Acq On : 29 Jul 2024 8:19
 Operator : SY/MD
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 30 02:45:39 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M

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

QLast Update : Tue Jul 30 02:42:20 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.179	49	1158667	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.645	114	3171392	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	3225299	10.000	ppbv	# 0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.773 95 2405503 9.692 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 96.900%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.710	85	1460693	7.328 ppbv	99
3) Chlorodifluoromethane	2.655	51	1300627	9.429 ppbv	100
4) Chloromethane	2.793	50	667671	9.101 ppbv	97
5) Vinyl Chloride	2.902	62	682847	9.443 ppbv	96
6) Bromomethane	3.102	94	365406	9.832 ppbv	97
7) Chloroethane	3.182	64	246291	9.869 ppbv	98
8) Dichlorotetrafluoroethane	2.838	85	1652912	9.359 ppbv	98
9) Propene	2.671	41	574787	9.071 ppbv	99
10) Heptane	7.571	43	1452179	10.200 ppbv	100
11) Trichlorofluoromethane	3.546	101	1614796	9.122 ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.050	101	1171723	9.192 ppbv	100
13) Ethanol	3.227	45	38708	6.835 ppbv	86
14) Bromoethene	3.349	108	478887	9.636 ppbv	99
15) Acetone	3.452	43	1199277	9.110 ppbv	100
16) 1,3-Butadiene	2.967	39	675326	9.601 ppbv	100
17) tert-Butyl alcohol	3.861	59	1234275	10.280 ppbv	99
18) 1,1-Dichloroethene	3.867	96	519749	9.532 ppbv	98
19) Isopropyl Alcohol	3.562	45	747849	9.717 ppbv	99
20) Methylene Chloride	3.918	84	431112	8.782 ppbv	98
21) Allyl Chloride	3.980	41	845364	9.791 ppbv	99
22) trans-1,2-Dichloroethene	4.430	96	535624	9.824 ppbv	96
23) Vinyl Acetate	4.613	43	1068724	10.629 ppbv	# 99
24) 1,1-Dichloroethane	4.549	63	1130436	9.549 ppbv	99
25) Ethyl Acetate	5.192	43	2569007	9.823 ppbv	99
26) Hexane	5.198	57	1065238	9.818 ppbv	99
27) Carbon Disulfide	4.108	76	1304877	10.281 ppbv	99
28) Methyl tert-Butyl Ether	4.571	73	656011	9.588 ppbv	99
29) Chloroform	5.263	83	1677280	9.478 ppbv	99
30) Cyclohexane	6.594	84	927243	10.495 ppbv	98
31) cis-1,2-Dichloroethene	5.066	61	1047405	9.773 ppbv	98
32) 1,1,1-Trichloroethane	5.992	97	1648336	9.569 ppbv	100
34) 2-Butanone	4.774	43	1324291	8.632 ppbv	99
35) Carbon Tetrachloride	6.484	117	1755494	10.036 ppbv	99
36) Benzene	6.359	78	2297398	9.914 ppbv	99
37) 1,2-Dichloroethane	5.796	62	1293301	9.972 ppbv	100
38) Trichloroethene	7.282	130	1080879	10.181 ppbv	97
39) 1,2-Dichloropropane	7.063	63	882920	9.952 ppbv	97
40) 1,4-Dioxane	7.275	88	354417	9.944 ppbv	# 1
41) Tetrahydrofuran	5.545	42	927948	10.576 ppbv	99
42) Bromodichloromethane	7.240	83	1877969	10.028 ppbv	100
43) Methyl Methacrylate	7.465	69	913985	10.999 ppbv	98
44) 2,2,4-Trimethylpentane	7.317	57	3828523	9.892 ppbv	99
45) t-1,3-Dichloropropene	8.703	75	932943	12.198 ppbv	95

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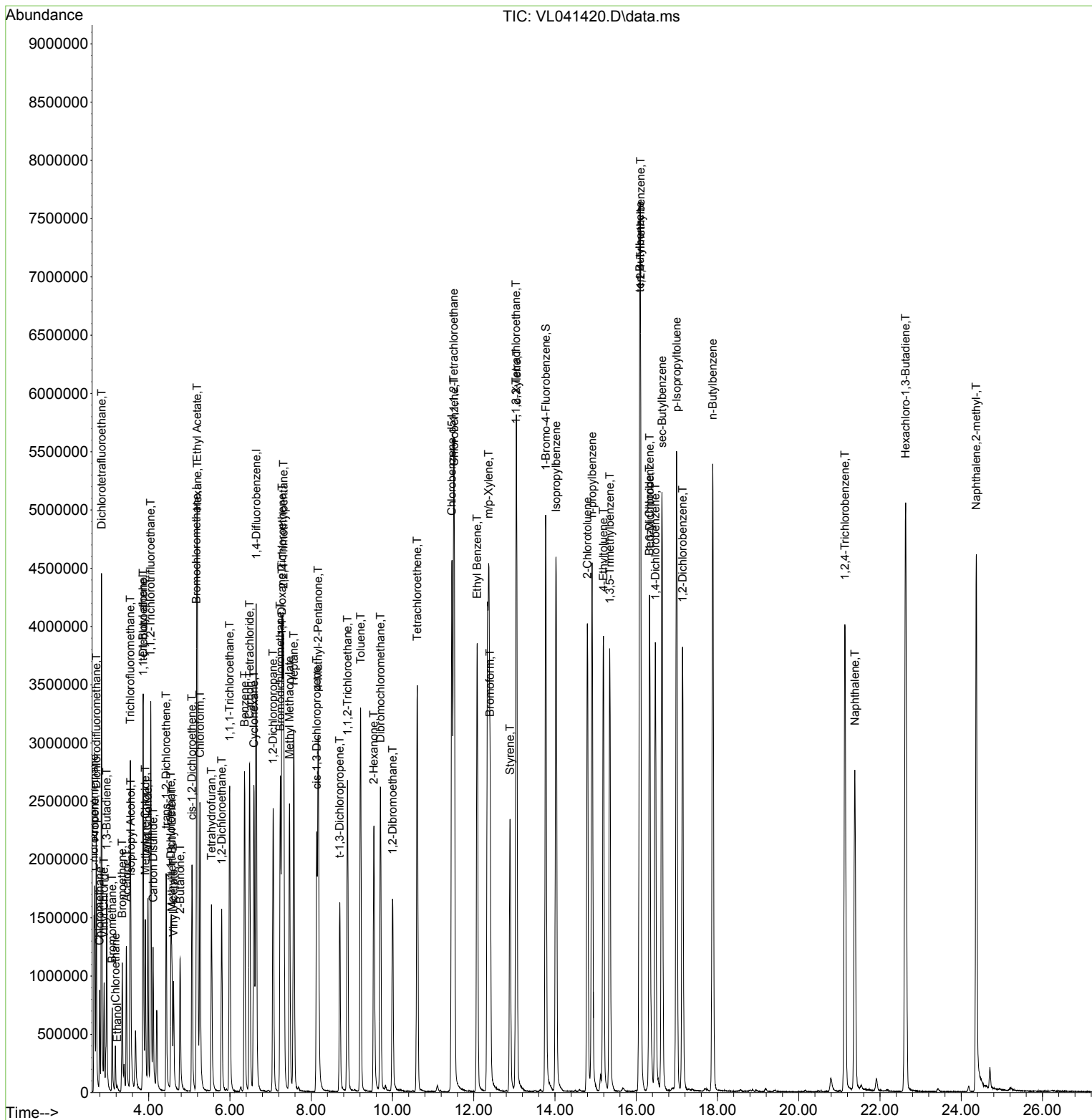
Instrument :
 MSVOA_L
 ClientSampleId :

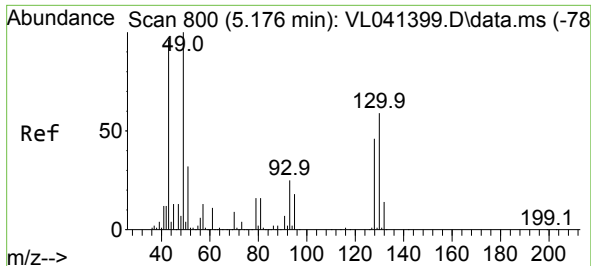
Quant Time: Jul 30 02:45:39 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Jul 30 02:42:20 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.134	75	1250483	11.322	ppbv	97
47) 1,1,2-Trichloroethane	8.893	97	959380	9.810	ppbv	97
48) Dibromochloromethane	9.703	129	1616507	10.261	ppbv	99
49) Bromoform	12.404	173	1419478	10.666	ppbv	99
50) 4-Methyl-2-Pentanone	8.172	43	2559795	10.576	ppbv	100
51) 2-Hexanone	9.542	43	2088567	11.412	ppbv	99
52) Tetrachloroethene	10.610	164	894422	9.989	ppbv	98
53) Toluene	9.217	91	2722956	10.549	ppbv	100
54) 1,2-Dibromoethane	10.002	107	1401882	10.770	ppbv	97
56) 1,1,1,2-Tetrachloroethane	11.507	131	1170991	9.362	ppbv #	56
57) Chlorobenzene	11.523	112	2096356	9.129	ppbv	99
58) Ethyl Benzene	12.085	91	3666360	9.862	ppbv	99
59) m/p-Xylene	12.368	91	3533715	11.011	ppbv #	46
60) o-Xylene	13.056	91	2937605	9.677	ppbv	100
61) Styrene	12.896	104	1470927	10.740	ppbv	99
62) Isopropylbenzene	14.027	105	4310246	9.340	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.044	83	1795823	9.368	ppbv	100
64) n-propylbenzene	14.915	120	1154714	9.571	ppbv	95
65) tert-Butylbenzene	16.092	119	3908206	9.376	ppbv	100
66) Benzyl Chloride	16.326	91	290393	10.861	ppbv	99
67) sec-Butylbenzene	16.635	105	5458240	9.504	ppbv	100
69) p-Isopropyltoluene	16.995	119	4597224	9.646	ppbv	100
70) n-Butylbenzene	17.883	91	4727403	9.676	ppbv	100
71) 2-Chlorotoluene	14.799	91	3245171	9.535	ppbv	98
72) 4-Ethyltoluene	15.191	105	3563032	9.969	ppbv	99
73) 1,3,5-Trimethylbenzene	15.349	105	3046640	9.895	ppbv	99
74) 1,2,4-Trimethylbenzene	16.108	105	3422472	9.561	ppbv	100
75) 1,3-Dichlorobenzene	16.330	146	2110031	9.377	ppbv	99
76) 1,4-Dichlorobenzene	16.474	146	2073042	9.515	ppbv	99
77) 1,2-Dichlorobenzene	17.143	146	2078394	9.317	ppbv	100
78) Hexachloro-1,3-Butadiene	22.632	225	1572392	8.266	ppbv	100
79) Naphthalene	21.381	128	3537793	11.197	ppbv	99
80) Naphthalene,2-methyl-	24.371	142	3245777	12.255	ppbv	99
81) 1,2,4-Trichlorobenzene	21.136	180	1854578	9.864	ppbv	100

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
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QLast Update : Tue Jul 30 02:42:20 2024
Response via : Initial Calibration

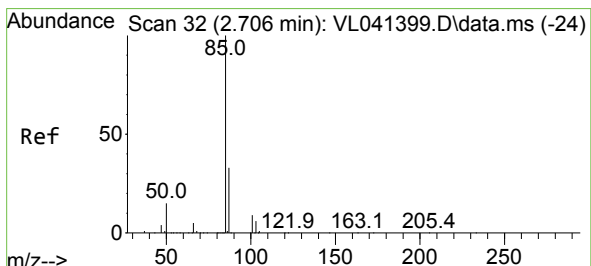
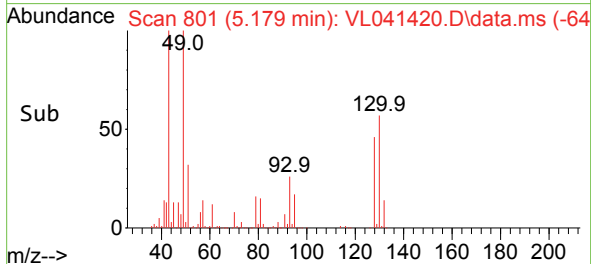
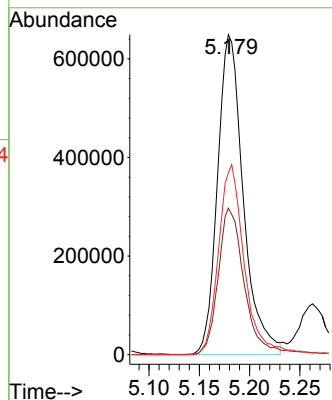
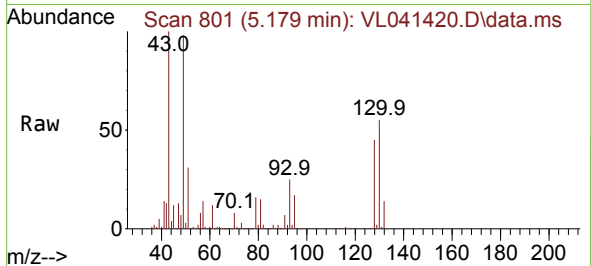




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.179 min Scan# 80
Delta R.T. -0.000 min
Lab File: VL041420.D
Acq: 29 Jul 2024 8:19

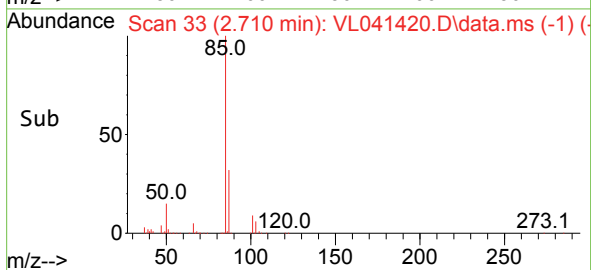
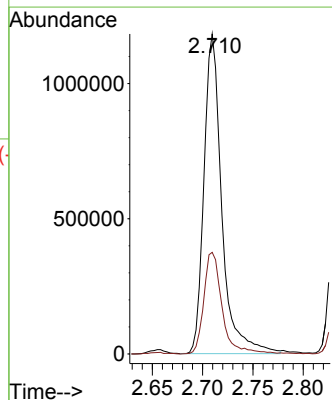
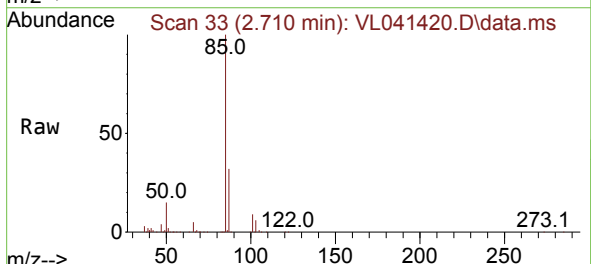
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MSVOA_L
ClientSampleId :

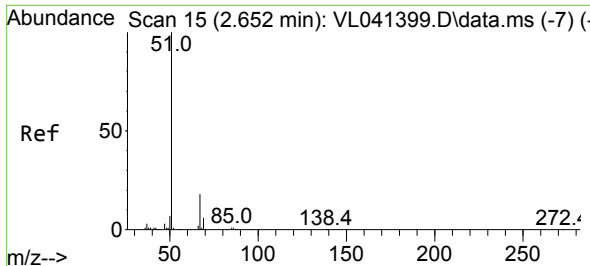
Tgt Ion: 49 Resp: 1158667
Ion Ratio Lower Upper
49 100
128 47.3 23.8 71.4
130 60.6 30.8 92.4



#2
Dichlorodifluoromethane
Concen: 7.328 ppbv
RT: 2.710 min Scan# 33
Delta R.T. 0.000 min
Lab File: VL041420.D
Acq: 29 Jul 2024 8:19

Tgt Ion: 85 Resp: 1460693
Ion Ratio Lower Upper
85 100
87 31.7 26.0 39.0

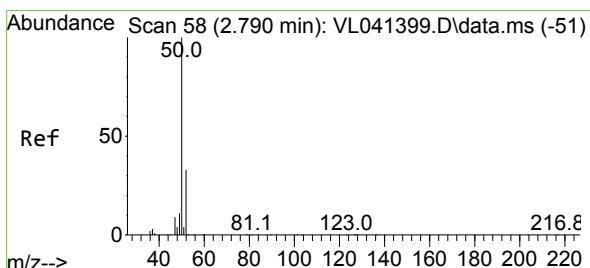
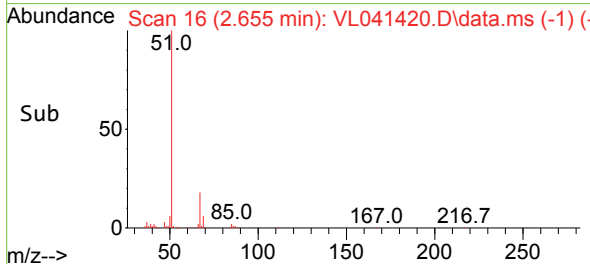
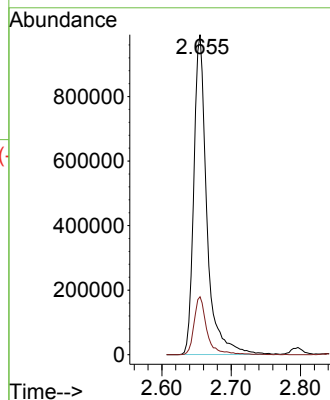
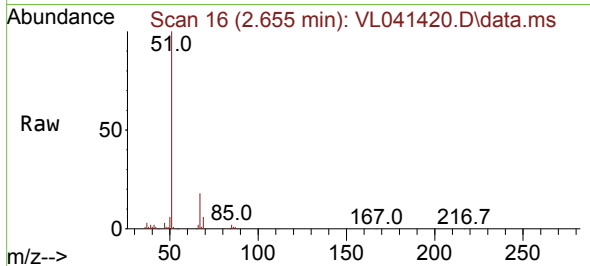




#3
Chlorodifluoromethane
Concen: 9.429 ppbv
RT: 2.655 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL041420.D
Acq: 29 Jul 2024 8:19

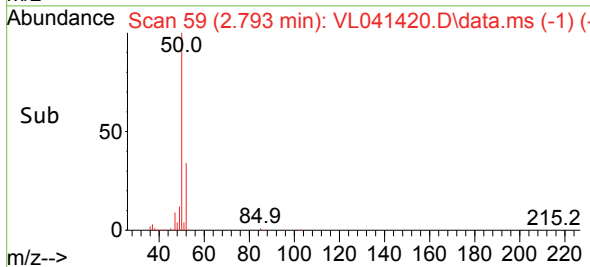
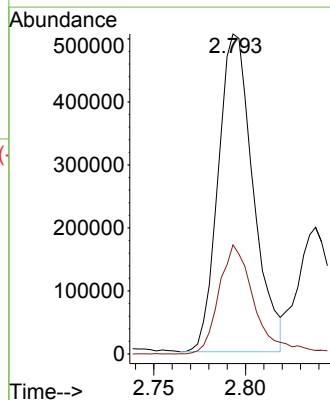
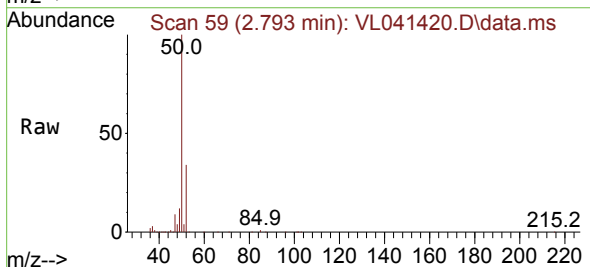
Instrument :
MSVOA_L
ClientSampleId :

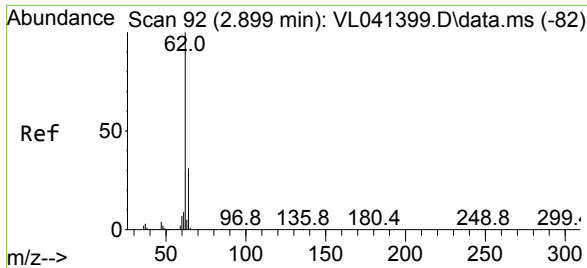
Tgt Ion: 51 Resp: 1300627
Ion Ratio Lower Upper
51 100
67 18.0 14.5 21.7



#4
Chloromethane
Concen: 9.101 ppbv
RT: 2.793 min Scan# 59
Delta R.T. 0.000 min
Lab File: VL041420.D
Acq: 29 Jul 2024 8:19

Tgt Ion: 50 Resp: 667671
Ion Ratio Lower Upper
50 100
52 34.3 26.1 39.1

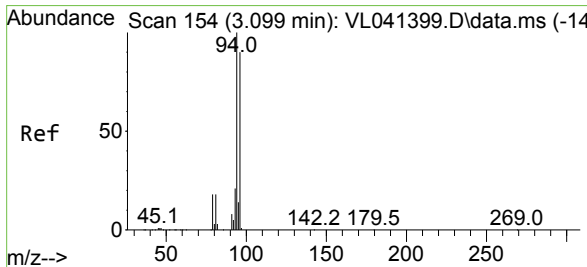
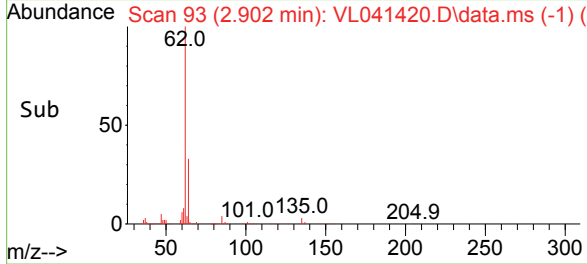
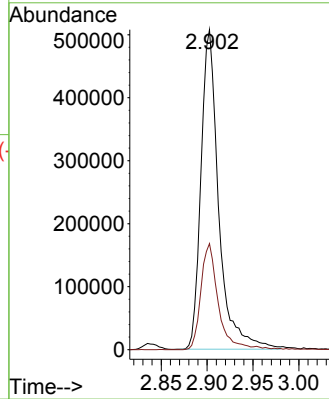
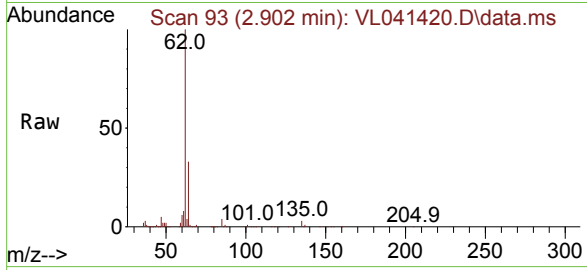




#5
Vinyl Chloride
Concen: 9.443 ppbv
RT: 2.902 min Scan# 91
Delta R.T. 0.000 min
Lab File: VL041420.D
Acq: 29 Jul 2024 8:19

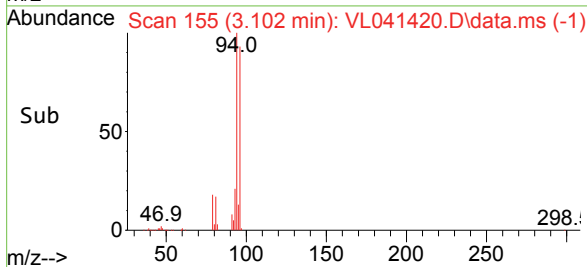
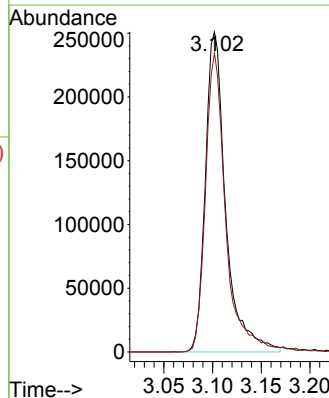
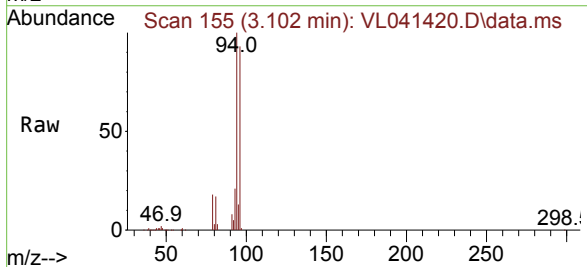
Instrument :
MSVOA_L
ClientSampleId :

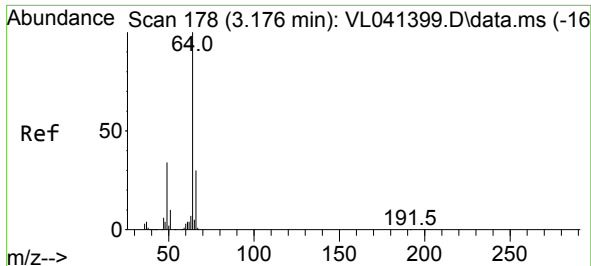
Tgt Ion: 62 Resp: 682847
Ion Ratio Lower Upper
62 100
64 33.2 25.0 37.4



#6
Bromomethane
Concen: 9.832 ppbv
RT: 3.102 min Scan# 155
Delta R.T. 0.000 min
Lab File: VL041420.D
Acq: 29 Jul 2024 8:19

