

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012424\
 Data File : VL041013.D
 Acq On : 24 Jan 2024 12:50
 Operator : SY/MD
 Sample : VL0124ABS01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0124ABS01

Quant Time: Jan 25 03:17:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Jan 25 03:13:06 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.160	49	1118129	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.619	114	2788215	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.429	117	2810162	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.741	95	2042378	9.622	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.200%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.703	85	2220809	8.993	ppbv	100
3) Chlorodifluoromethane	2.648	51	1673692	8.900	ppbv	100
4) Chloromethane	2.784	50	647900	9.191	ppbv	96
5) Vinyl Chloride	2.893	62	665318	9.627	ppbv	99
6) Bromomethane	3.089	94	266906	8.870	ppbv	97
7) Chloroethane	3.169	64	230484	9.262	ppbv	98
8) Dichlorotetrafluoroethane	2.829	85	1628399	8.827	ppbv	99
9) Propene	2.665	41	568261	9.212	ppbv	97
10) Heptane	7.545	43	1443492	9.508	ppbv	100
11) Trichlorofluoromethane	3.533	101	1755729	8.823	ppbv	98
12) 1,1,2-Trichlorotrifluo...	4.034	101	1253529	8.692	ppbv	97
13) Ethanol	3.211	45	123640	8.410	ppbv	99
14) Bromoethene	3.337	108	532553	9.618	ppbv	98
15) Acetone	3.436	43	1222432	8.549	ppbv	98
16) 1,3-Butadiene	2.957	39	606559	8.868	ppbv	95
17) tert-Butyl alcohol	3.848	59	1122758	9.573	ppbv	99
18) 1,1-Dichloroethene	3.851	96	571757	9.260	ppbv	95
19) Isopropyl Alcohol	3.546	45	785725	9.493	ppbv	100
20) Methylene Chloride	3.902	84	466158	8.472	ppbv	94
21) Allyl Chloride	3.967	41	821819	9.460	ppbv	99
22) trans-1,2-Dichloroethene	4.414	96	586937	9.232	ppbv	97
23) Vinyl Acetate	4.597	43	1440806	9.775	ppbv	98
24) 1,1-Dichloroethane	4.533	63	1197900	9.162	ppbv	99
25) Ethyl Acetate	5.173	43	2406868	9.283	ppbv	100
26) Hexane	5.179	57	1034137	9.358	ppbv	99
27) Carbon Disulfide	4.092	76	1449958	10.082	ppbv	99
28) Methyl tert-Butyl Ether	4.555	73	843584	9.197	ppbv	98
29) Chloroform	5.243	83	1781603	9.089	ppbv	96
30) Cyclohexane	6.565	84	895795	9.675	ppbv	99
31) cis-1,2-Dichloroethene	5.047	61	1040092	10.028	ppbv	96
32) 1,1,1-Trichloroethane	5.973	97	1799617	9.606	ppbv	99
34) 2-Butanone	4.751	43	1321282	9.947	ppbv	100
35) Carbon Tetrachloride	6.462	117	1907469	10.259	ppbv	99
36) Benzene	6.340	78	2267223	9.846	ppbv	98
37) 1,2-Dichloroethane	5.774	62	1363220	9.701	ppbv	100
38) Trichloroethene	7.259	130	894334	9.688	ppbv	97
39) 1,2-Dichloropropane	7.041	63	892609	9.840	ppbv	97
40) 1,4-Dioxane	7.250	88	363983	9.660	ppbv #	1
41) Tetrahydrofuran	5.523	42	918961	10.189	ppbv	99
42) Bromodichloromethane	7.214	83	2030867	10.101	ppbv	98
43) Methyl Methacrylate	7.439	69	934705	10.519	ppbv	98
44) 2,2,4-Trimethylpentane	7.291	57	3748173	9.673	ppbv	100
45) t-1,3-Dichloropropene	8.677	75	690280	11.369	ppbv	99