Tgt Ion: 94 Resp: 365406
Ion Ratio Lower Upper
94 100
96 93.4 72.3 108.5

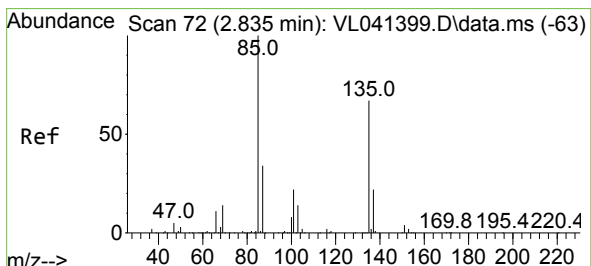
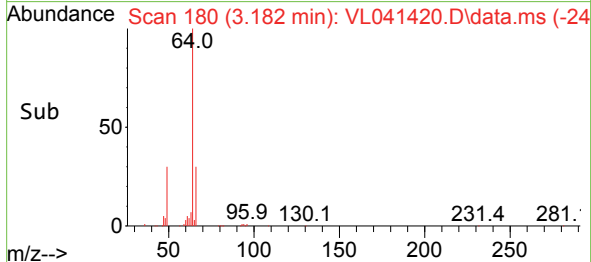
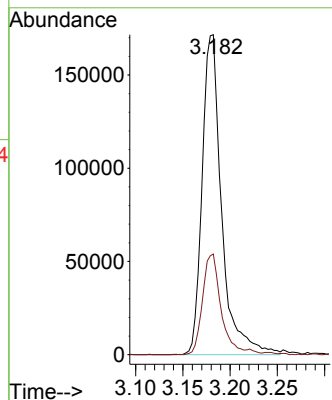
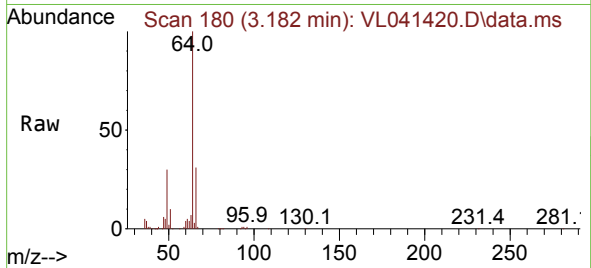




#7
Chloroethane
Concen: 9.869 ppbv
RT: 3.182 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL041420.D
Acq: 29 Jul 2024 8:19

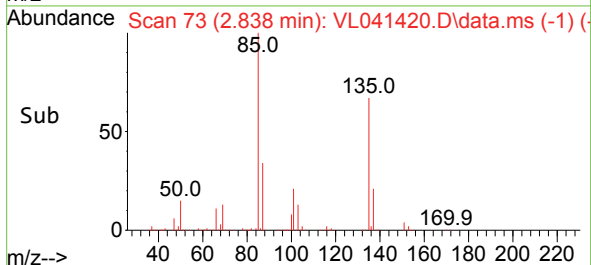
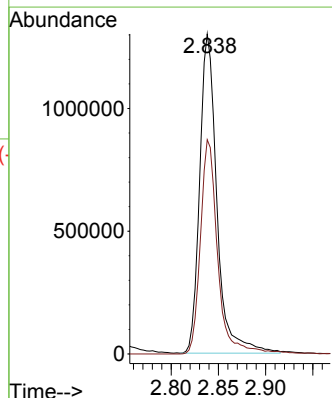
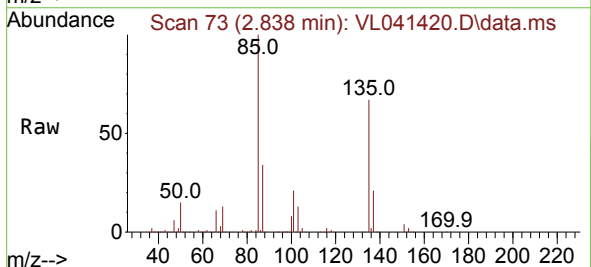
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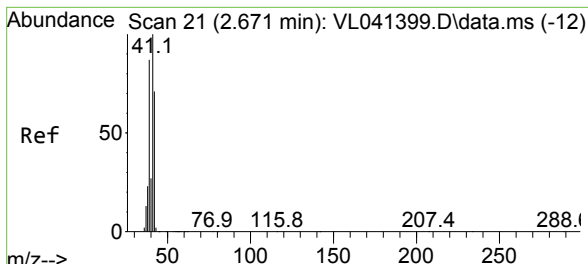
Tgt Ion: 64 Resp: 246291
Ion Ratio Lower Upper
64 100
66 31.4 24.2 36.2



#8
Dichlorotetrafluoroethane
Concen: 9.359 ppbv
RT: 2.838 min Scan# 73
Delta R.T. 0.000 min
Lab File: VL041420.D
Acq: 29 Jul 2024 8:19

Tgt Ion: 85 Resp: 1652912
Ion Ratio Lower Upper
85 100
135 67.7 55.4 83.0

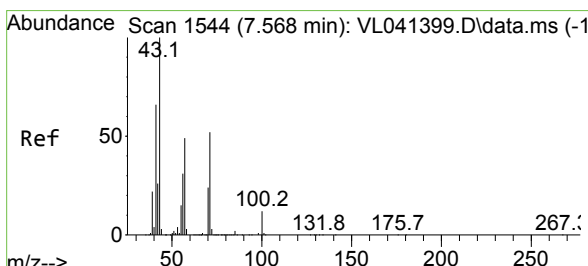
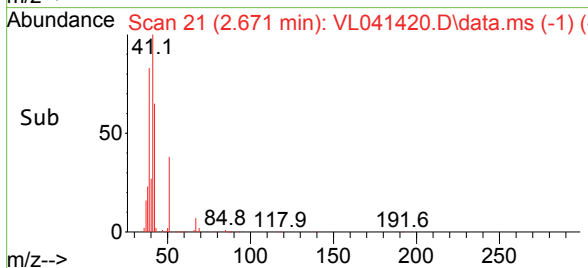
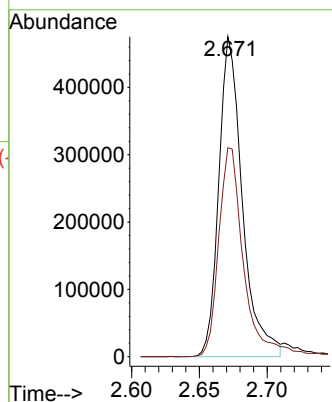
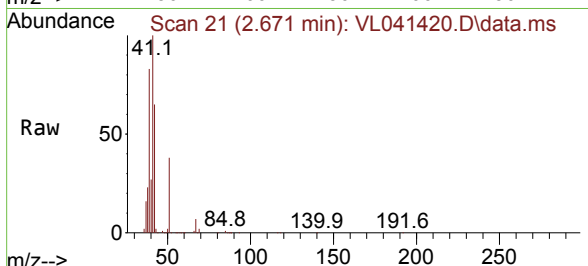




#9
 Propene
 Concen: 9.071 ppbv
 RT: 2.671 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VL041420.D
 Acq: 29 Jul 2024 8:19

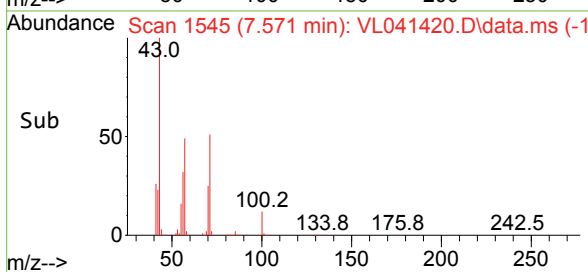
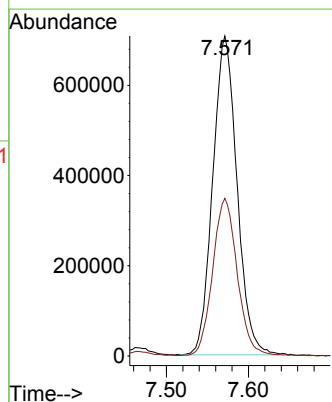
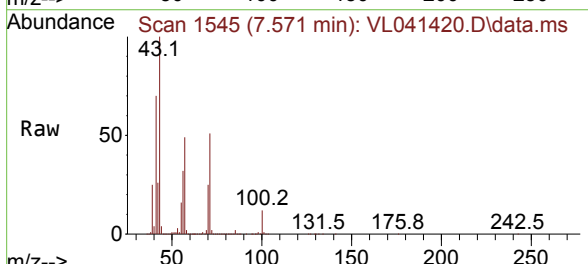
Instrument :
 MSVOA_L
 ClientSampleId :

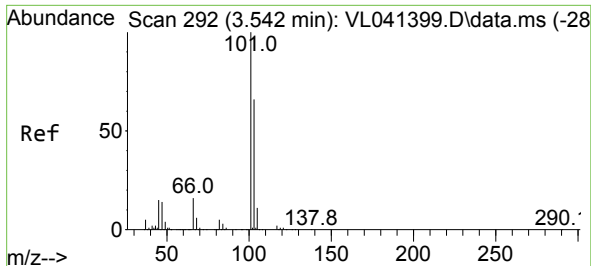
Tgt Ion: 41 Resp: 574787
 Ion Ratio Lower Upper
 41 100
 42 70.4 55.9 83.9



#10
 Heptane
 Concen: 10.200 ppbv
 RT: 7.571 min Scan# 1545
 Delta R.T. 0.000 min
 Lab File: VL041420.D
 Acq: 29 Jul 2024 8:19

Tgt Ion: 43 Resp: 1452179
 Ion Ratio Lower Upper
 43 100
 57 50.3 40.5 60.7

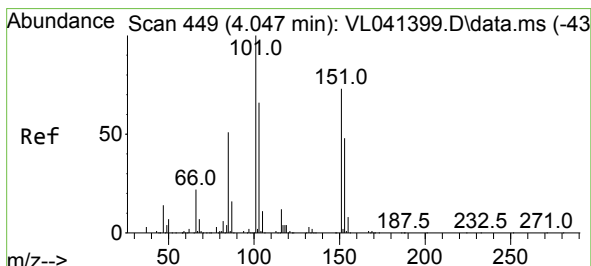
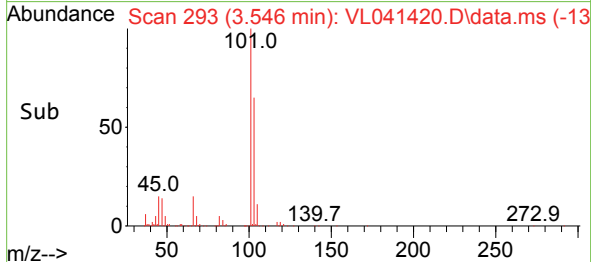
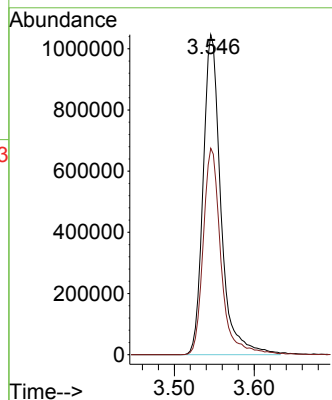
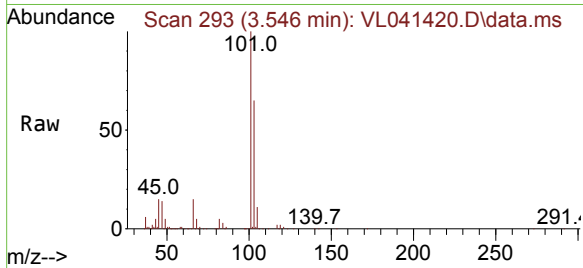




#11
 Trichlorofluoromethane
 Concen: 9.122 ppbv
 RT: 3.546 min Scan# 292
 Delta R.T. 0.000 min
 Lab File: VL041420.D
 Acq: 29 Jul 2024 8:19

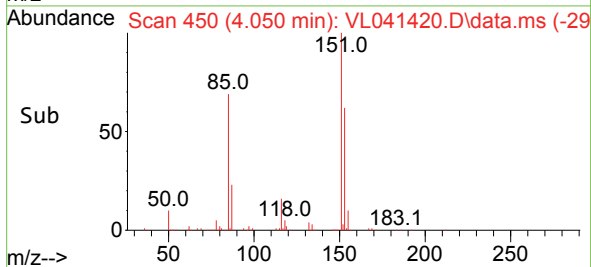
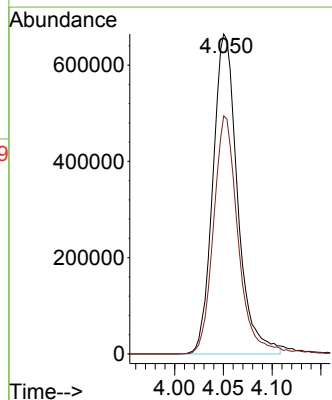
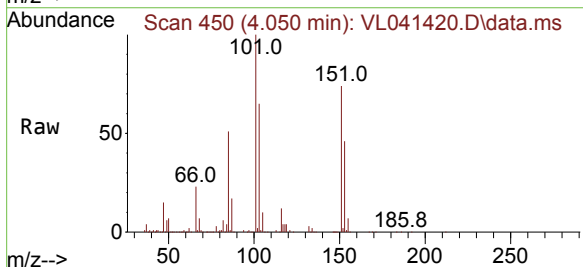
Instrument :
 MSVOA_L
 ClientSampleId :

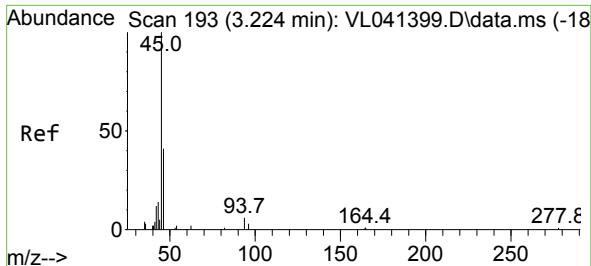
Tgt Ion:101 Resp: 1614796
 Ion Ratio Lower Upper
 101 100
 103 64.5 52.6 79.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.192 ppbv
 RT: 4.050 min Scan# 450
 Delta R.T. 0.000 min
 Lab File: VL041420.D
 Acq: 29 Jul 2024 8:19

Tgt Ion:101 Resp: 1171723
 Ion Ratio Lower Upper
 101 100
 151 74.6 59.4 89.2

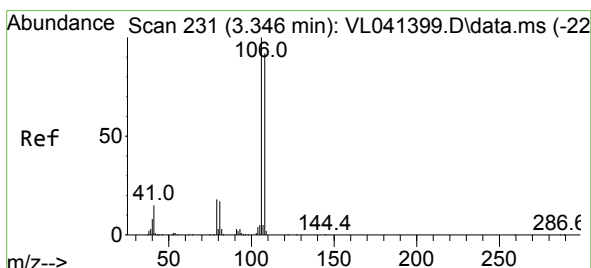
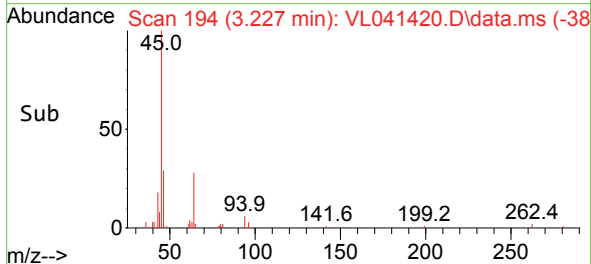
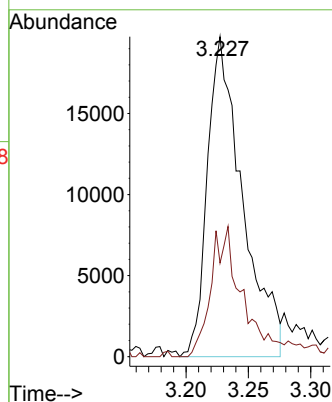
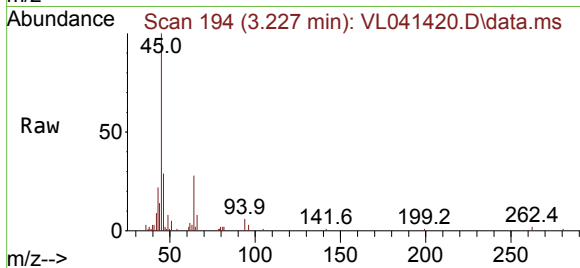




#13
Ethanol
Concen: 6.835 ppbv
RT: 3.227 min Scan# 193
Delta R.T. 0.000 min
Lab File: VL041420.D
Acq: 29 Jul 2024 8:19

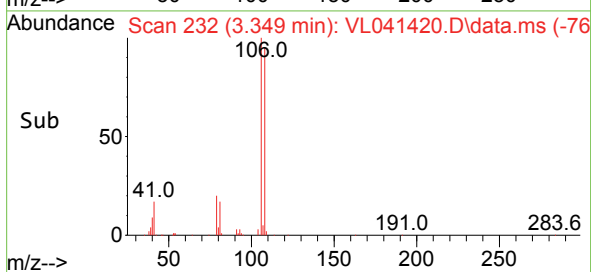
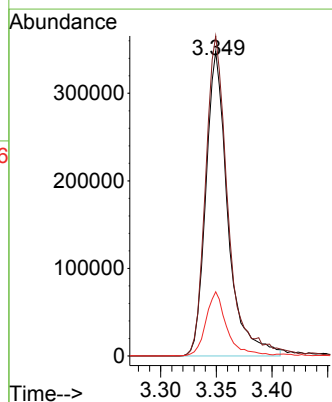
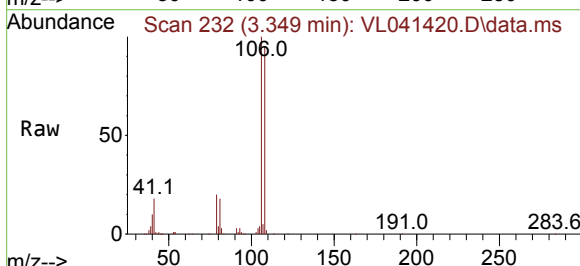
Instrument :
MSVOA_L
ClientSampleId :

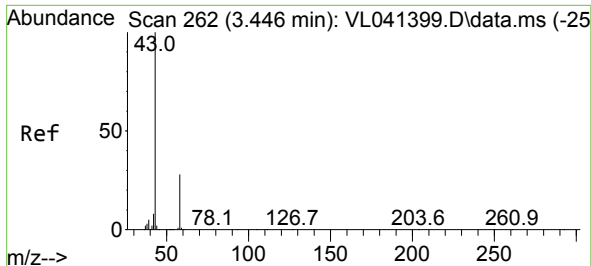
Tgt Ion: 45 Resp: 38708
Ion Ratio Lower Upper
45 100
46 41.1 13.4 53.4



#14
Bromoethene
Concen: 9.636 ppbv
RT: 3.349 min Scan# 232
Delta R.T. 0.000 min
Lab File: VL041420.D
Acq: 29 Jul 2024 8:19

Tgt Ion:108 Resp: 478887
Ion Ratio Lower Upper
108 100
106 109.3 86.9 130.3
79 20.9 16.2 24.4

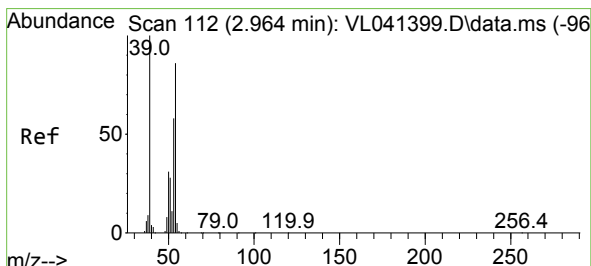
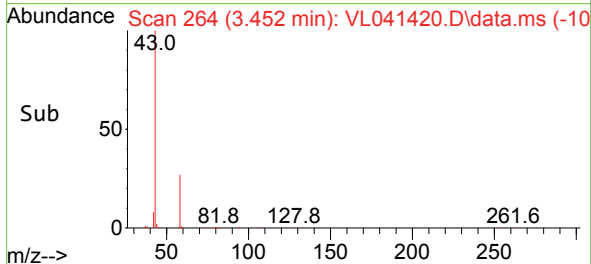
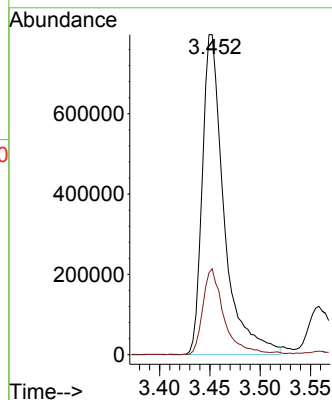
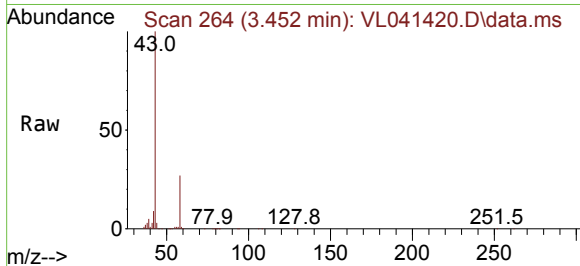




#15
Acetone
Concen: 9.110 ppbv
RT: 3.452 min Scan# 20
Delta R.T. 0.000 min
Lab File: VL041420.D
Acq: 29 Jul 2024 8:19

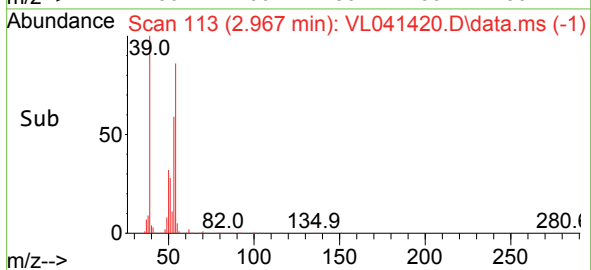
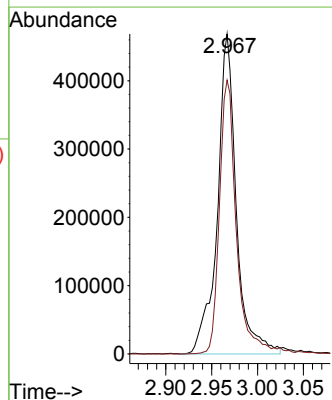
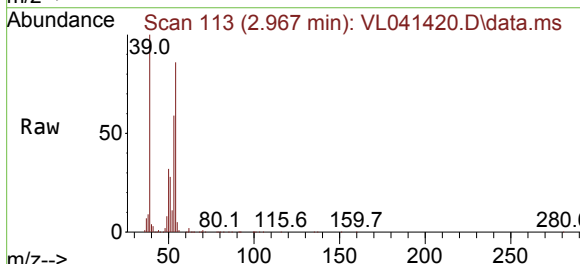
Instrument :
MSVOA_L
ClientSampleId :

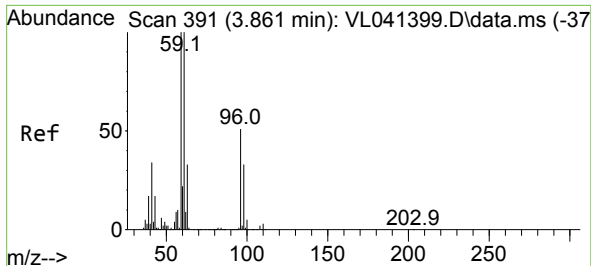
Tgt Ion: 43 Resp: 1199277
Ion Ratio Lower Upper
43 100
58 26.7 21.4 32.2



#16
1,3-Butadiene
Concen: 9.601 ppbv
RT: 2.967 min Scan# 113
Delta R.T. 0.000 min
Lab File: VL041420.D
Acq: 29 Jul 2024 8:19

Tgt Ion: 39 Resp: 675326
Ion Ratio Lower Upper
39 100
54 77.7 62.5 93.7

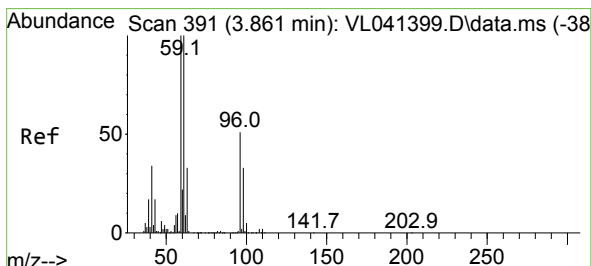
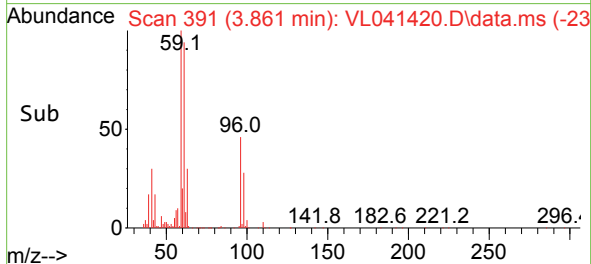
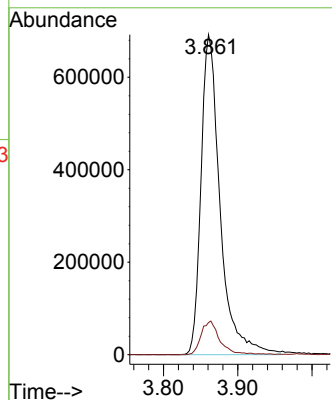
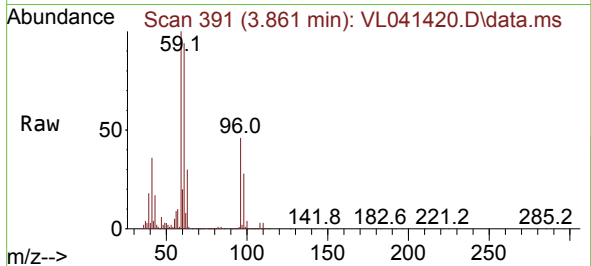




#17
tert-Butyl alcohol
Concen: 10.280 ppbv
RT: 3.861 min Scan# 391
Delta R.T. 0.000 min
Lab File: VL041420.D
Acq: 29 Jul 2024 8:19

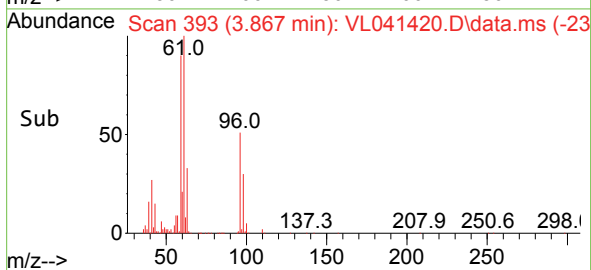
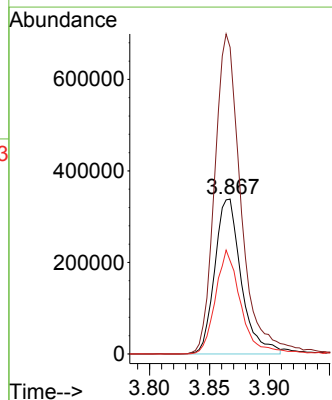
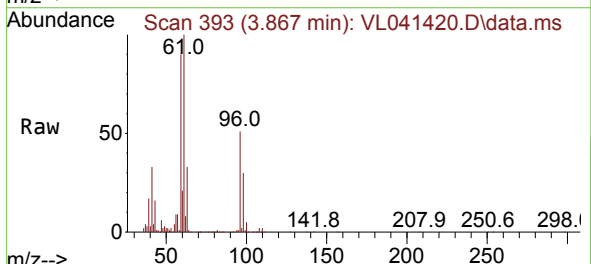
Instrument :
MSVOA_L
ClientSampleId :

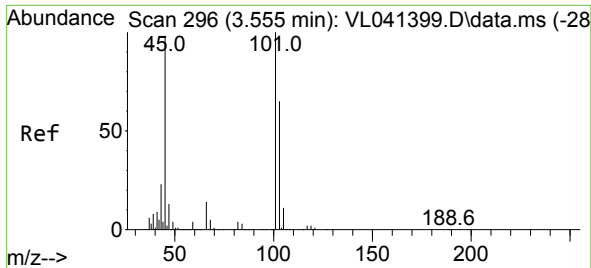
Tgt Ion: 59 Resp: 1234275
Ion Ratio Lower Upper
59 100
57 10.5 8.6 12.8



#18
1,1-Dichloroethene
Concen: 9.532 ppbv
RT: 3.867 min Scan# 393
Delta R.T. 0.000 min
Lab File: VL041420.D
Acq: 29 Jul 2024 8:19

Tgt Ion: 96 Resp: 519749
Ion Ratio Lower Upper
96 100
61 197.9 157.5 236.3
98 60.1 51.2 76.8





#19

Isopropyl Alcohol

Concen: 9.717 ppbv

RT: 3.562 min Scan# 296

Delta R.T. 0.000 min

Lab File: VL041420.D

Acq: 29 Jul 2024 8:19

Instrument :

MSVOA_L

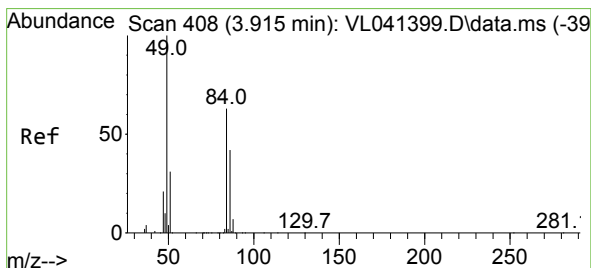
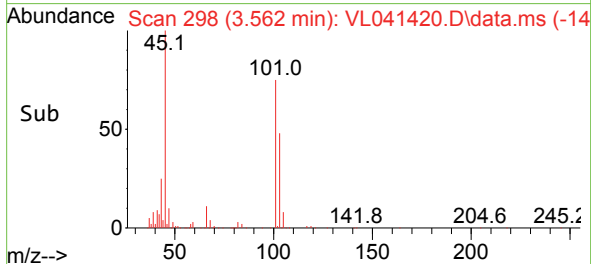
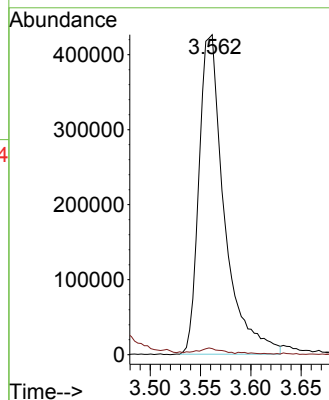
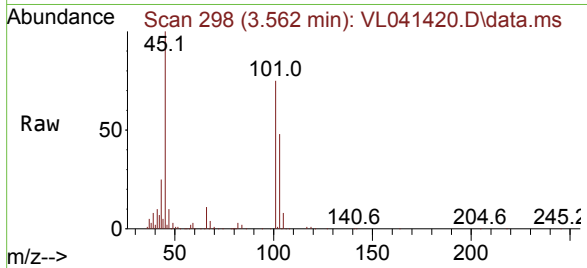
ClientSampleId :

Tgt Ion: 45 Resp: 747849

Ion Ratio Lower Upper

45 100

58 2.7 1.9 2.9



#20

Methylene Chloride

Concen: 8.782 ppbv

RT: 3.918 min Scan# 409

Delta R.T. 0.000 min

Lab File: VL041420.D

Acq: 29 Jul 2024 8:19

Tgt Ion: 84 Resp: 431112

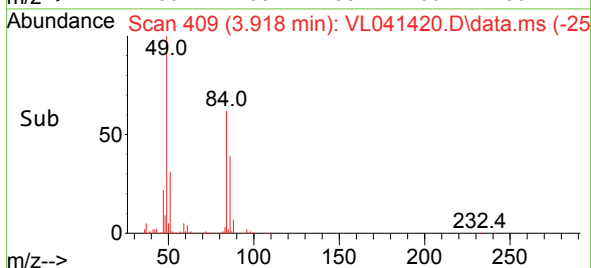
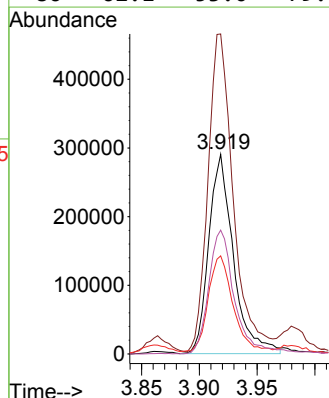
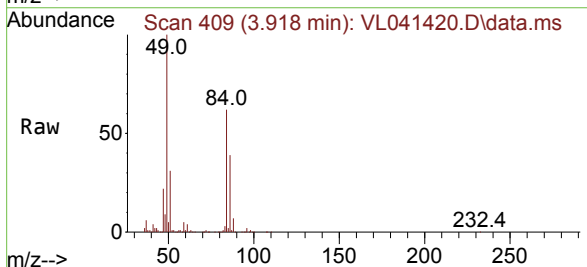
Ion Ratio Lower Upper

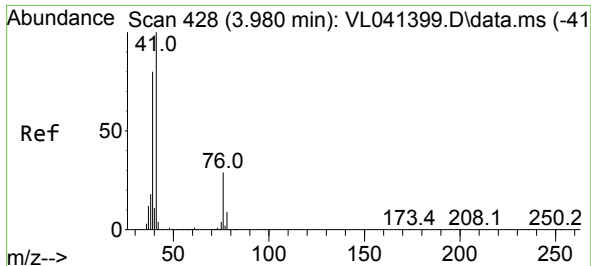
84 100

49 158.8 126.6 190.0

51 48.0 38.6 58.0

86 62.1 53.0 79.4

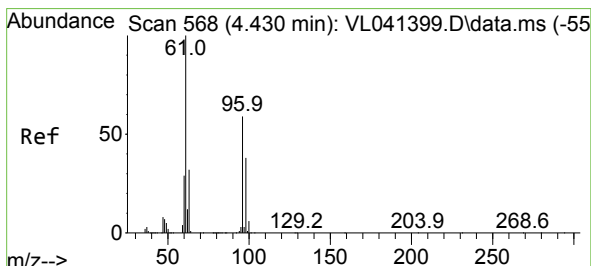
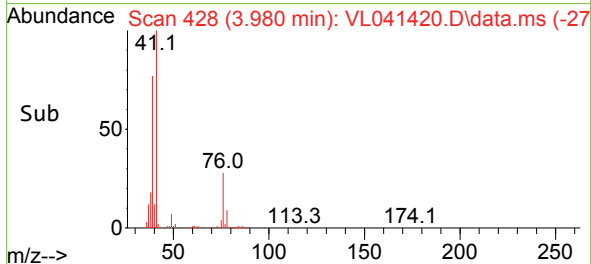
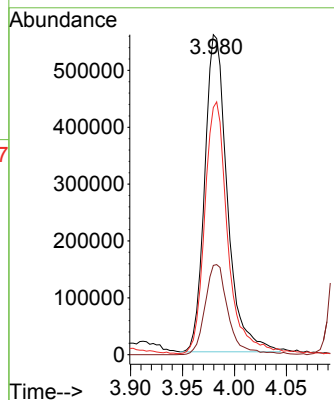
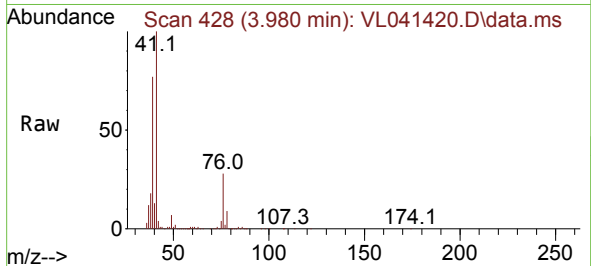




#21
 Allyl Chloride
 Concen: 9.791 ppbv
 RT: 3.980 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL041420.D
 Acq: 29 Jul 2024 8:19

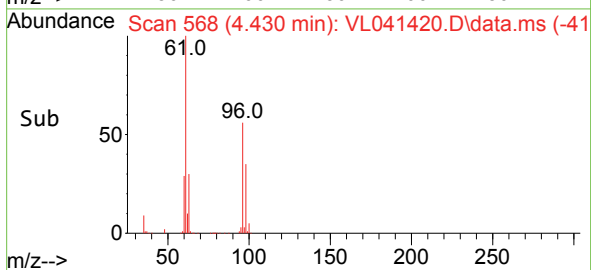
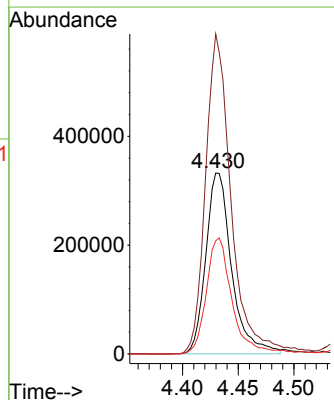
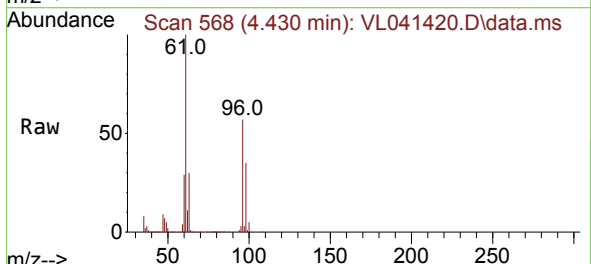
Instrument :
 MSVOA_L
 ClientSampleId :

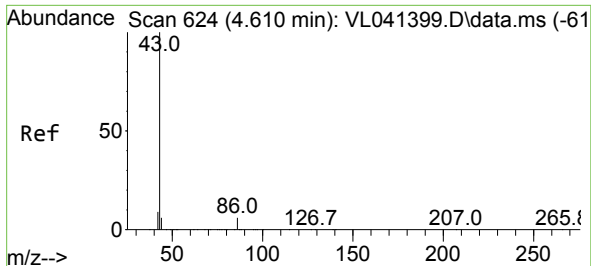
Tgt Ion: 41 Resp: 845364
 Ion Ratio Lower Upper
 41 100
 76 29.1 23.7 35.5
 39 81.5 64.3 96.5



#22
 trans-1,2-Dichloroethene
 Concen: 9.824 ppbv
 RT: 4.430 min Scan# 568
 Delta R.T. 0.000 min
 Lab File: VL041420.D
 Acq: 29 Jul 2024 8:19

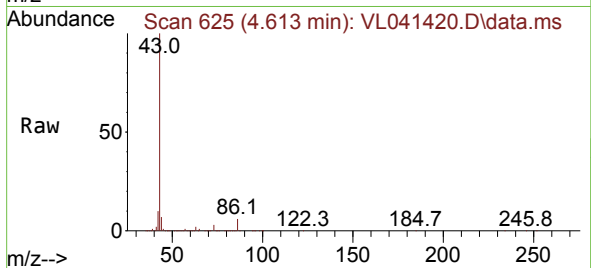
Tgt Ion: 96 Resp: 535624
 Ion Ratio Lower Upper
 96 100
 61 176.8 135.4 203.2
 98 62.5 51.0 76.4





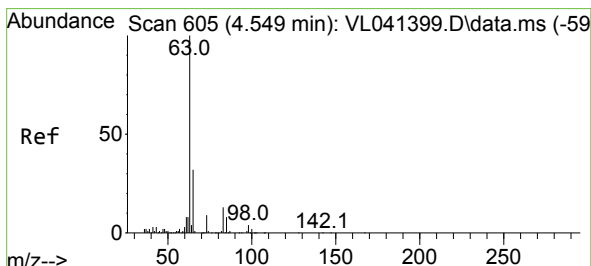
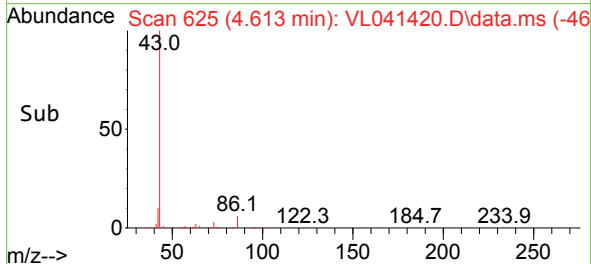
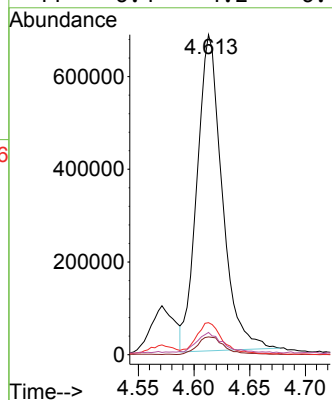
#23
 Vinyl Acetate
 Concen: 10.629 ppbv
 RT: 4.613 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VL041420.D
 Acq: 29 Jul 2024 8:19

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion: 43 Resp: 1068724

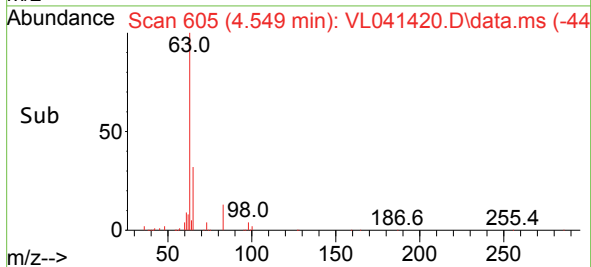
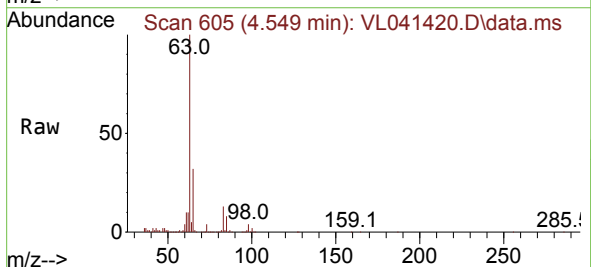
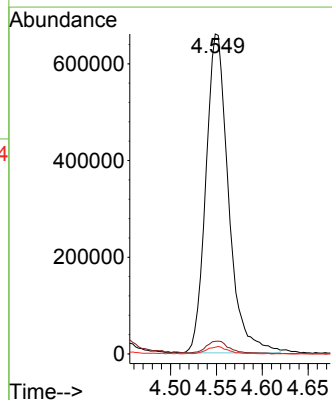
Ion	Ratio	Lower	Upper
43	100		
86	5.6	4.6	6.8
42	9.7	7.9	11.9
44	6.4	4.2	6.4

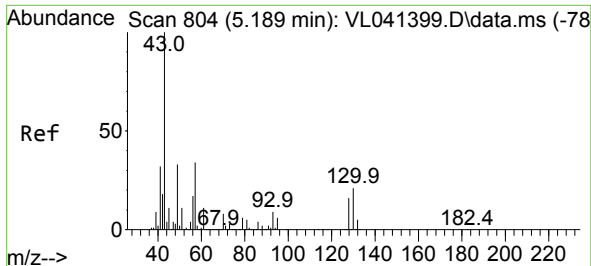


#24
 1,1-Dichloroethane
 Concen: 9.549 ppbv
 RT: 4.549 min Scan# 605
 Delta R.T. 0.000 min
 Lab File: VL041420.D
 Acq: 29 Jul 2024 8:19

Tgt Ion: 63 Resp: 1130436

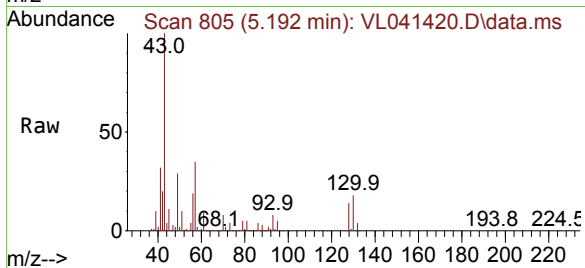
Ion	Ratio	Lower	Upper
63	100		
98	3.8	2.0	6.0
100	2.0	1.2	3.6





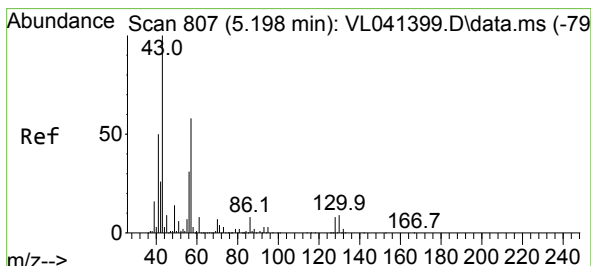
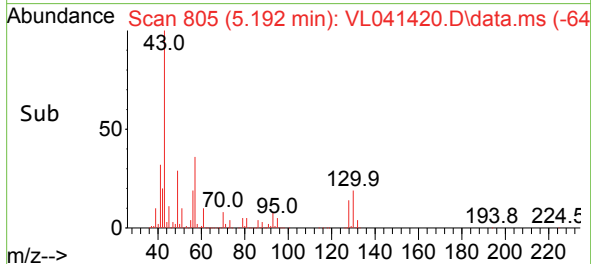
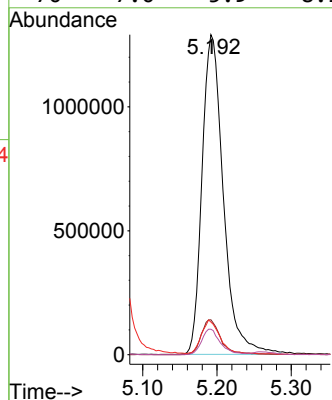
#25
Ethyl Acetate
Concen: 9.823 ppbv
RT: 5.192 min Scan# 804
Delta R.T. 0.000 min
Lab File: VL041420.D
Acq: 29 Jul 2024 8:19

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion: 43 Resp: 2569007

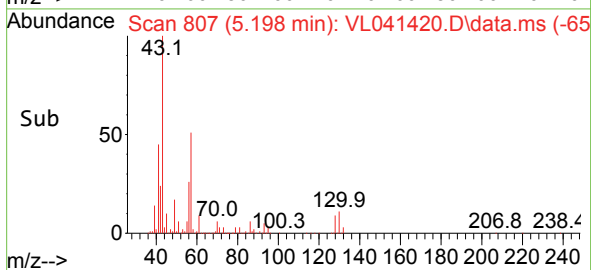
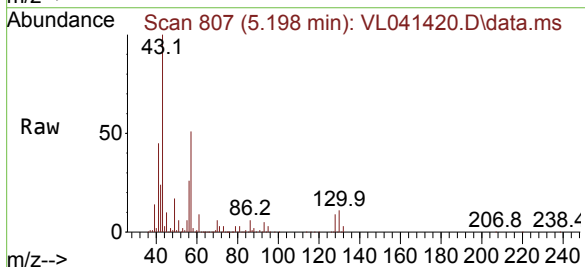
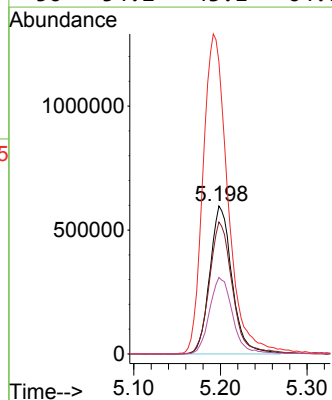
Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.5	12.7
61	9.8	8.0	12.0
70	7.0	5.9	8.9

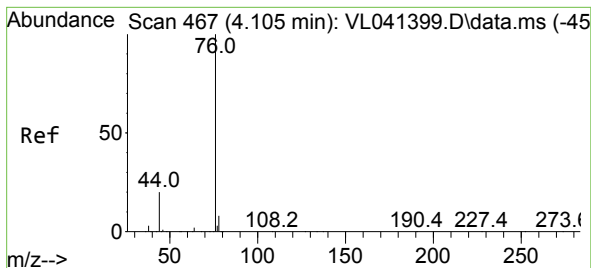


#26
Hexane
Concen: 9.818 ppbv
RT: 5.198 min Scan# 807
Delta R.T. 0.000 min
Lab File: VL041420.D
Acq: 29 Jul 2024 8:19

Tgt Ion: 57 Resp: 1065238

Ion	Ratio	Lower	Upper
57	100		
41	92.9	74.0	111.0
43	243.6	193.6	290.4
56	54.2	43.1	64.7





#27

Carbon Disulfide

Concen: 10.281 ppbv

RT: 4.108 min Scan# 4

Delta R.T. 0.000 min

Lab File: VL041420.D

Acq: 29 Jul 2024 8:19

Instrument :

MSVOA_L

ClientSampleId :

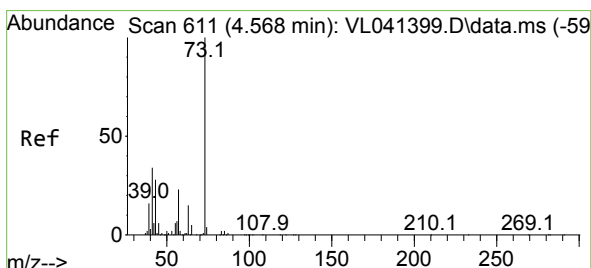
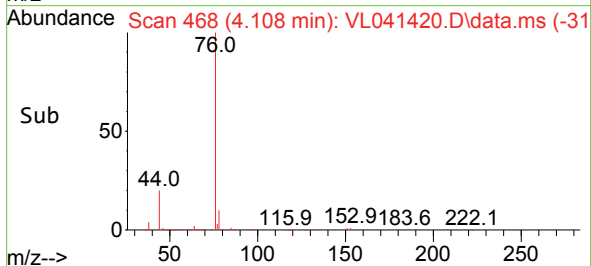
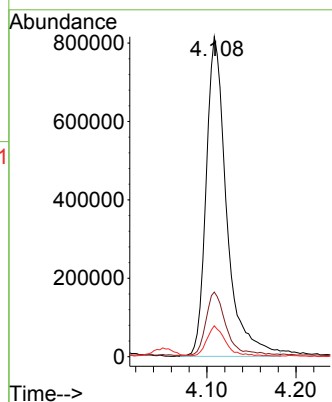
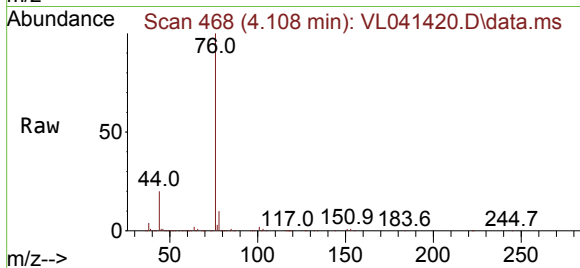
Tgt Ion: 76 Resp: 1304877

Ion Ratio Lower Upper

76 100

44 19.9 15.6 23.4

78 9.5 7.7 11.5



#28

Methyl tert-Butyl Ether

Concen: 9.588 ppbv

RT: 4.571 min Scan# 612

Delta R.T. 0.000 min

Lab File: VL041420.D

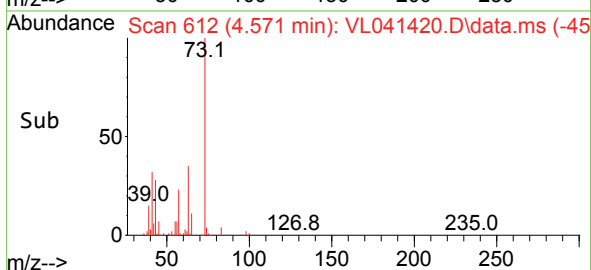
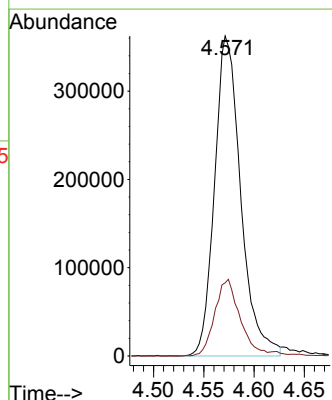
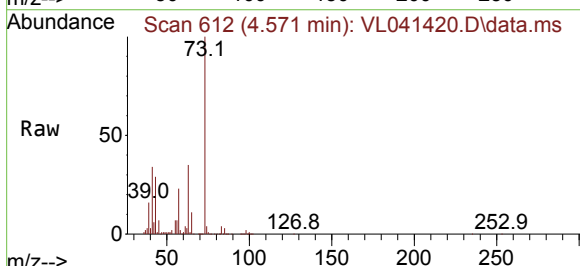
Acq: 29 Jul 2024 8:19

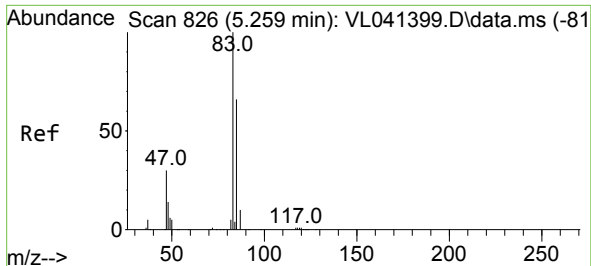
Tgt Ion: 73 Resp: 656011

Ion Ratio Lower Upper

73 100

57 24.1 18.9 28.3





#29

Chloroform

Concen: 9.478 ppbv

RT: 5.263 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL041420.D

Acq: 29 Jul 2024 8:19

Instrument :

MSVOA_L

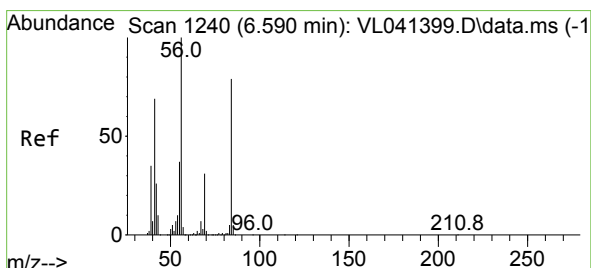
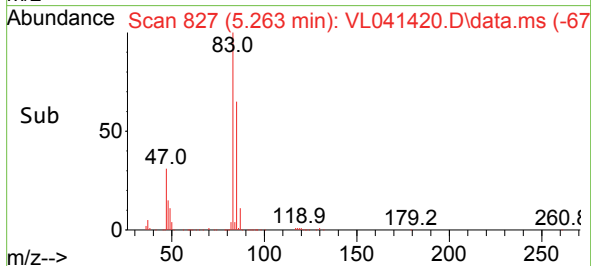
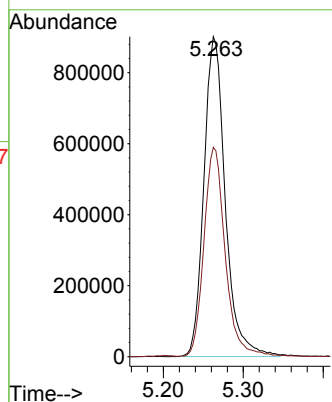
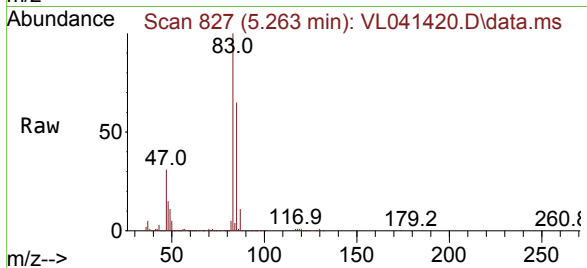
ClientSampleId :

Tgt Ion: 83 Resp: 1677280

Ion Ratio Lower Upper

83 100

85 65.2 53.1 79.7



#30

Cyclohexane

Concen: 10.495 ppbv

RT: 6.594 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VL041420.D

Acq: 29 Jul 2024 8:19

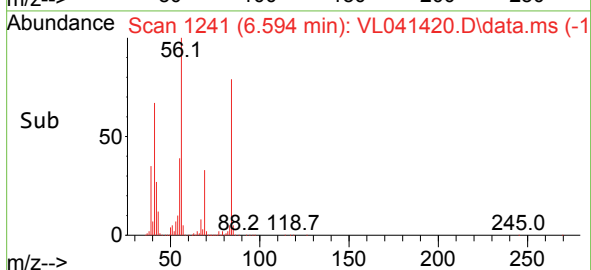
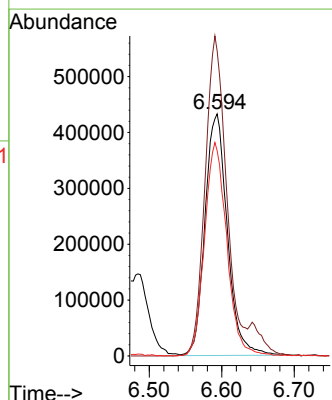
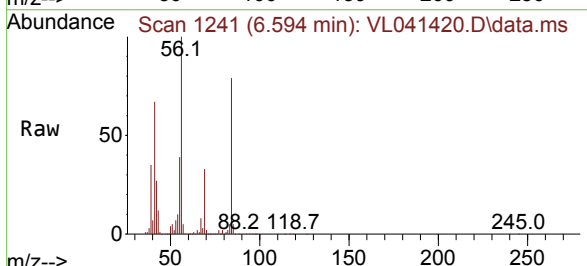
Tgt Ion: 84 Resp: 927243

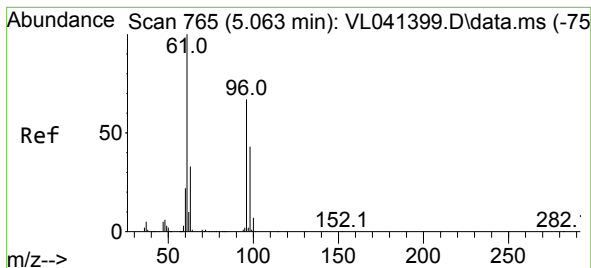
Ion Ratio Lower Upper

84 100

56 135.4 111.2 166.8

41 87.5 70.3 105.5





#31

cis-1,2-Dichloroethene

Concen: 9.773 ppbv

RT: 5.066 min Scan# 765

Delta R.T. 0.000 min

Lab File: VL041420.D

Acq: 29 Jul 2024 8:19

Instrument :

MSVOA_L

ClientSampleId :

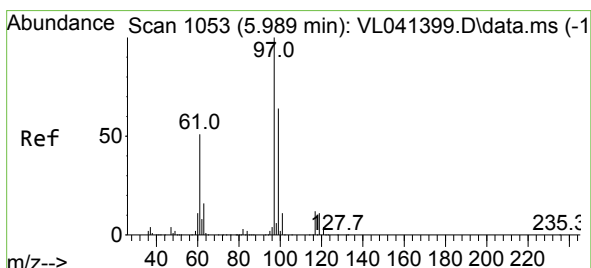
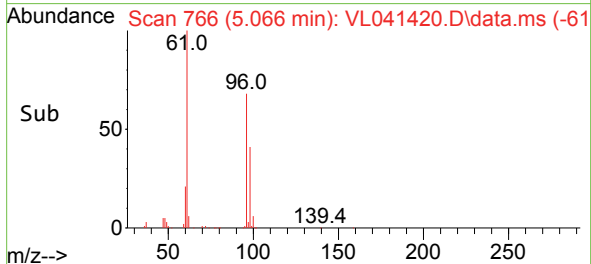
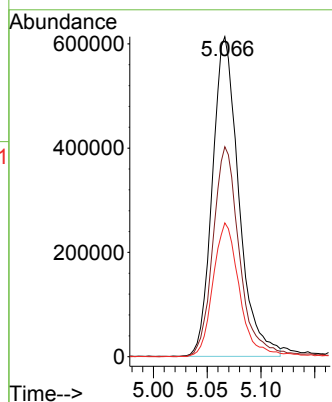
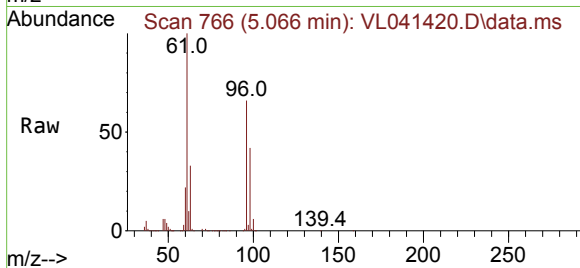
Tgt Ion: 61 Resp: 1047405

Ion Ratio Lower Upper

61 100

96 65.6 53.4 80.2

98 41.7 34.4 51.6



#32

1,1,1-Trichloroethane

Concen: 9.569 ppbv

RT: 5.992 min Scan# 1054

Delta R.T. 0.000 min

Lab File: VL041420.D

Acq: 29 Jul 2024 8:19

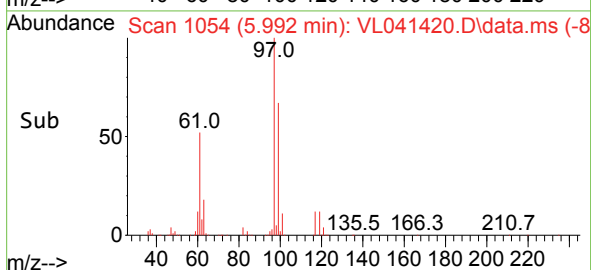
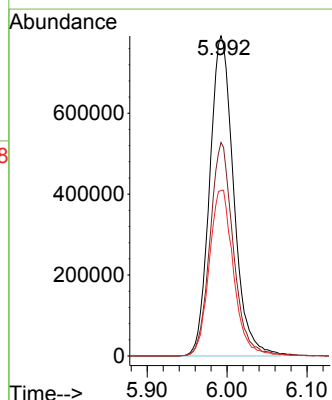
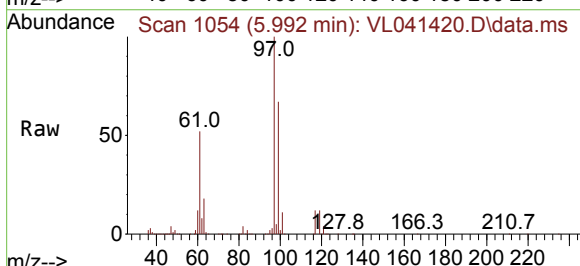
Tgt Ion: 97 Resp: 1648336

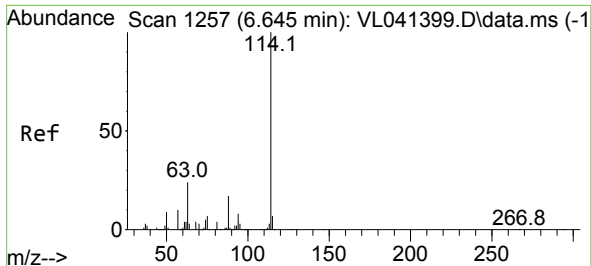
Ion Ratio Lower Upper

97 100

99 65.2 52.0 78.0

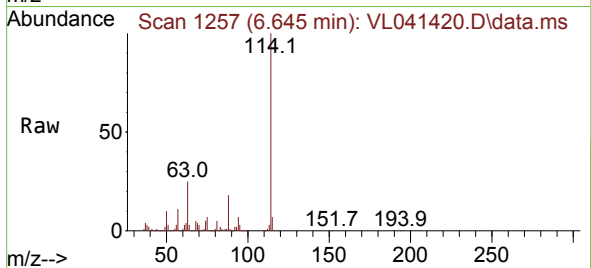
61 52.6 41.8 62.8



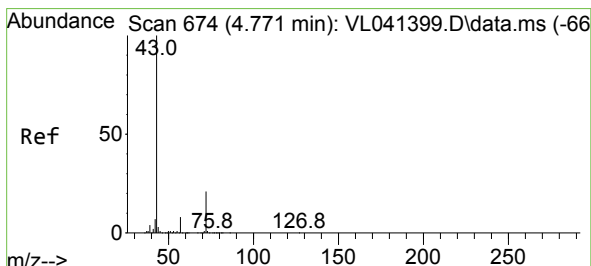
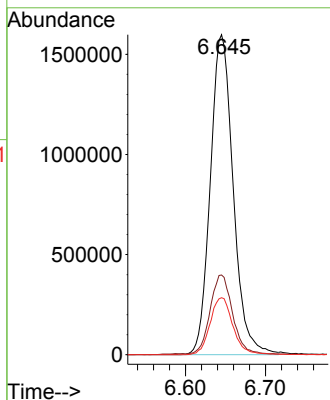
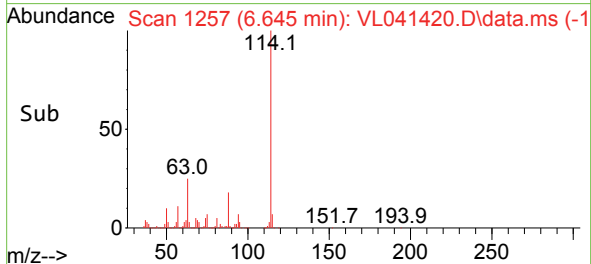


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.645 min Scan# 114
Delta R.T. 0.000 min
Lab File: VL041420.D
Acq: 29 Jul 2024 8:19

Instrument :
MSVOA_L
ClientSampleId :

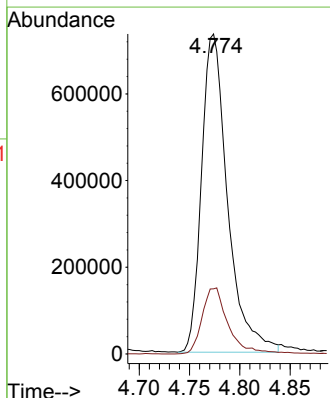
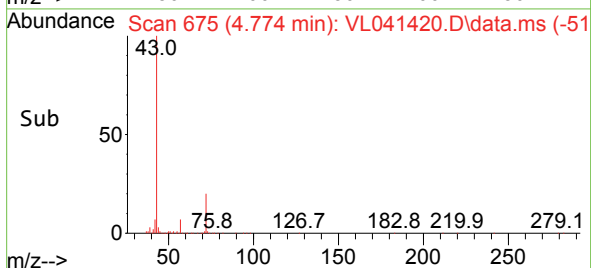
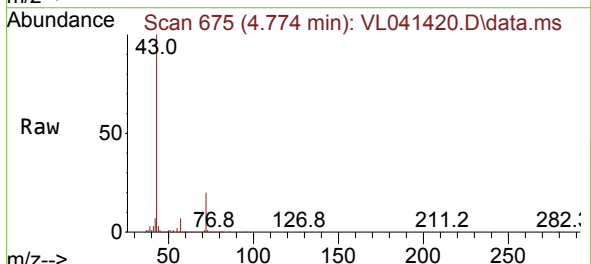


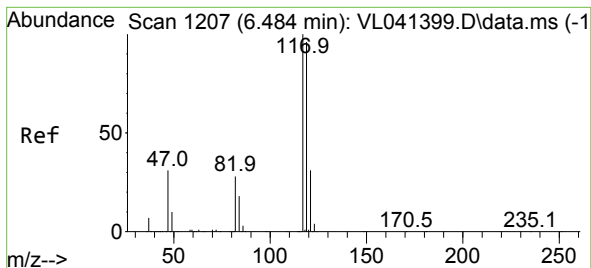
Tgt Ion:114 Resp: 3171392
Ion Ratio Lower Upper
114 100
63 25.1 20.3 30.5
88 17.8 14.3 21.5



#34
2-Butanone
Concen: 8.632 ppbv
RT: 4.774 min Scan# 675
Delta R.T. 0.000 min
Lab File: VL041420.D
Acq: 29 Jul 2024 8:19

Tgt Ion: 43 Resp: 1324291
Ion Ratio Lower Upper
43 100
72 21.3 17.3 25.9





#35

Carbon Tetrachloride

Concen: 10.036 ppbv

RT: 6.484 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL041420.D

Acq: 29 Jul 2024 8:19

Instrument :

MSVOA_L

ClientSampleId :

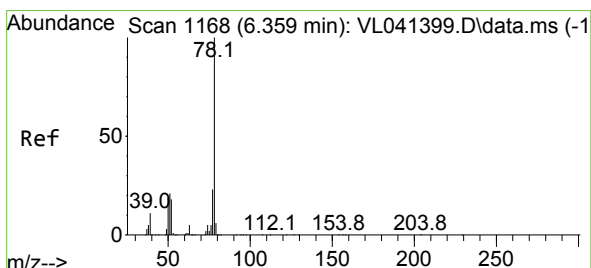
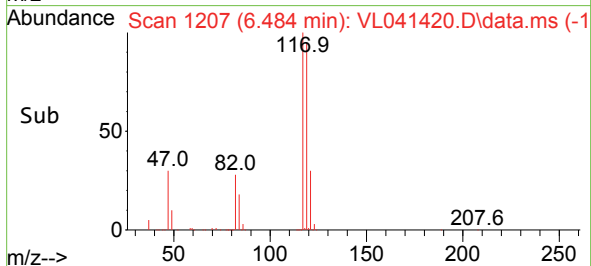
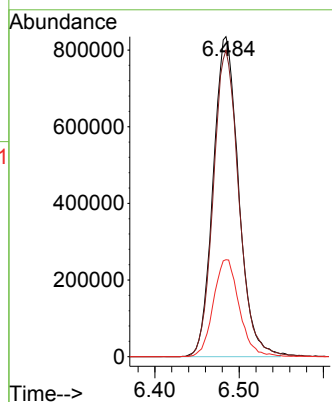
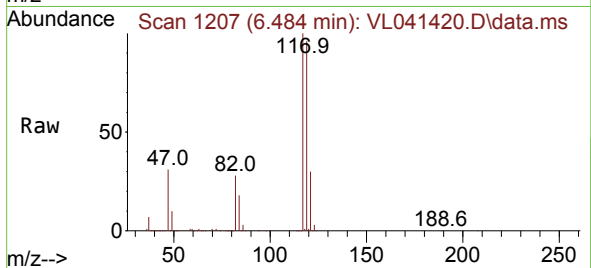
Tgt Ion:117 Resp: 1755494

Ion Ratio Lower Upper

117 100

119 95.8 76.6 115.0

121 30.3 25.1 37.7



#36

Benzene

Concen: 9.914 ppbv

RT: 6.359 min Scan# 1168

Delta R.T. 0.000 min

Lab File: VL041420.D

Acq: 29 Jul 2024 8:19

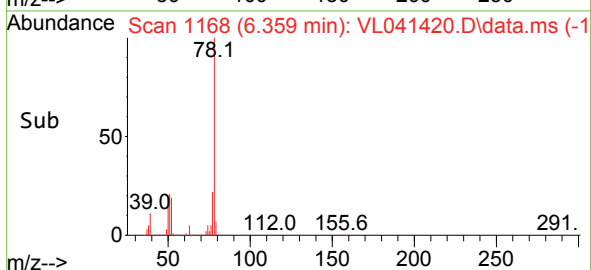
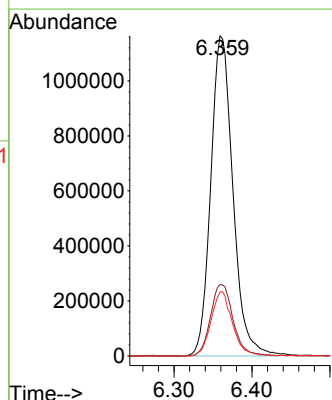
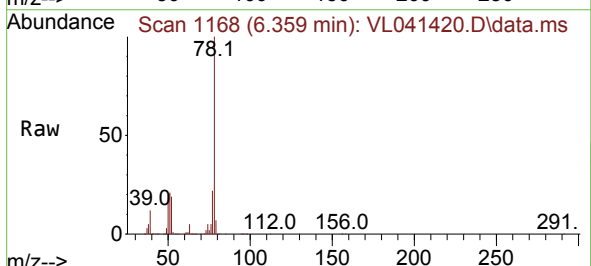
Tgt Ion: 78 Resp: 2297398

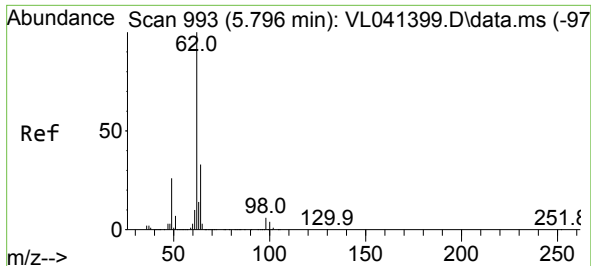
Ion Ratio Lower Upper

78 100

77 22.3 18.1 27.1

50 19.9 15.5 23.3





#37

1,2-Dichloroethane

Concen: 9.972 ppbv

RT: 5.796 min Scan# 993

Delta R.T. 0.000 min

Lab File: VL041420.D

Acq: 29 Jul 2024 8:19

Instrument :

MSVOA_L

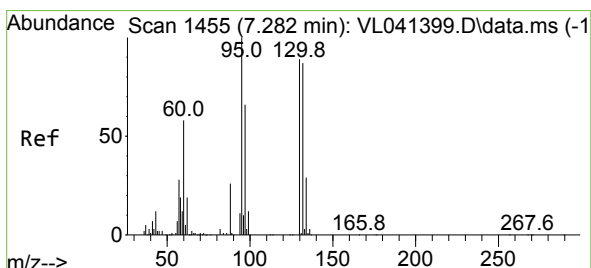
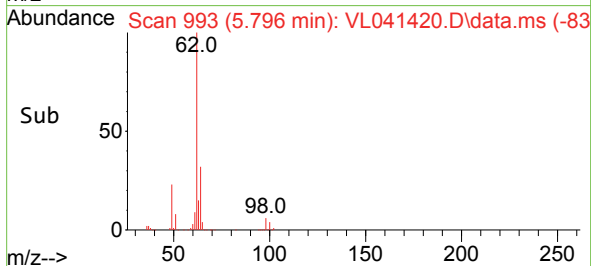
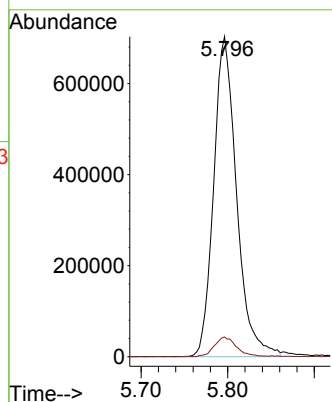
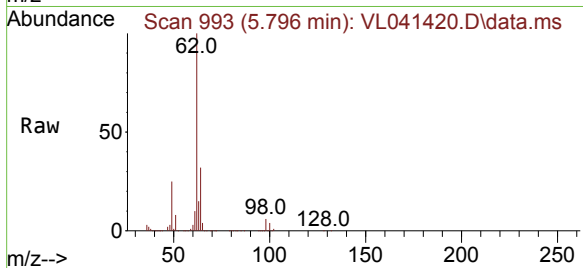
ClientSampleId :

Tgt Ion: 62 Resp: 1293301

Ion Ratio Lower Upper

62 100

98 6.2 5.0 7.4



#38

Trichloroethene

Concen: 10.181 ppbv

RT: 7.282 min Scan# 1455

Delta R.T. 0.000 min

Lab File: VL041420.D

Acq: 29 Jul 2024 8:19

Tgt Ion:130 Resp: 1080879

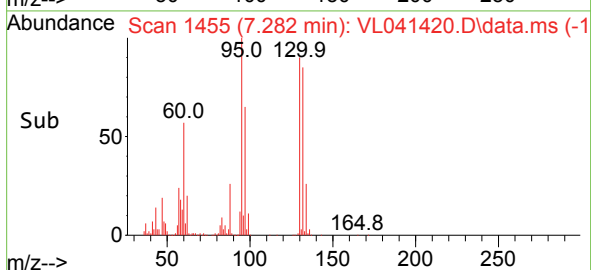
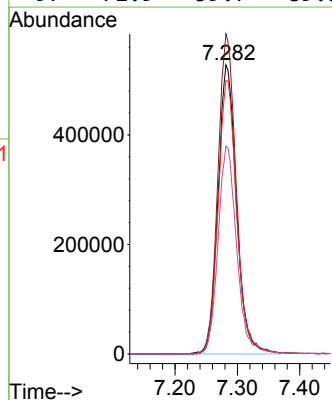
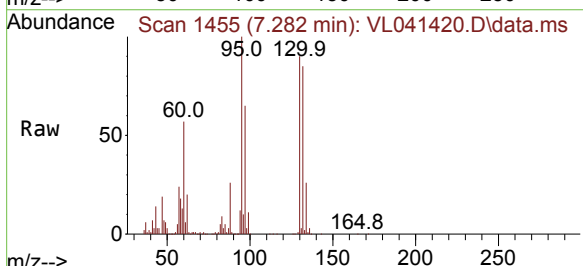
Ion Ratio Lower Upper

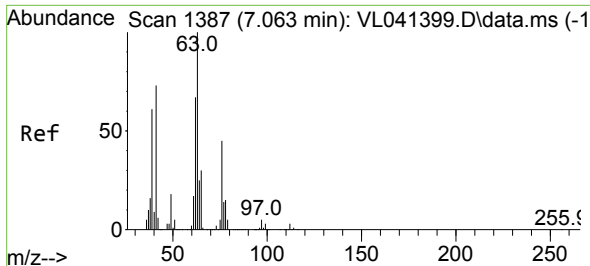
130 100

95 110.7 90.2 135.2

132 94.6 78.1 117.1

97 71.9 59.7 89.5





#39

1,2-Dichloropropane

Concen: 9.952 ppbv

RT: 7.063 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL041420.D

Acq: 29 Jul 2024 8:19

Instrument :

MSVOA_L

ClientSampleId :

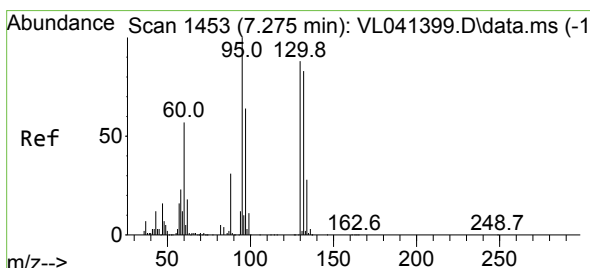
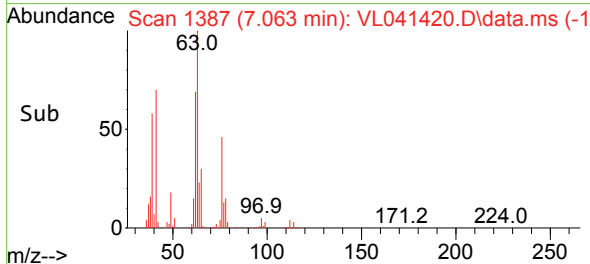
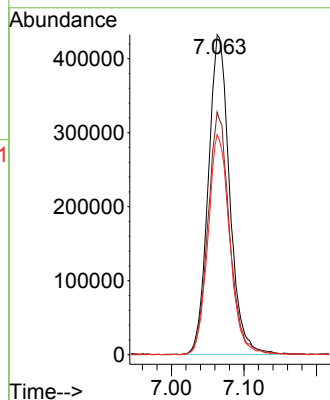
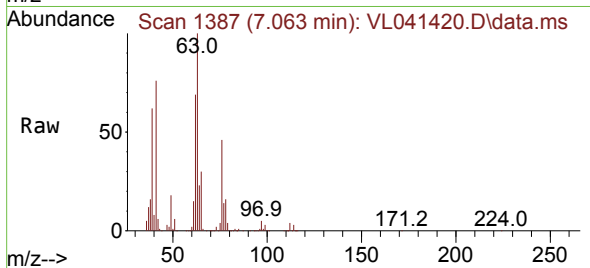
Tgt Ion: 63 Resp: 882920

Ion Ratio Lower Upper

63 100

41 75.9 58.3 87.5

62 68.8 53.9 80.9



#40

1,4-Dioxane

Concen: 9.944 ppbv

RT: 7.275 min Scan# 1453

Delta R.T. 0.000 min

Lab File: VL041420.D

Acq: 29 Jul 2024 8:19

Tgt Ion: 88 Resp: 354417

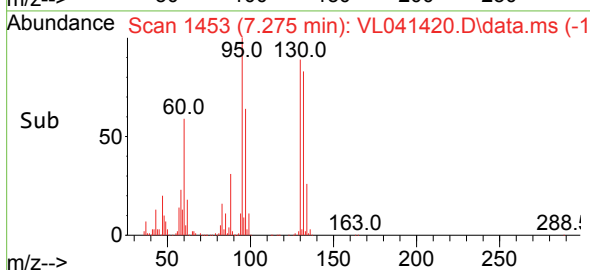
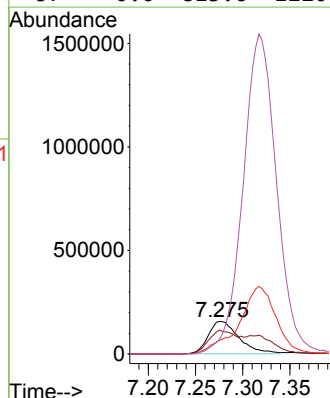
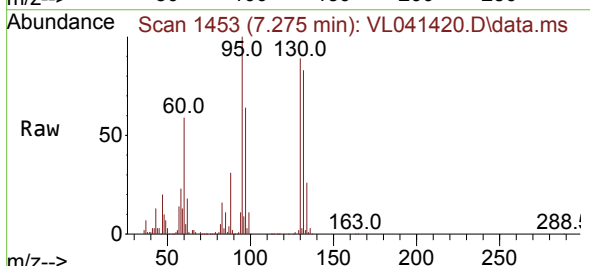
Ion Ratio Lower Upper

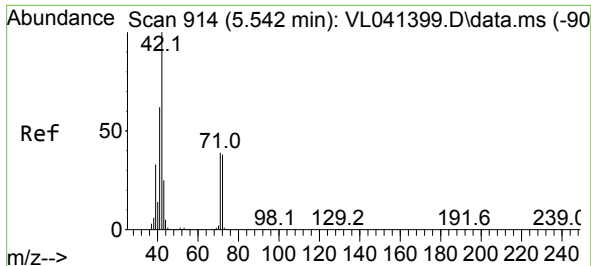
88 100

58 123.6 95.8 143.6

43 0.0 188.2 282.2#

57 0.0 813.6 1220.4#





#41

Tetrahydrofuran

Concen: 10.576 ppbv

RT: 5.545 min Scan# 914

Delta R.T. 0.000 min

Lab File: VL041420.D

Acq: 29 Jul 2024 8:19

Instrument :

MSVOA_L

ClientSampleId :

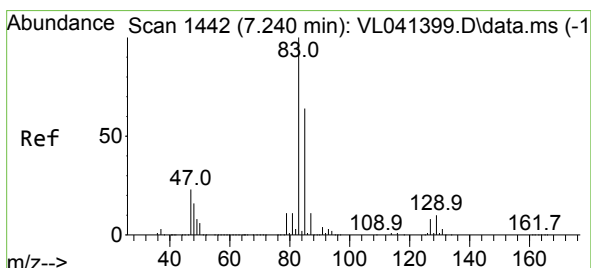
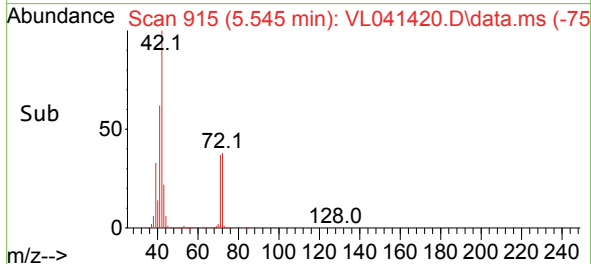
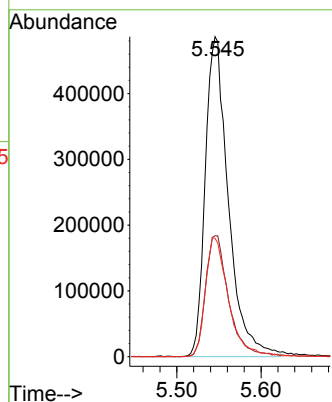
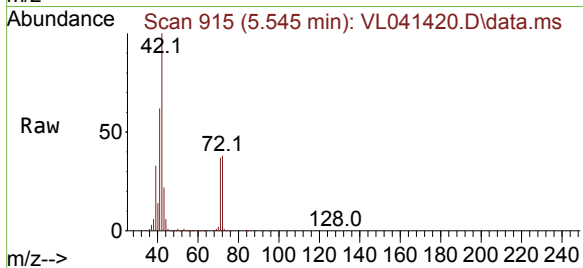
Tgt Ion: 42 Resp: 927948

Ion Ratio Lower Upper

42 100

72 38.2 31.2 46.8

71 37.5 30.5 45.7



#42

Bromodichloromethane

Concen: 10.028 ppbv

RT: 7.240 min Scan# 1442

Delta R.T. 0.000 min

Lab File: VL041420.D

Acq: 29 Jul 2024 8:19

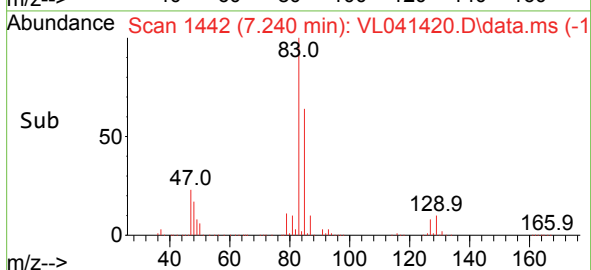
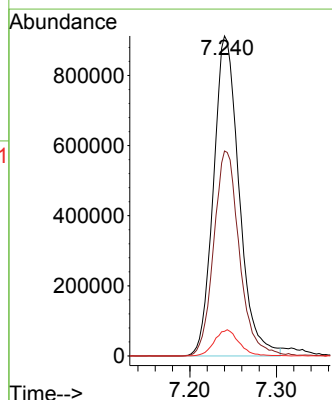
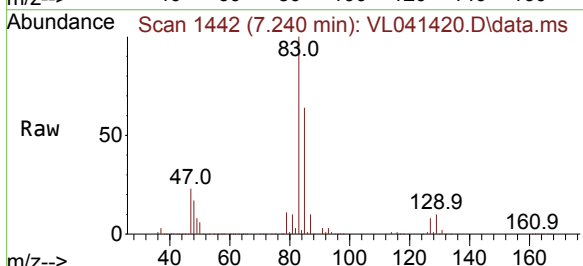
Tgt Ion: 83 Resp: 1877969

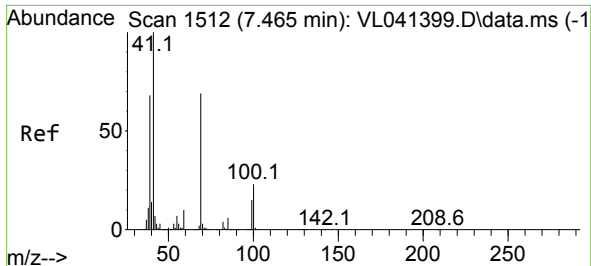
Ion Ratio Lower Upper

83 100

85 64.1 51.4 77.0

127 7.7 6.7 10.1

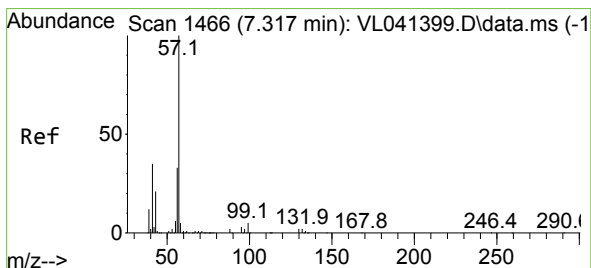
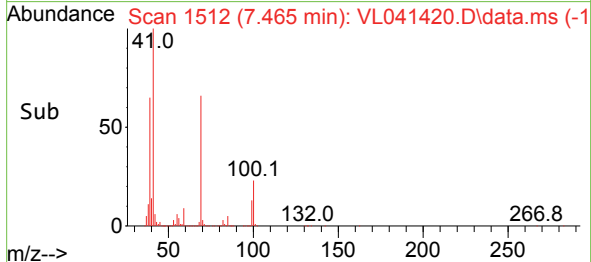
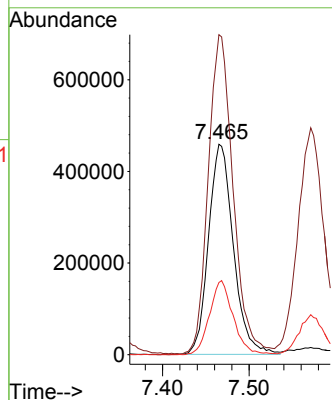
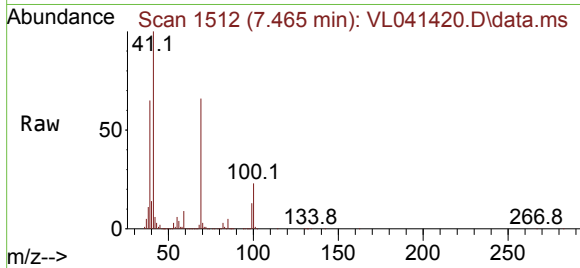




#43
Methyl Methacrylate
Concen: 10.999 ppbv
RT: 7.465 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VL041420.D
Acq: 29 Jul 2024 8:19

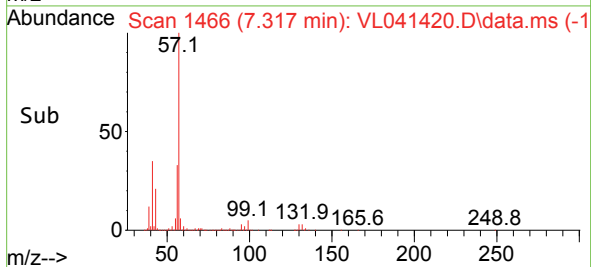
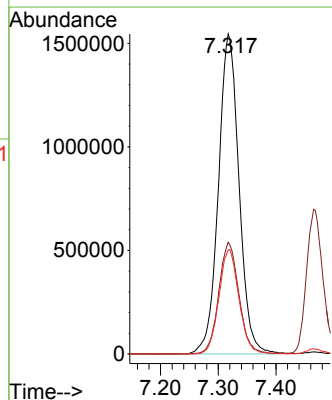
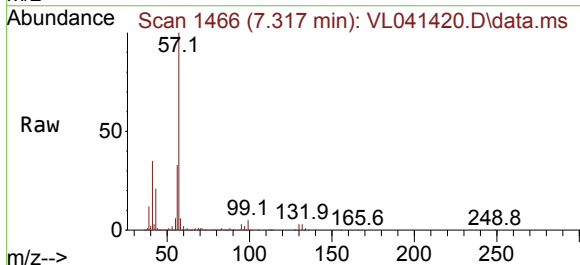
Instrument :
MSVOA_L
ClientSampleId :

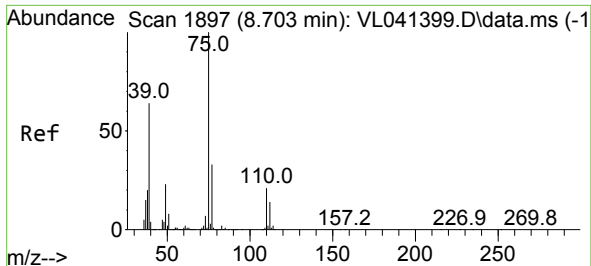
Tgt Ion: 69 Resp: 913985
Ion Ratio Lower Upper
69 100
41 152.1 118.7 178.1
100 33.7 27.0 40.4



#44
2,2,4-Trimethylpentane
Concen: 9.892 ppbv
RT: 7.317 min Scan# 1466
Delta R.T. 0.000 min
Lab File: VL041420.D
Acq: 29 Jul 2024 8:19

Tgt Ion: 57 Resp: 3828523
Ion Ratio Lower Upper
57 100
41 34.2 27.0 40.6
56 31.8 25.2 37.8

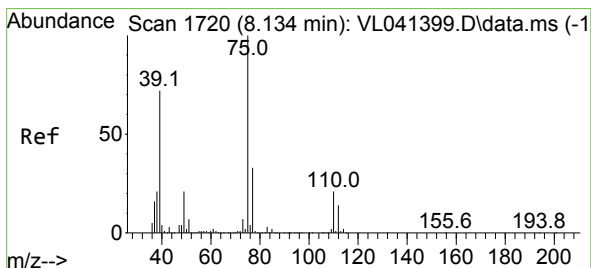
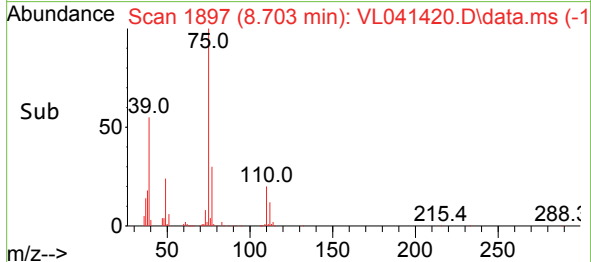
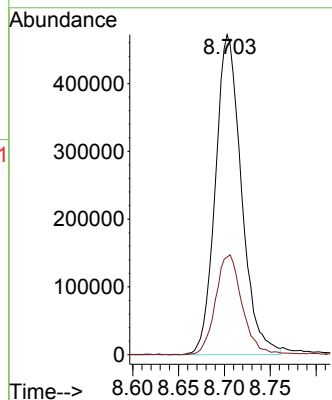
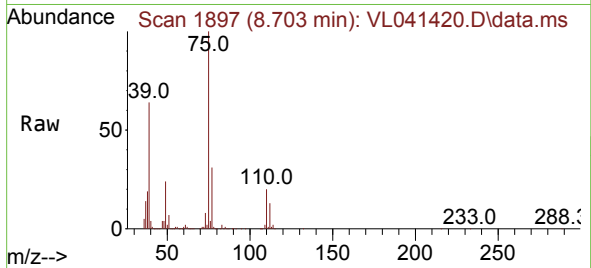




#45
 t-1,3-Dichloropropene
 Concen: 12.198 ppbv
 RT: 8.703 min Scan# 1897
 Delta R.T. 0.000 min
 Lab File: VL041420.D
 Acq: 29 Jul 2024 8:19

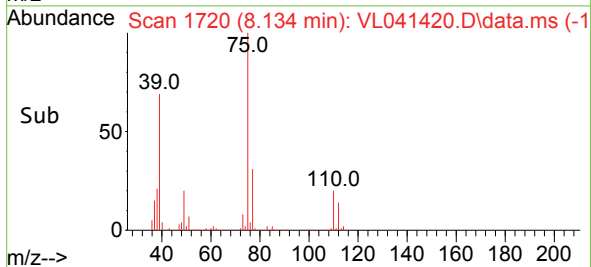
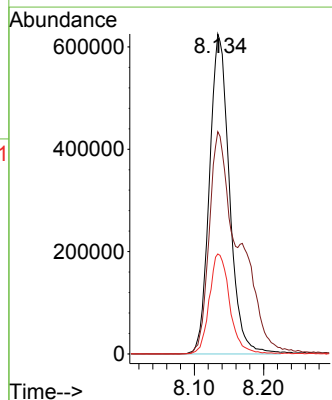
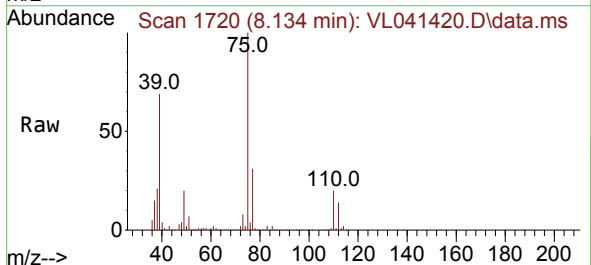
Instrument :
 MSVOA_L
 ClientSampleId :

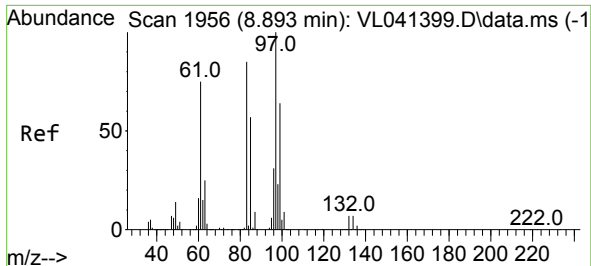
Tgt Ion: 75 Resp: 932943
 Ion Ratio Lower Upper
 75 100
 77 30.5 26.5 39.7



#46
 cis-1,3-Dichloropropene
 Concen: 11.322 ppbv
 RT: 8.134 min Scan# 1720
 Delta R.T. 0.000 min
 Lab File: VL041420.D
 Acq: 29 Jul 2024 8:19

Tgt Ion: 75 Resp: 1250483
 Ion Ratio Lower Upper
 75 100
 39 69.4 57.3 85.9
 77 31.3 26.2 39.2





#47

1,1,2-Trichloroethane

Concen: 9.810 ppbv

RT: 8.893 min Scan# 1956

Delta R.T. 0.000 min

Lab File: VL041420.D

Acq: 29 Jul 2024 8:19

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 97 Resp: 959380

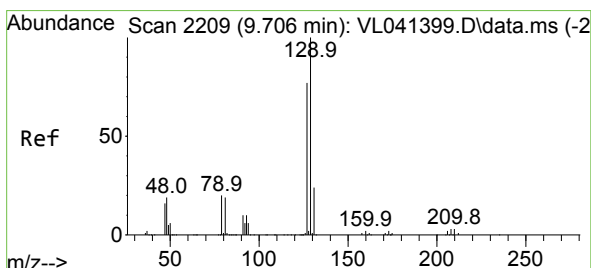
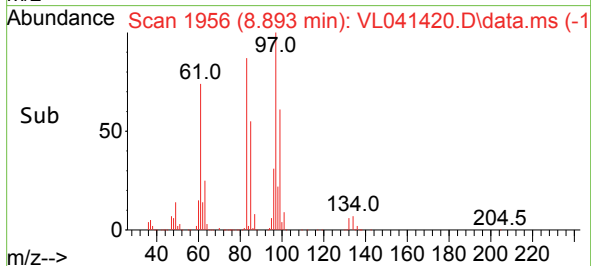
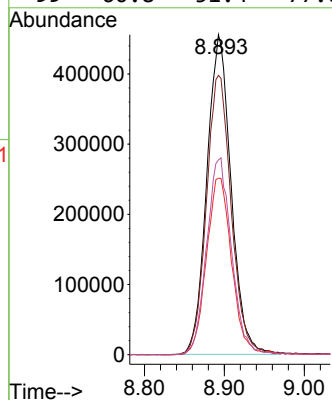
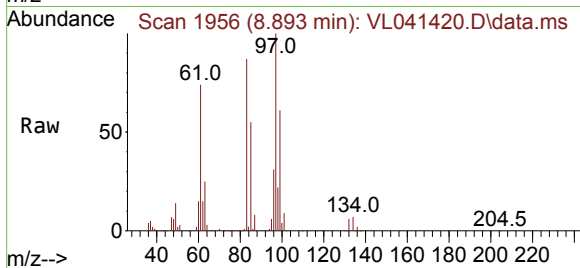
Ion Ratio Lower Upper

97 100

83 87.2 67.6 101.4

85 55.0 45.9 68.9

99 60.8 51.4 77.0



#48

Dibromochloromethane

Concen: 10.261 ppbv

RT: 9.703 min Scan# 2208

Delta R.T. 0.000 min

Lab File: VL041420.D

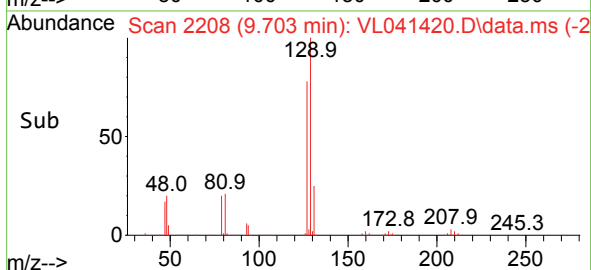
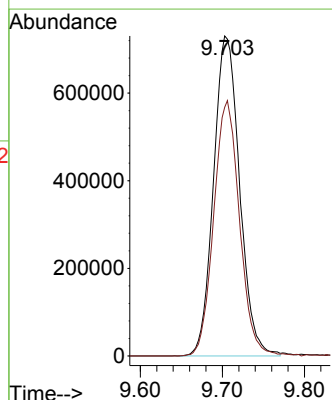
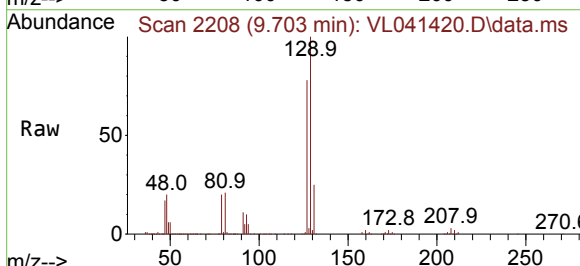
Acq: 29 Jul 2024 8:19

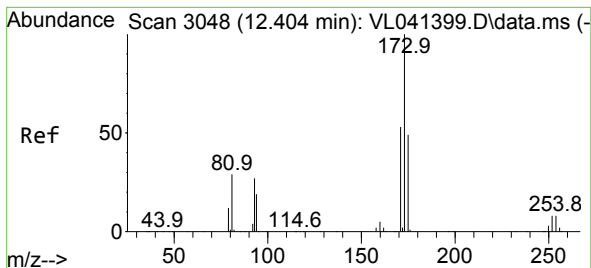
Tgt Ion: 129 Resp: 1616507

Ion Ratio Lower Upper

129 100

127 79.1 39.3 117.8





#49

Bromoform

Concen: 10.666 ppbv

RT: 12.404 min Scan# 3048

Delta R.T. 0.000 min

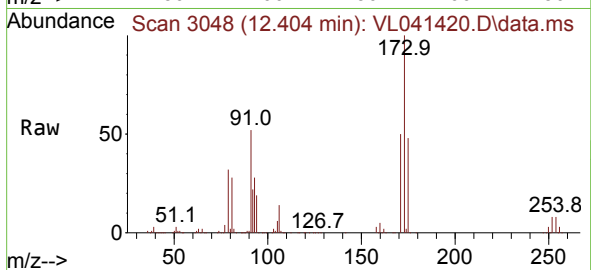
Lab File: VL041420.D

Acq: 29 Jul 2024 8:19

Instrument :

MSVOA_L

ClientSampleId :



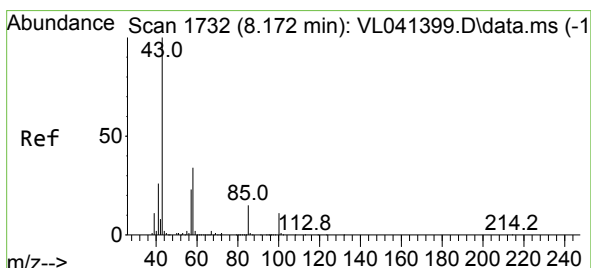
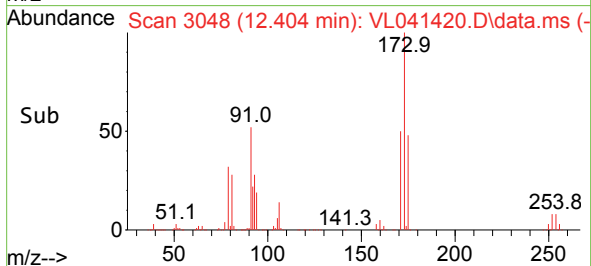
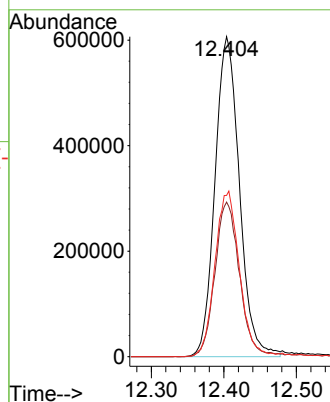
Tgt Ion:173 Resp: 1419478

Ion Ratio Lower Upper

173 100

175 50.1 39.9 59.9

171 52.9 41.7 62.5



#50

4-Methyl-2-Pentanone

Concen: 10.576 ppbv

RT: 8.172 min Scan# 1732

Delta R.T. 0.000 min

Lab File: VL041420.D

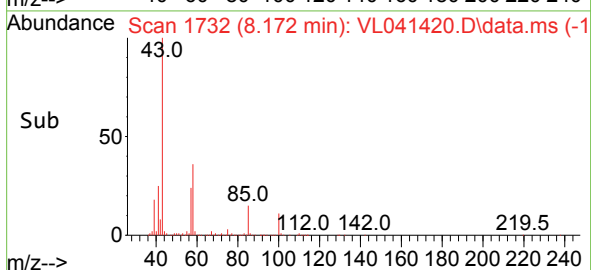
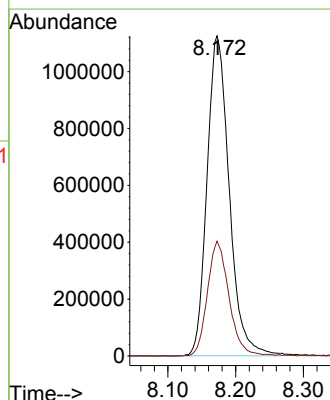
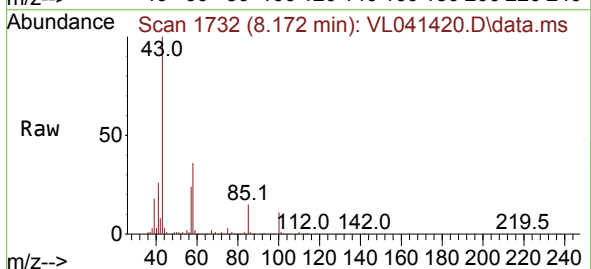
Acq: 29 Jul 2024 8:19

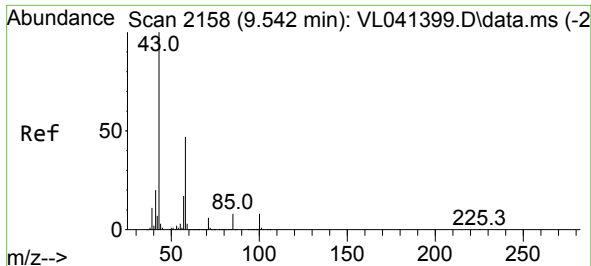
Tgt Ion: 43 Resp: 2559795

Ion Ratio Lower Upper

43 100

58 35.1 27.9 41.9



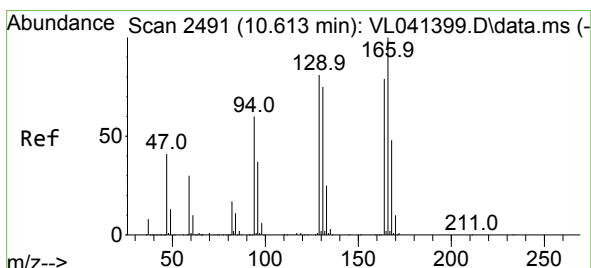
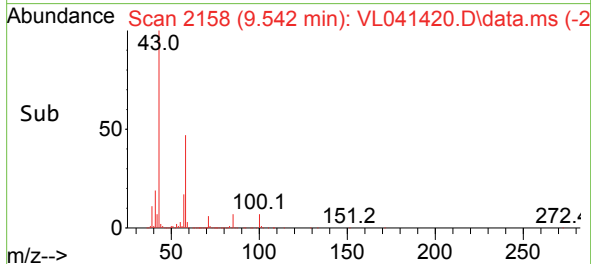
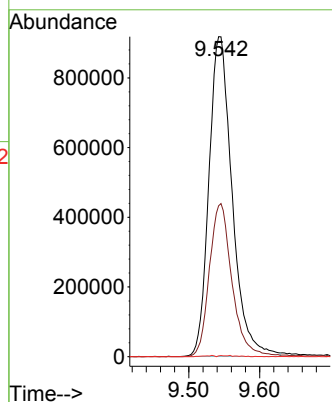
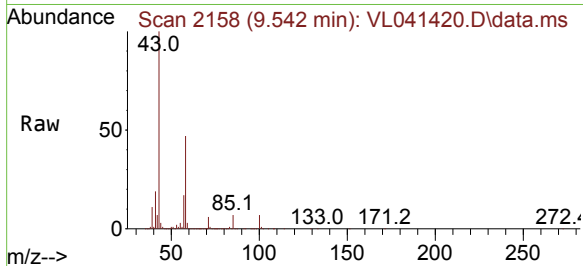


#51
2-Hexanone
Concen: 11.412 ppbv
RT: 9.542 min Scan# 2158
Delta R.T. 0.000 min
Lab File: VL041420.D
Acq: 29 Jul 2024 8:19

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 2088567

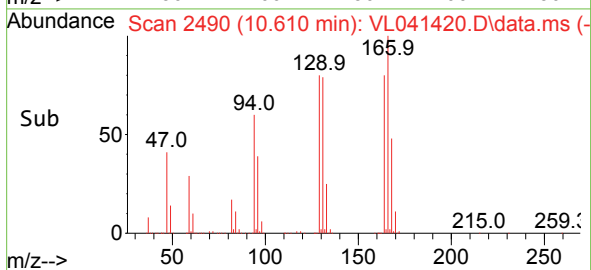
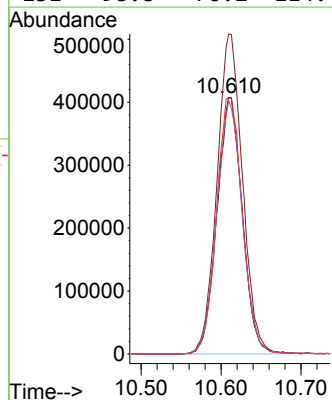
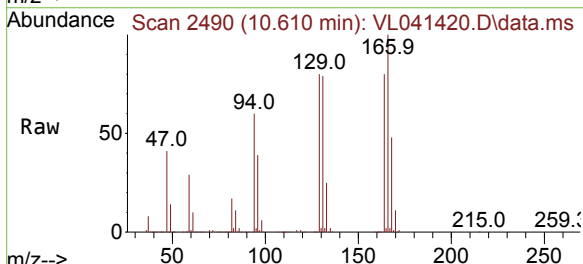
Ion	Ratio	Lower	Upper
43	100		
58	47.3	38.2	57.2
98	0.4	0.3	0.5

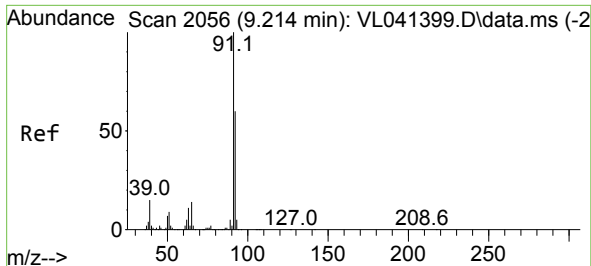


#52
Tetrachloroethene
Concen: 9.989 ppbv
RT: 10.610 min Scan# 2490
Delta R.T. 0.000 min
Lab File: VL041420.D
Acq: 29 Jul 2024 8:19

Tgt Ion: 164 Resp: 894422

Ion	Ratio	Lower	Upper
164	100		
166	124.7	101.1	151.7
129	99.9	81.7	122.5
131	98.8	76.2	114.4





#53

Toluene

Concen: 10.549 ppbv

RT: 9.217 min Scan# 2056

Delta R.T. 0.000 min

Lab File: VL041420.D

Acq: 29 Jul 2024 8:19

Instrument :

MSVOA_L

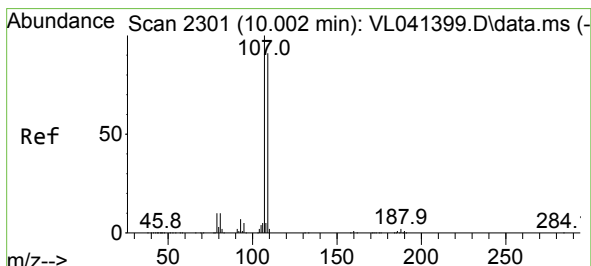
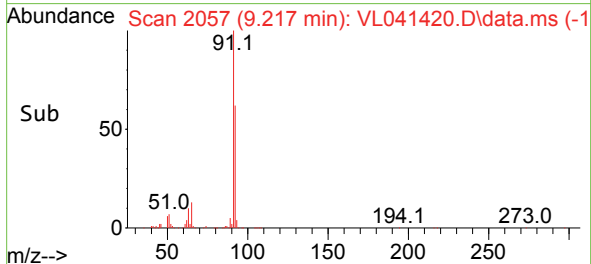
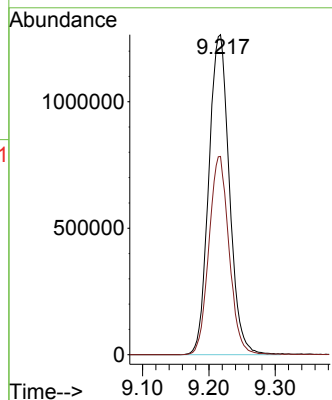
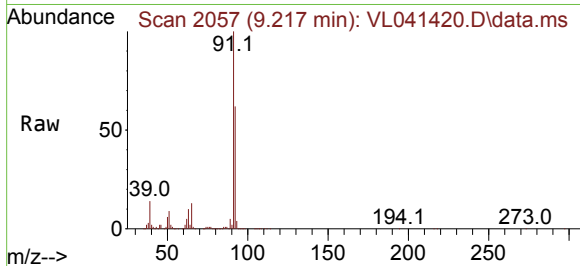
ClientSampleId :

Tgt Ion: 91 Resp: 2722956

Ion Ratio Lower Upper

91 100

92 60.8 48.7 73.1



#54

1,2-Dibromoethane

Concen: 10.770 ppbv

RT: 10.002 min Scan# 2301

Delta R.T. 0.000 min

Lab File: VL041420.D

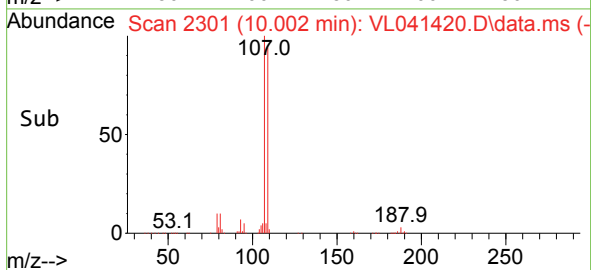
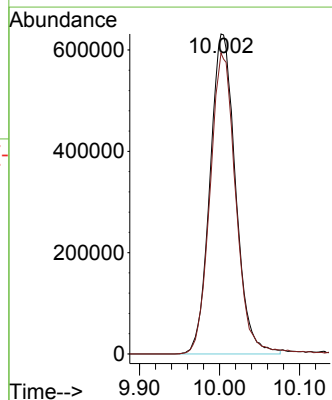
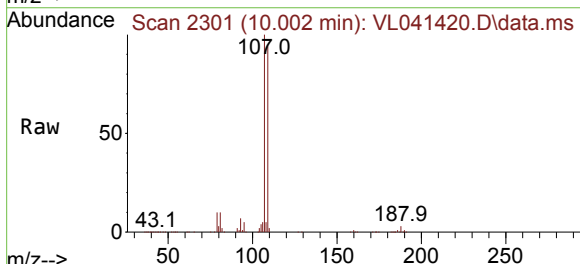
Acq: 29 Jul 2024 8:19

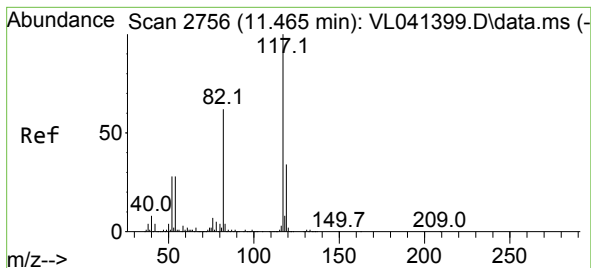
Tgt Ion: 107 Resp: 1401882

Ion Ratio Lower Upper

107 100

109 93.9 72.7 109.1

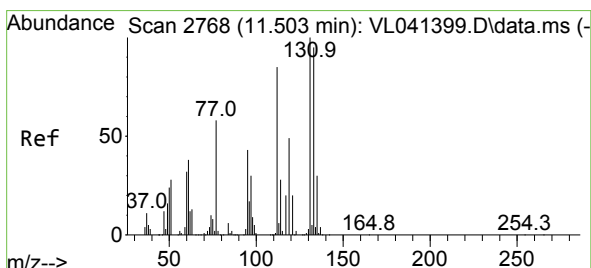
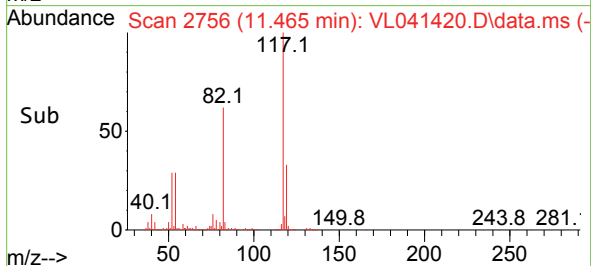
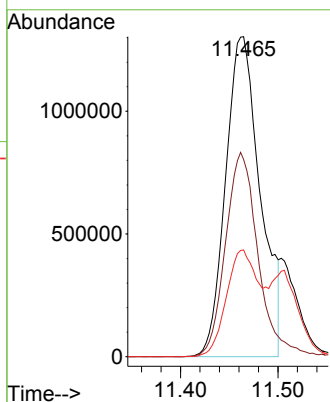
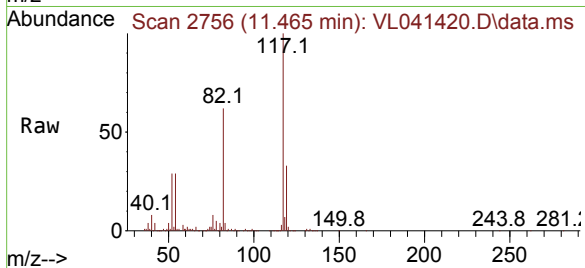




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.465 min Scan# 2756
Delta R.T. 0.000 min
Lab File: VL041420.D
Acq: 29 Jul 2024 8:19

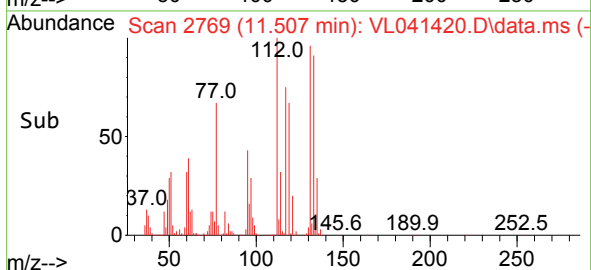
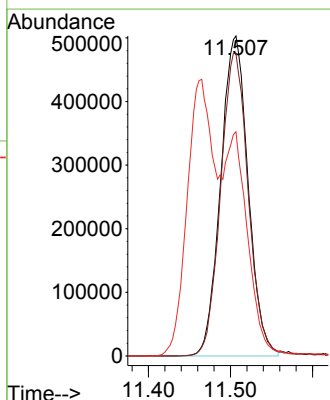
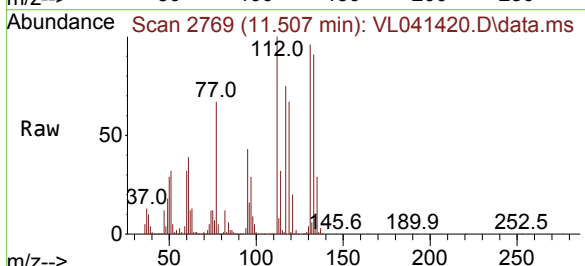
Instrument :
MSVOA_L
ClientSampleId :

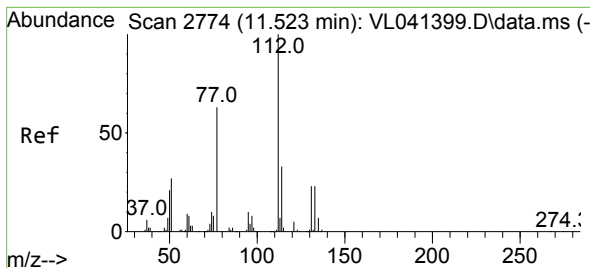
Tgt Ion:117 Resp: 3225299
Ion Ratio Lower Upper
117 100
82 60.5 51.0 76.6
119 29.8 45.2 67.8#



#56
1,1,1,2-Tetrachloroethane
Concen: 9.362 ppbv
RT: 11.507 min Scan# 2769
Delta R.T. 0.000 min
Lab File: VL041420.D
Acq: 29 Jul 2024 8:19

Tgt Ion:131 Resp: 1170991
Ion Ratio Lower Upper
131 100
133 96.3 77.0 115.4
119 60.9 121.5 182.3#





#57

Chlorobenzene

Concen: 9.129 ppbv

RT: 11.523 min Scan# 21

Delta R.T. 0.000 min

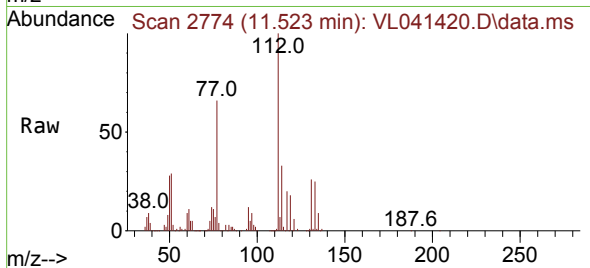
Lab File: VL041420.D

Acq: 29 Jul 2024 8:19

Instrument :

MSVOA_L

ClientSampleId :



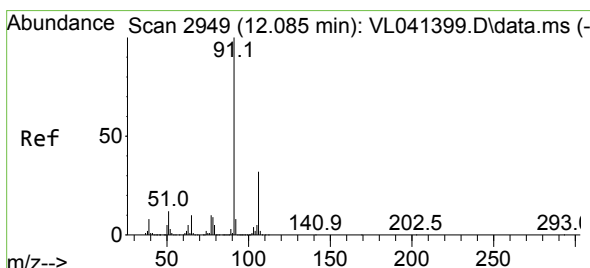
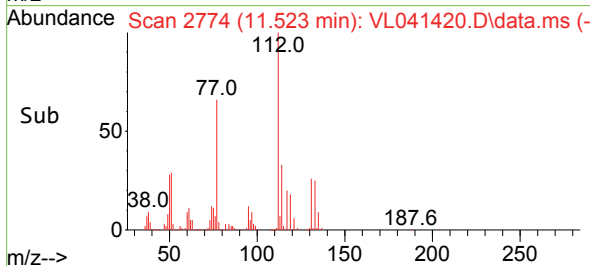
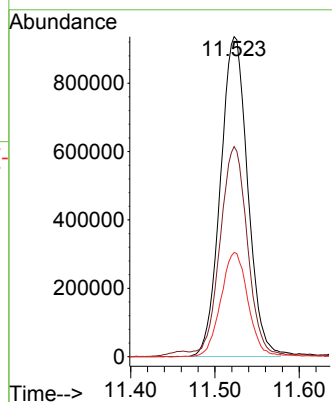
Tgt Ion:112 Resp: 2096356

Ion Ratio Lower Upper

112 100

77 64.6 51.1 76.7

114 32.5 29.5 36.1



#58

Ethyl Benzene

Concen: 9.862 ppbv

RT: 12.085 min Scan# 2949

Delta R.T. 0.000 min

Lab File: VL041420.D

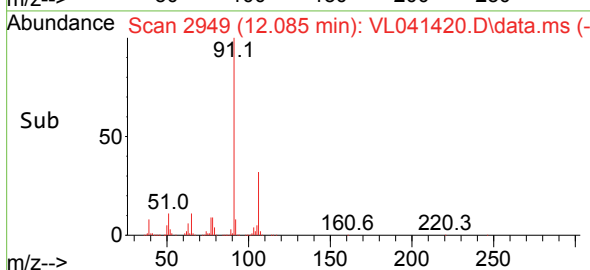
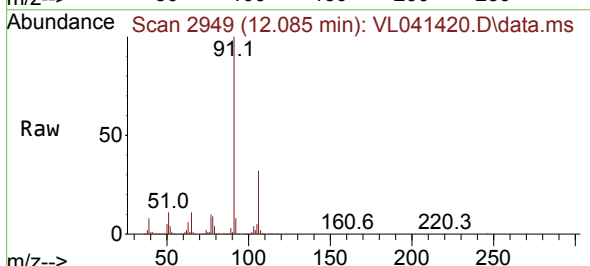
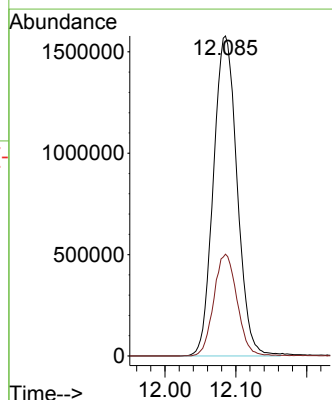
Acq: 29 Jul 2024 8:19

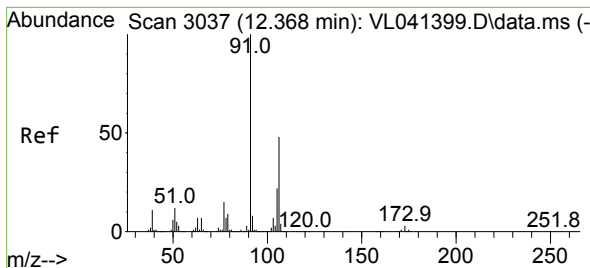
Tgt Ion: 91 Resp: 3666360

Ion Ratio Lower Upper

91 100

106 31.8 25.8 38.8

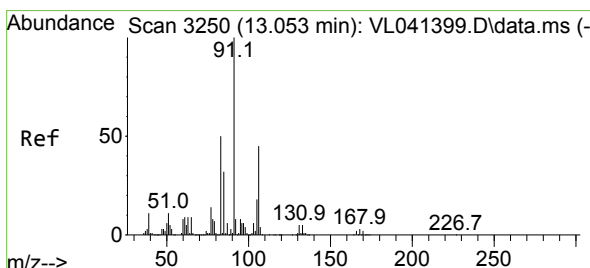
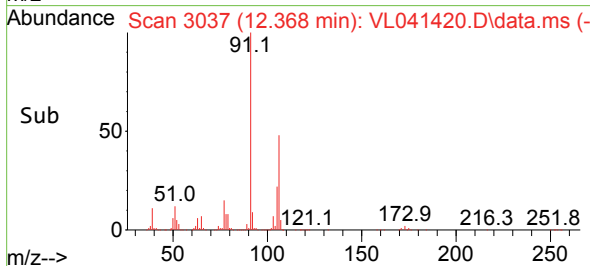
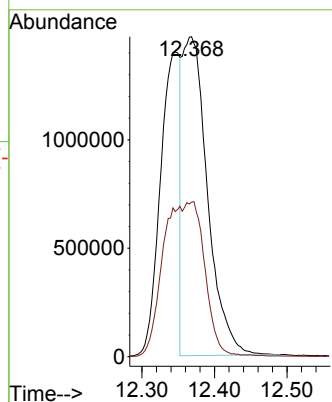
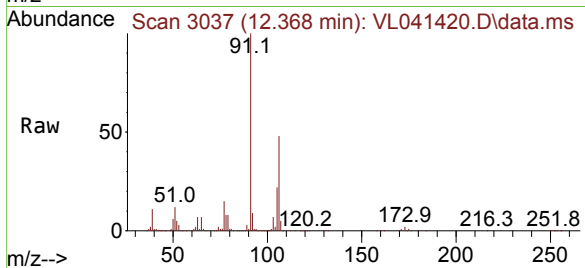




#59
m/p-Xylene
Concen: 11.011 ppbv
RT: 12.368 min Scan# 3037
Delta R.T. 0.000 min
Lab File: VL041420.D
Acq: 29 Jul 2024 8:19

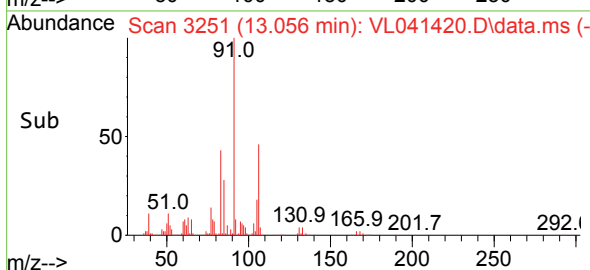
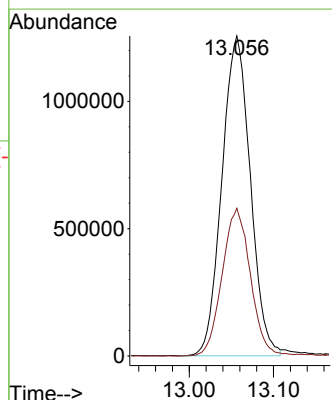
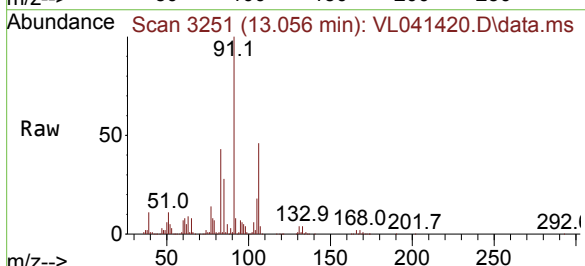
Instrument :
MSVOA_L
ClientSampleId :

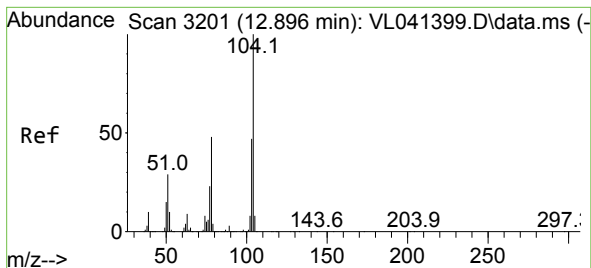
Tgt Ion: 91 Resp: 3533715
Ion Ratio Lower Upper
91 100
106 80.8 36.3 54.5#



#60
o-Xylene
Concen: 9.677 ppbv
RT: 13.056 min Scan# 3251
Delta R.T. 0.000 min
Lab File: VL041420.D
Acq: 29 Jul 2024 8:19

Tgt Ion: 91 Resp: 2937605
Ion Ratio Lower Upper
91 100
106 46.5 23.1 69.3





#61

Styrene

Concen: 10.740 ppbv

RT: 12.896 min Scan# 31

Delta R.T. 0.000 min

Lab File: VL041420.D

Acq: 29 Jul 2024 8:19

Instrument :

MSVOA_L

ClientSampleId :

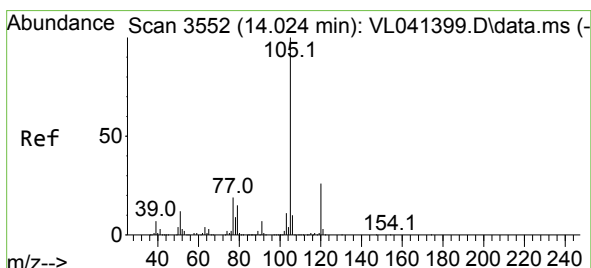
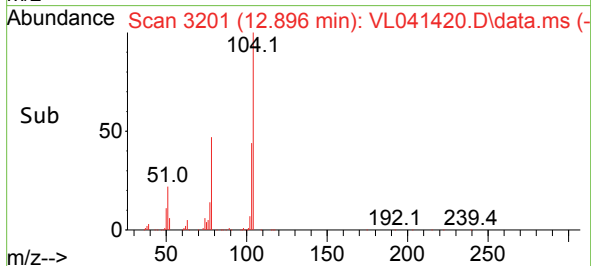
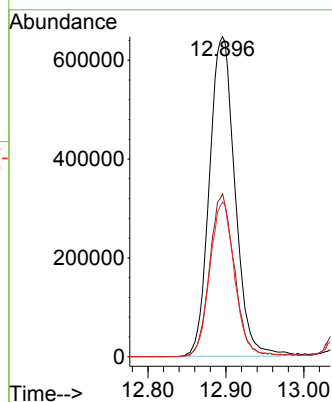
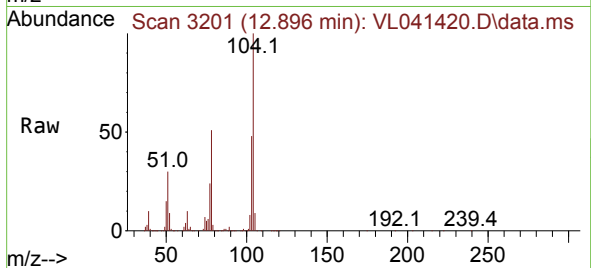
Tgt Ion:104 Resp: 1470927

Ion Ratio Lower Upper

104 100

78 49.6 40.8 61.2

103 47.7 38.2 57.4



#62

Isopropylbenzene

Concen: 9.340 ppbv

RT: 14.027 min Scan# 3553

Delta R.T. 0.000 min

Lab File: VL041420.D

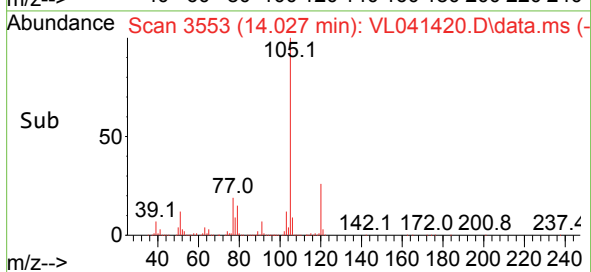
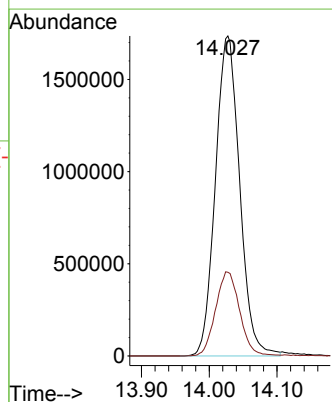
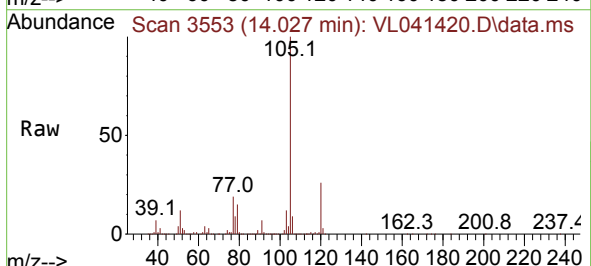
Acq: 29 Jul 2024 8:19

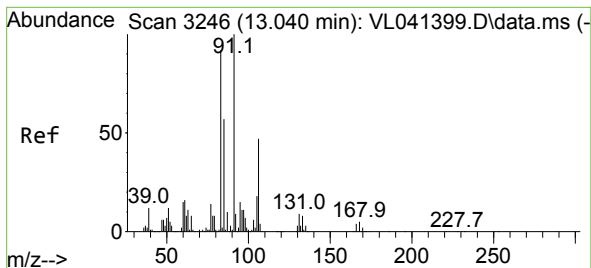
Tgt Ion:105 Resp: 4310246

Ion Ratio Lower Upper

105 100

120 26.4 21.0 31.4

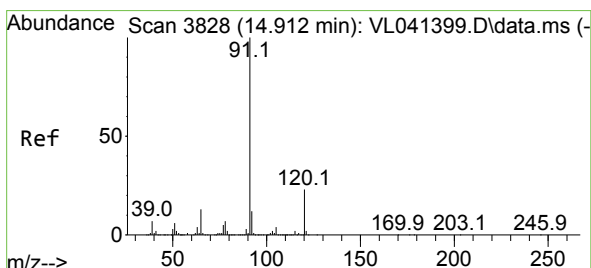
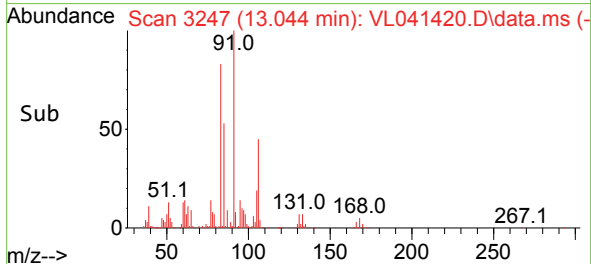
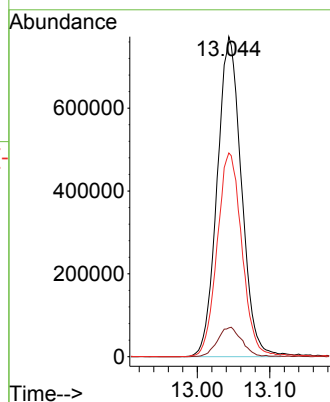
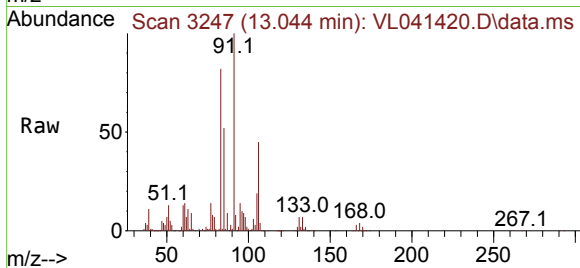




#63
1,1,2,2-Tetrachloroethane
Concen: 9.368 ppbv
RT: 13.044 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL041420.D
Acq: 29 Jul 2024 8:19

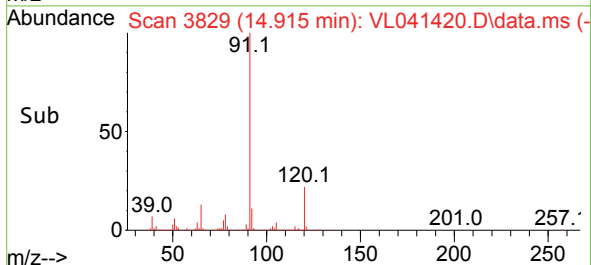
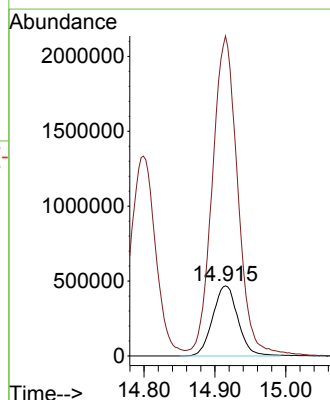
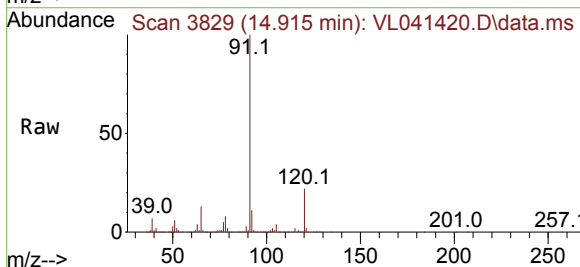
Instrument :
MSVOA_L
ClientSampleId :

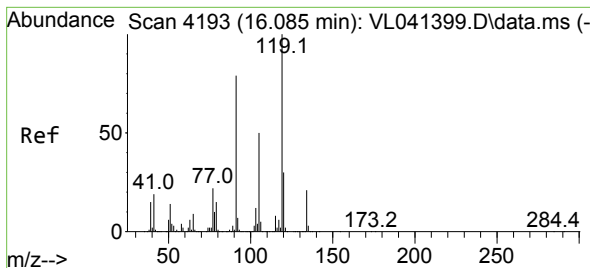
Tgt Ion: 83 Resp: 1795823
Ion Ratio Lower Upper
83 100
131 9.4 4.8 14.4
85 65.6 32.6 98.0



#64
n-propylbenzene
Concen: 9.571 ppbv
RT: 14.915 min Scan# 3829
Delta R.T. 0.000 min
Lab File: VL041420.D
Acq: 29 Jul 2024 8:19

Tgt Ion: 120 Resp: 1154714
Ion Ratio Lower Upper
120 100
91 463.7 361.4 542.0





#65

tert-Butylbenzene

Concen: 9.376 ppbv

RT: 16.092 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL041420.D

Acq: 29 Jul 2024 8:19

Instrument :

MSVOA_L

ClientSampleId :

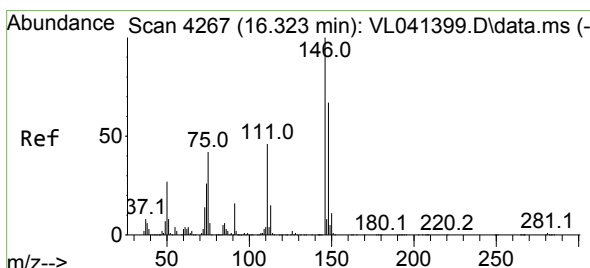
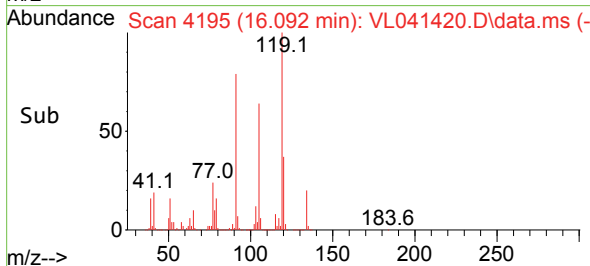
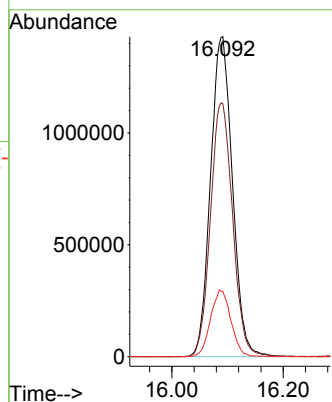
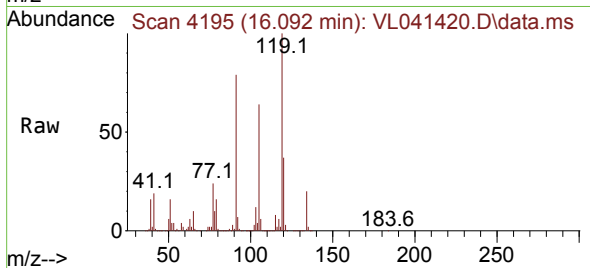
Tgt Ion:119 Resp: 3908206

Ion Ratio Lower Upper

119 100

91 80.2 64.2 96.2

134 19.4 15.7 23.5



#66

Benzyl Chloride

Concen: 10.861 ppbv

RT: 16.326 min Scan# 4268

Delta R.T. 0.000 min

Lab File: VL041420.D

Acq: 29 Jul 2024 8:19

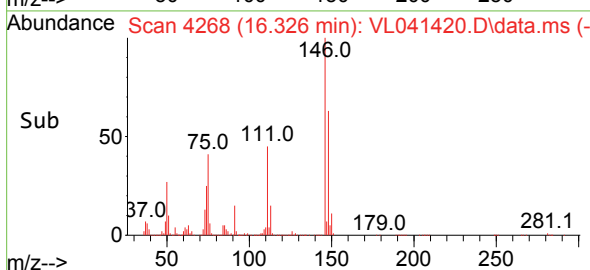
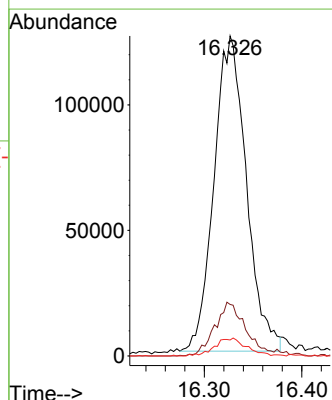
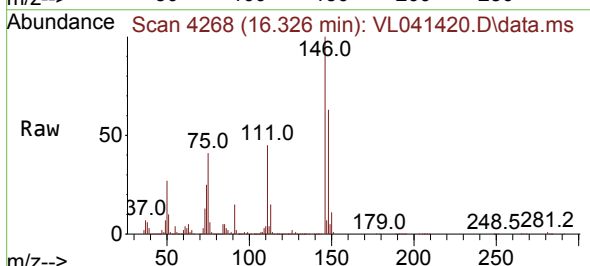
Tgt Ion: 91 Resp: 290393

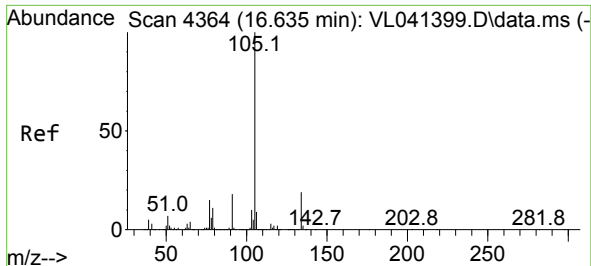
Ion Ratio Lower Upper

91 100

126 16.9 13.8 20.8

128 5.6 4.4 6.6

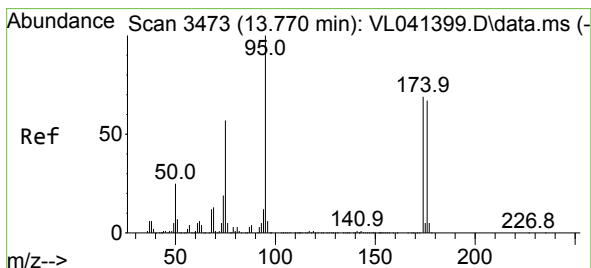
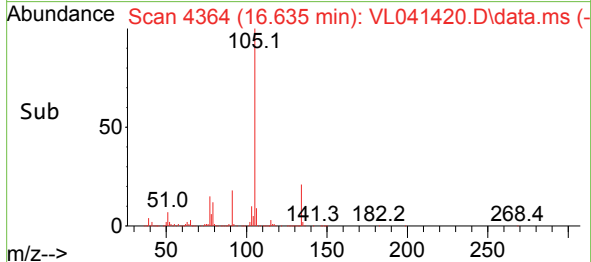
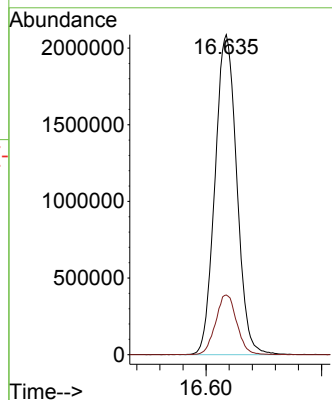
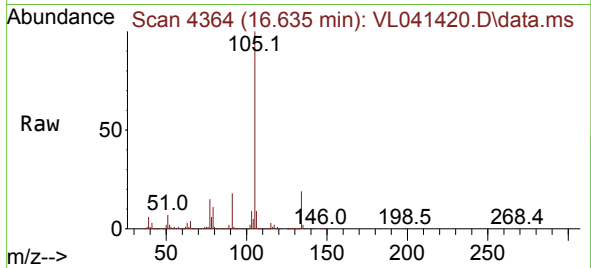




#67
 sec-Butylbenzene
 Concen: 9.504 ppbv
 RT: 16.635 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VL041420.D
 Acq: 29 Jul 2024 8:19

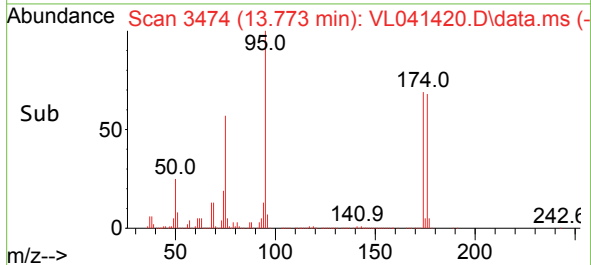
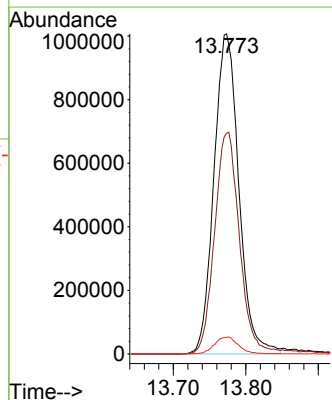
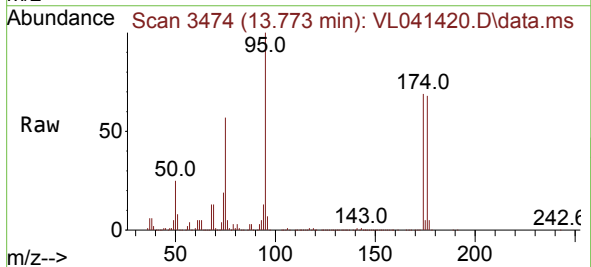
Instrument :
 MSVOA_L
 ClientSampleId :

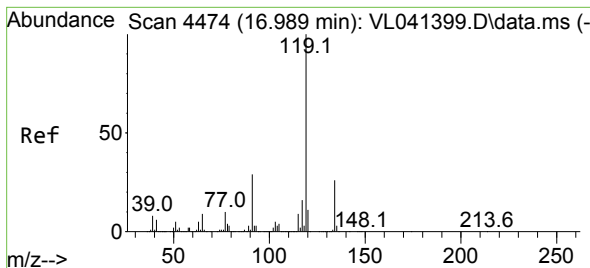
Tgt Ion:105 Resp: 5458240
 Ion Ratio Lower Upper
 105 100
 134 18.2 14.5 21.7



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.692 ppbv
 RT: 13.773 min Scan# 3474
 Delta R.T. 0.000 min
 Lab File: VL041420.D
 Acq: 29 Jul 2024 8:19

Tgt Ion: 95 Resp: 2405503
 Ion Ratio Lower Upper
 95 100
 174 70.6 56.3 84.5
 175 5.2 4.0 6.0





#69

p-Isopropyltoluene

Concen: 9.646 ppbv

RT: 16.995 min Scan# 4474

Delta R.T. 0.000 min

Lab File: VL041420.D

Acq: 29 Jul 2024 8:19

Instrument :

MSVOA_L

ClientSampleId :

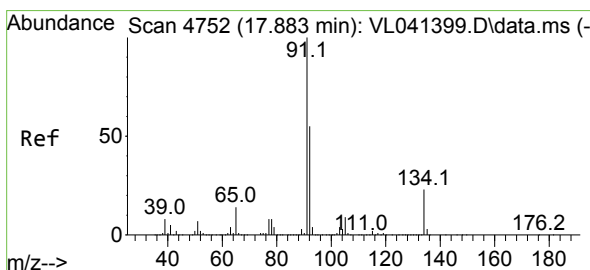
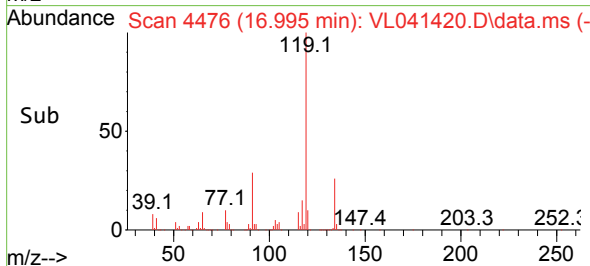
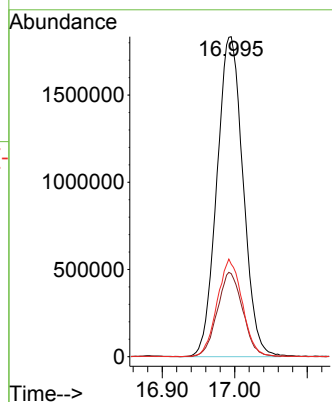
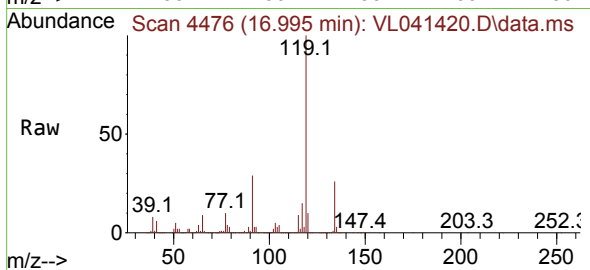
Tgt Ion:119 Resp: 4597224

Ion Ratio Lower Upper

119 100

134 25.6 20.5 30.7

91 29.3 23.2 34.8



#70

n-Butylbenzene

Concen: 9.676 ppbv

RT: 17.883 min Scan# 4752

Delta R.T. 0.000 min

Lab File: VL041420.D

Acq: 29 Jul 2024 8:19

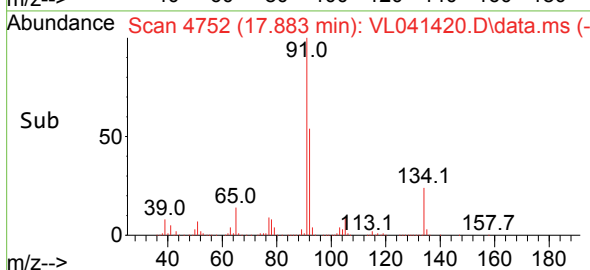
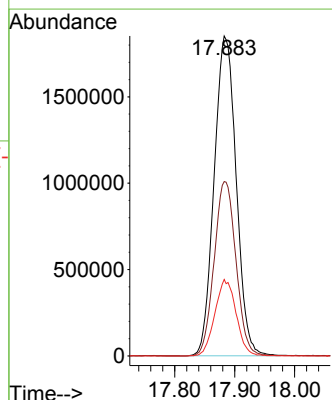
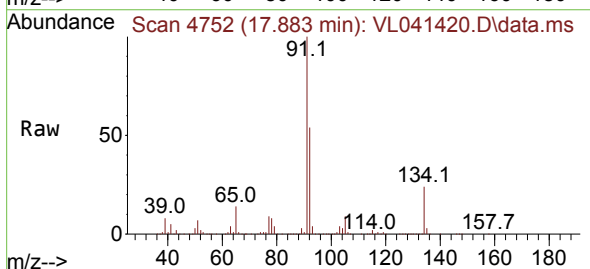
Tgt Ion: 91 Resp: 4727403

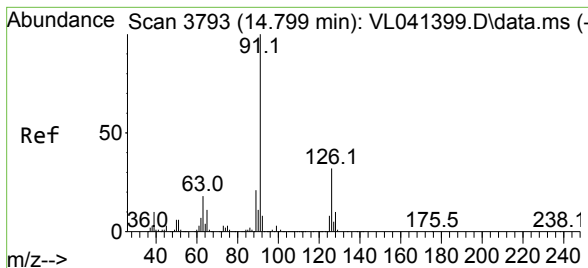
Ion Ratio Lower Upper

91 100

92 54.0 43.2 64.8

134 23.1 18.5 27.7

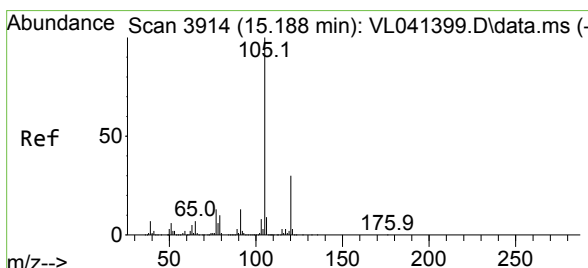
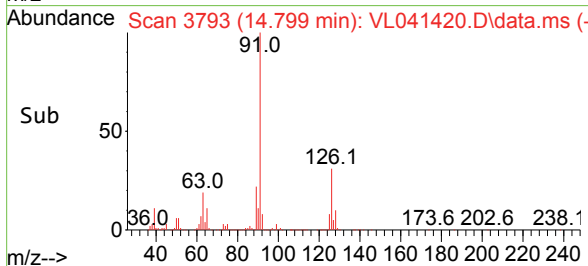
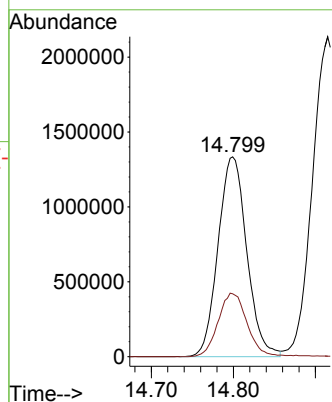
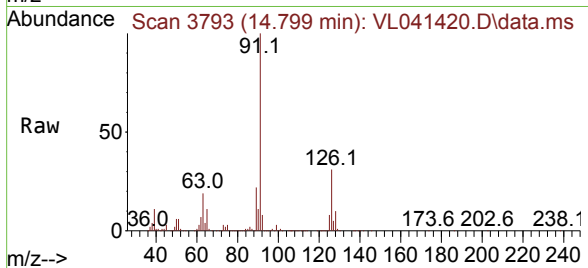




#71
2-Chlorotoluene
Concen: 9.535 ppbv
RT: 14.799 min Scan# 3793
Delta R.T. 0.000 min
Lab File: VL041420.D
Acq: 29 Jul 2024 8:19

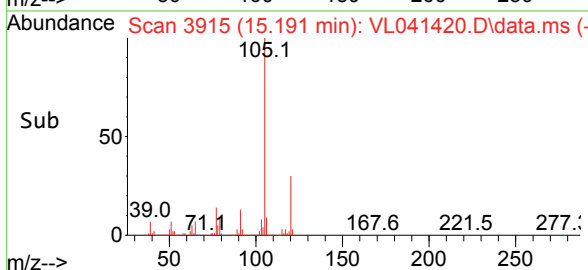
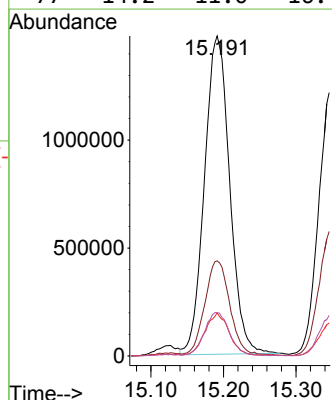
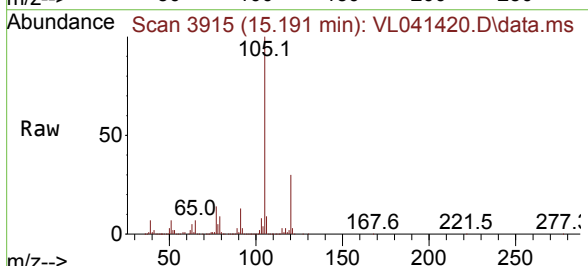
Instrument :
MSVOA_L
ClientSampleId :

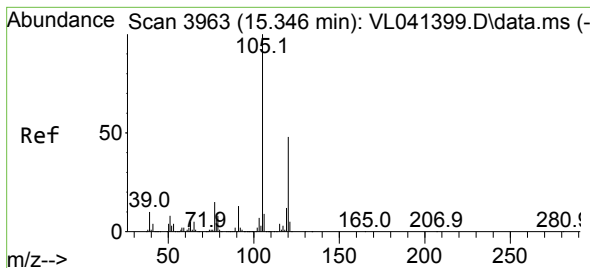
Tgt Ion: 91 Resp: 3245171
Ion Ratio Lower Upper
91 100
126 32.7 12.7 50.9



#72
4-Ethyltoluene
Concen: 9.969 ppbv
RT: 15.191 min Scan# 3915
Delta R.T. 0.000 min
Lab File: VL041420.D
Acq: 29 Jul 2024 8:19

Tgt Ion: 105 Resp: 3563032
Ion Ratio Lower Upper
105 100
120 31.0 24.2 36.2
91 13.7 10.4 15.6
77 14.2 11.0 16.4





#73

1,3,5-Trimethylbenzene

Concen: 9.895 ppbv

RT: 15.349 min Scan# 3963

Delta R.T. 0.000 min

Lab File: VL041420.D

Acq: 29 Jul 2024 8:19

Instrument :

MSVOA_L

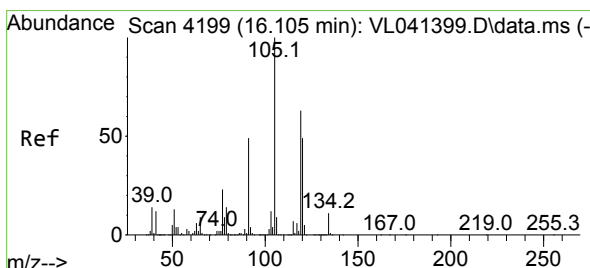
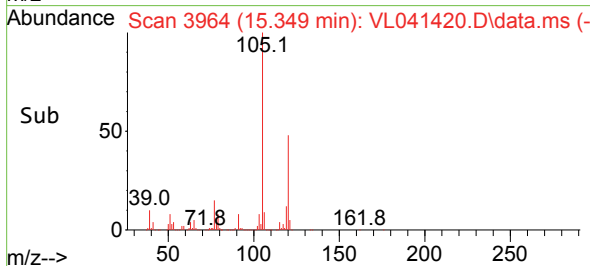
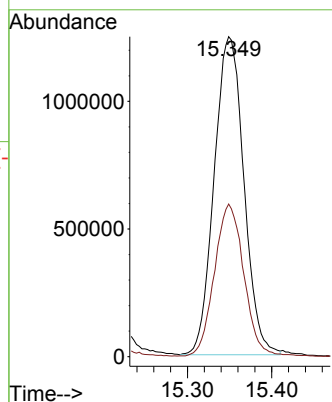
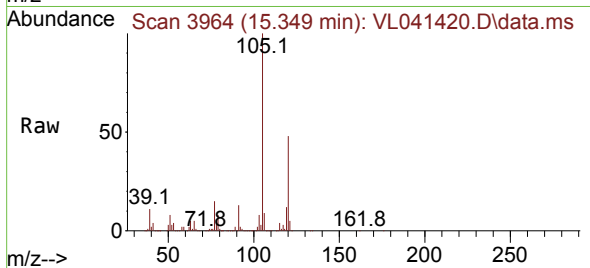
ClientSampleId :

Tgt Ion:105 Resp: 3046640

Ion Ratio Lower Upper

105 100

120 47.8 38.6 57.8



#74

1,2,4-Trimethylbenzene

Concen: 9.561 ppbv

RT: 16.108 min Scan# 4200

Delta R.T. 0.000 min

Lab File: VL041420.D

Acq: 29 Jul 2024 8:19

Tgt Ion:105 Resp: 3422472

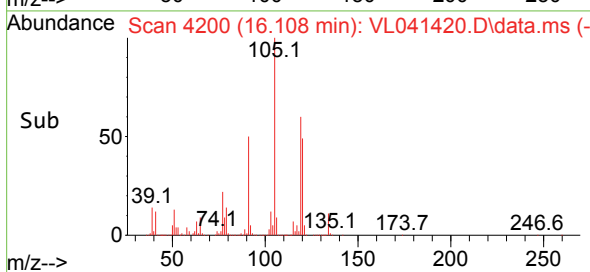
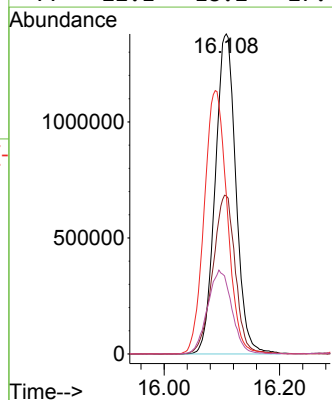
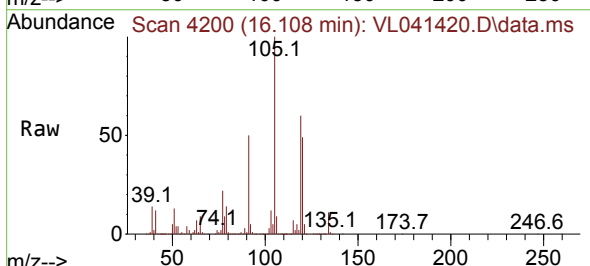
Ion Ratio Lower Upper

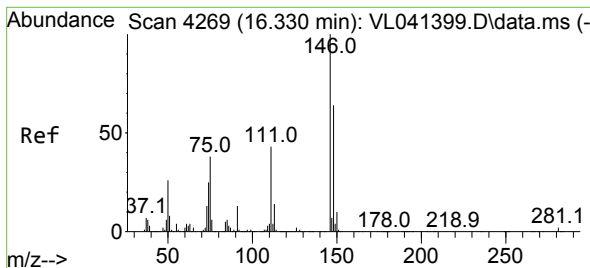
105 100

120 49.4 39.5 59.3

91 49.8 39.8 59.8

77 22.1 18.2 27.4





#75

1,3-Dichlorobenzene

Concen: 9.377 ppbv

RT: 16.330 min Scan# 4314

Delta R.T. 0.000 min

Lab File: VL041420.D

Acq: 29 Jul 2024 8:19

Instrument :

MSVOA_L

ClientSampleId :

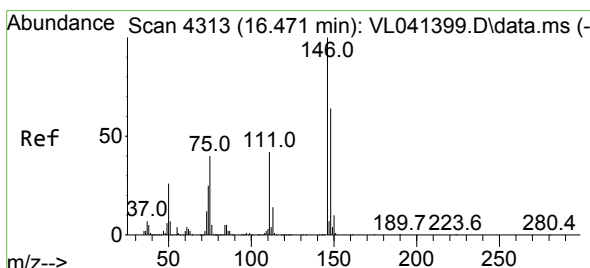
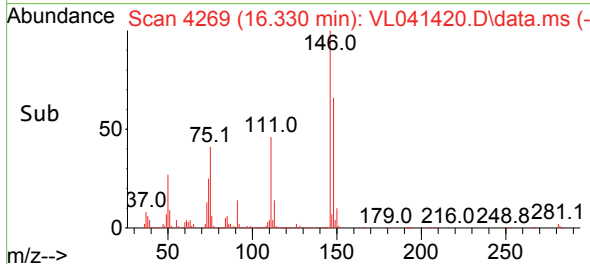
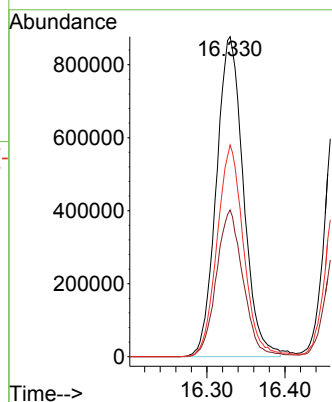
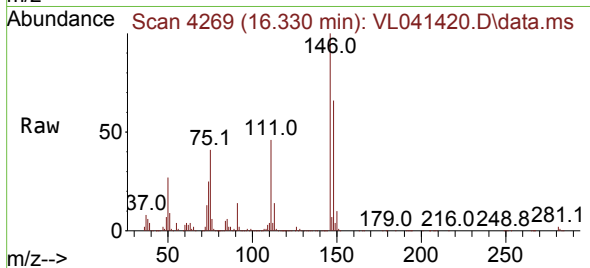
Tgt Ion:146 Resp: 2110031

Ion Ratio Lower Upper

146 100

111 45.5 22.6 67.8

148 65.1 32.3 96.8



#76

1,4-Dichlorobenzene

Concen: 9.515 ppbv

RT: 16.474 min Scan# 4314

Delta R.T. 0.000 min

Lab File: VL041420.D

Acq: 29 Jul 2024 8:19

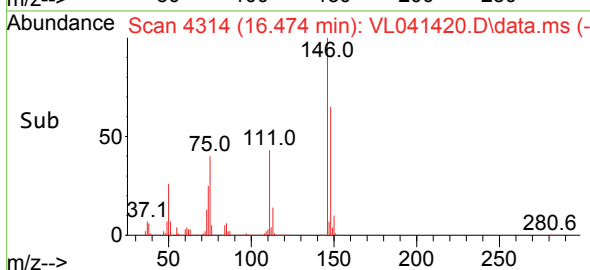
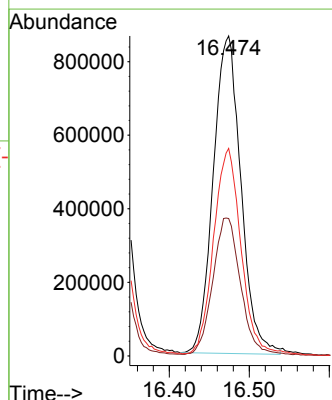
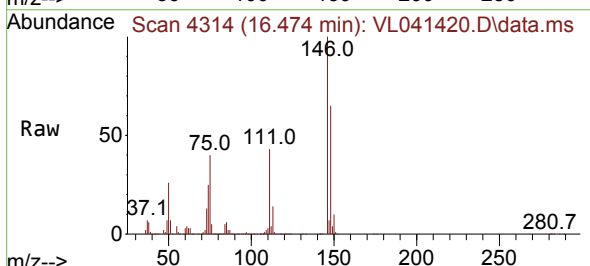
Tgt Ion:146 Resp: 2073042

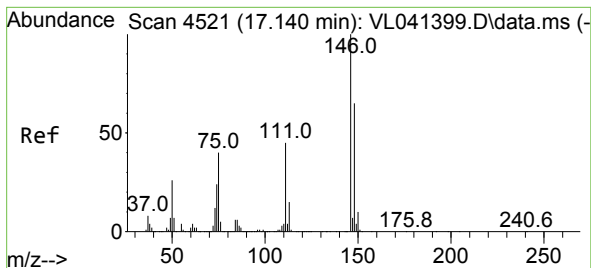
Ion Ratio Lower Upper

146 100

111 44.4 22.4 67.0

148 65.9 33.1 99.5





#77

1,2-Dichlorobenzene

Concen: 9.317 ppbv

RT: 17.143 min Scan# 4521

Delta R.T. 0.000 min

Lab File: VL041420.D

Acq: 29 Jul 2024 8:19

Instrument :

MSVOA_L

ClientSampleId :

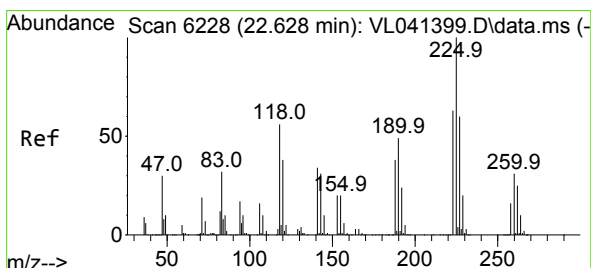
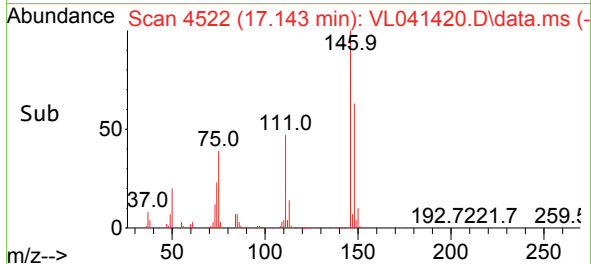
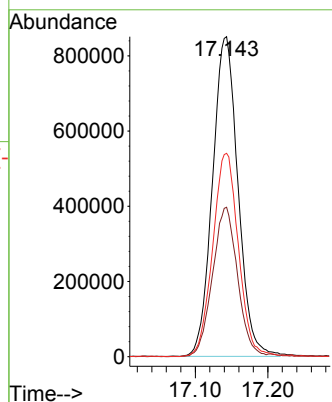
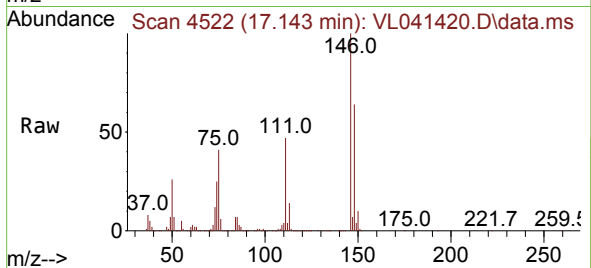
Tgt Ion:146 Resp: 2078394

Ion Ratio Lower Upper

146 100

111 46.3 23.4 70.0

148 64.3 32.2 96.6



#78

Hexachloro-1,3-Butadiene

Concen: 8.266 ppbv

RT: 22.632 min Scan# 6229

Delta R.T. 0.000 min

Lab File: VL041420.D

Acq: 29 Jul 2024 8:19

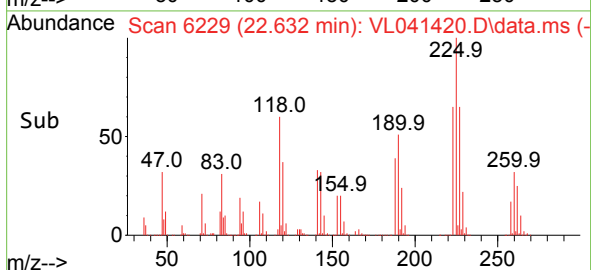
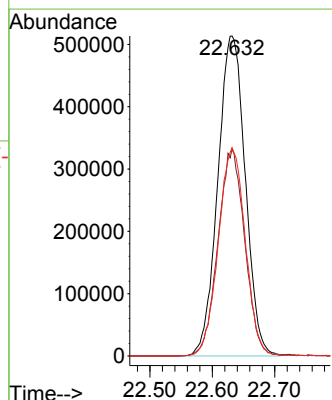
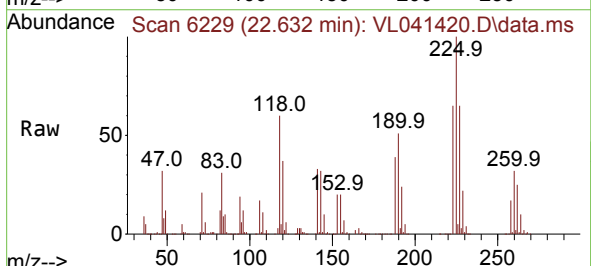
Tgt Ion:225 Resp: 1572392

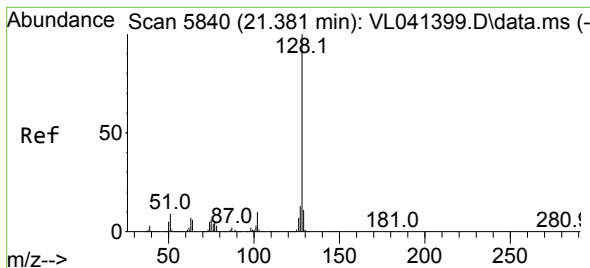
Ion Ratio Lower Upper

225 100

223 63.1 50.6 76.0

227 64.0 50.8 76.2





#79

Naphthalene

Concen: 11.197 ppbv

RT: 21.381 min Scan# 5840

Delta R.T. 0.000 min

Lab File: VL041420.D

Acq: 29 Jul 2024 8:19

Instrument :

MSVOA_L

ClientSampleId :

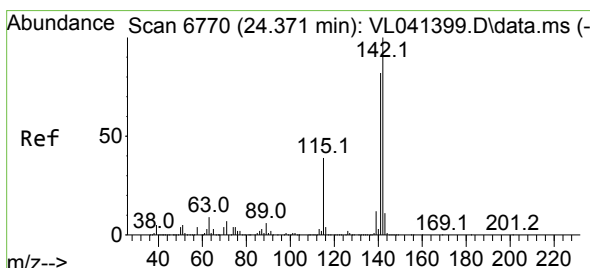
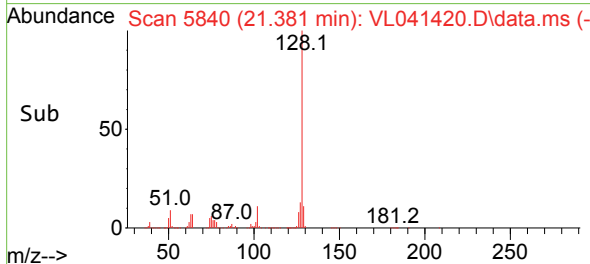
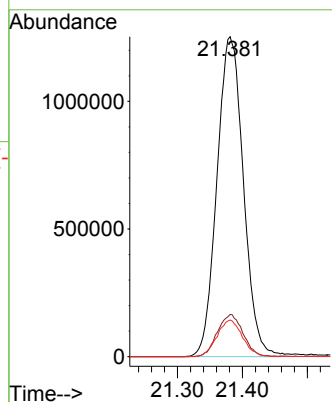
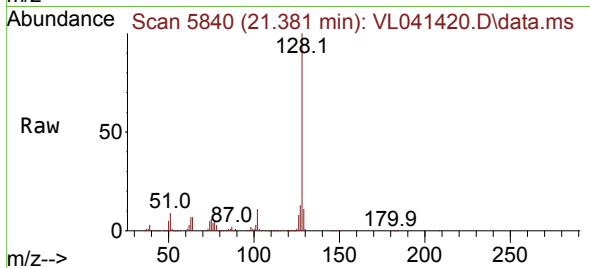
Tgt Ion:128 Resp: 3537793

Ion Ratio Lower Upper

128 100

127 13.2 10.3 15.5

129 11.4 9.0 13.4



#80

Naphthalene,2-methyl-

Concen: 12.255 ppbv

RT: 24.371 min Scan# 6770

Delta R.T. 0.000 min

Lab File: VL041420.D

Acq: 29 Jul 2024 8:19

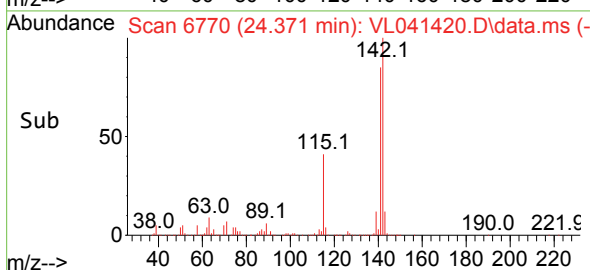
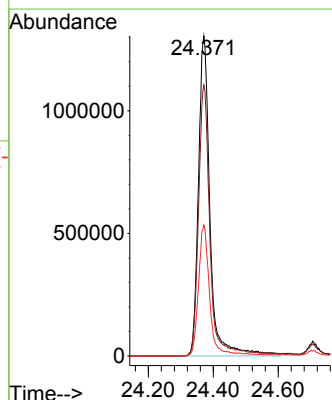
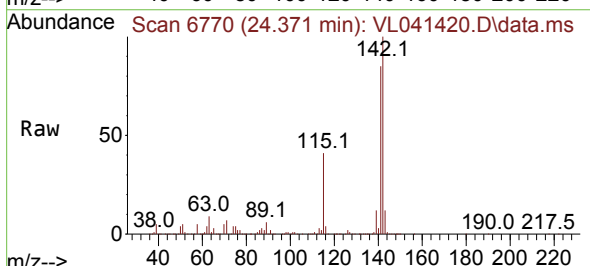
Tgt Ion:142 Resp: 3245777

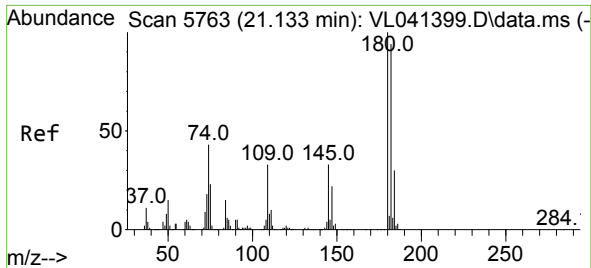
Ion Ratio Lower Upper

142 100

141 84.4 67.0 100.4

115 39.9 32.2 48.2





#81

1,2,4-Trichlorobenzene

Concen: 9.864 ppbv

RT: 21.136 min Scan# 51

Delta R.T. 0.000 min

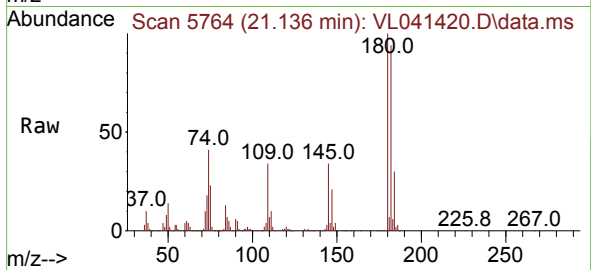
Lab File: VL041420.D

Acq: 29 Jul 2024 8:19

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:180 Resp: 1854578

Ion Ratio Lower Upper

180 100

182 96.1 76.7 115.1

184 30.6 24.5 36.7