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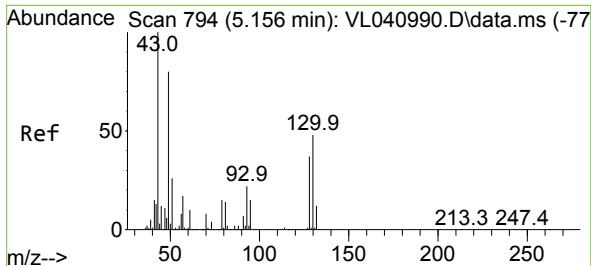
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Jan 25 03:13:06 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) cis-1,3-Dichloropropene	8.108	75	832456	10.994	ppbv	98
47) 1,1,2-Trichloroethane	8.864	97	954999	9.767	ppbv	96
48) Dibromochloromethane	9.677	129	1714891	10.374	ppbv	100
49) Bromoform	12.368	173	1398141	10.782	ppbv	99
50) 4-Methyl-2-Pentanone	8.147	43	2420385	10.347	ppbv	100
51) 2-Hexanone	9.516	43	1748043	10.367	ppbv	99
52) Tetrachloroethene	10.577	164	783108	10.240	ppbv	97
53) Toluene	9.185	91	2573887	10.203	ppbv	99
54) 1,2-Dibromoethane	9.973	107	1388723	10.487	ppbv	100
56) 1,1,1,2-Tetrachloroethane	11.475	131	1246318	9.244	ppbv	98
57) Chlorobenzene	11.487	112	2019256	8.933	ppbv	99
58) Ethyl Benzene	12.053	91	3557446	9.427	ppbv	99
59) m/p-Xylene	12.339	91	3229036	9.814	ppbv #	40
60) o-Xylene	13.024	91	2915687	9.236	ppbv	99
61) Styrene	12.860	104	1495209	10.315	ppbv	100
62) Isopropylbenzene	13.992	105	4228673	9.058	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.011	83	2166759	8.832	ppbv	100
64) n-propylbenzene	14.880	120	1081962	9.174	ppbv	99
65) tert-Butylbenzene	16.056	119	3753158	9.202	ppbv	99
66) Benzyl Chloride	16.291	91	261257	9.774	ppbv	99
67) sec-Butylbenzene	16.600	105	5269204	8.872	ppbv	99
69) p-Isopropyltoluene	16.960	119	4256322	9.252	ppbv	99
70) n-Butylbenzene	17.850	91	4591210	9.236	ppbv	99
71) 2-Chlorotoluene	14.767	91	3339425	9.271	ppbv	100
72) 4-Ethyltoluene	15.156	105	3371940	9.564	ppbv	99
73) 1,3,5-Trimethylbenzene	15.317	105	2884985	9.220	ppbv	99
74) 1,2,4-Trimethylbenzene	16.072	105	3193624	9.004	ppbv	96
75) 1,3-Dichlorobenzene	16.294	146	1853295	9.181	ppbv	99
76) 1,4-Dichlorobenzene	16.436	146	1775076	8.911	ppbv	99
77) 1,2-Dichlorobenzene	17.105	146	1774013	8.842	ppbv	98
78) Hexachloro-1,3-Butadiene	22.587	225	475713	3.677	ppbv #	6
79) Naphthalene	21.342	128	2397257	11.848	ppbv	97
80) Naphthalene,2-methyl-	24.339	142	515513	14.506	ppbv	99
81) 1,2,4-Trichlorobenzene	21.101	180	1151881	9.757	ppbv	99

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

Quant Time: Jan 25 03:17:24 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Jan 25 03:13:06 2024
Response via : Initial Calibration

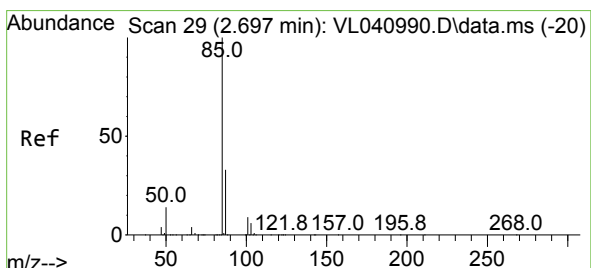
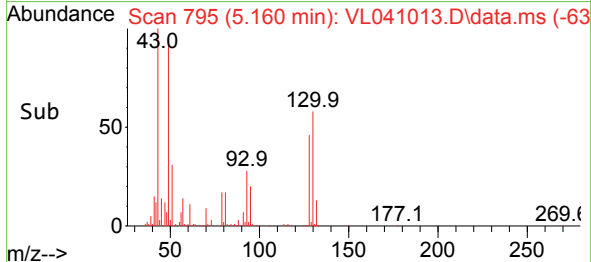
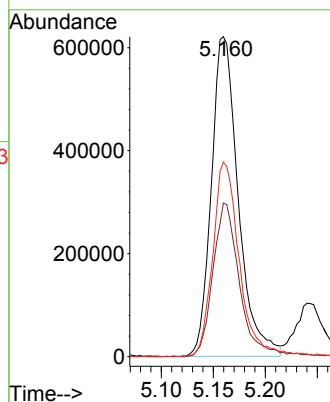
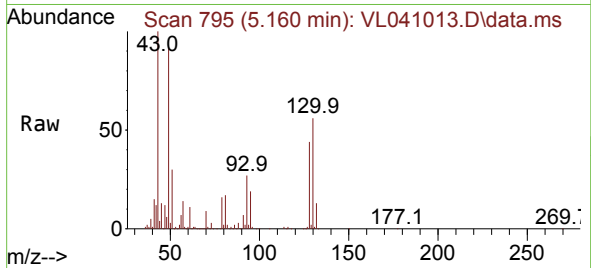




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.160 min Scan# 794
 Delta R.T. 0.004 min
 Lab File: VL041013.D
 Acq: 24 Jan 2024 12:50

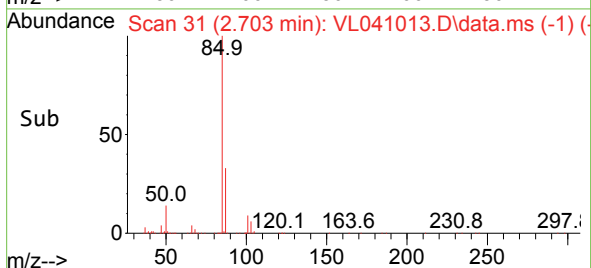
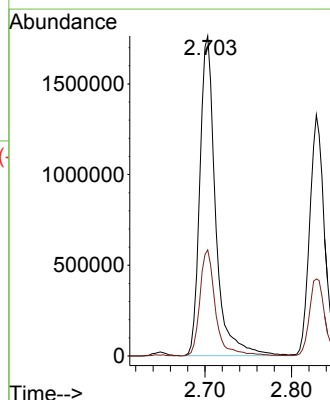
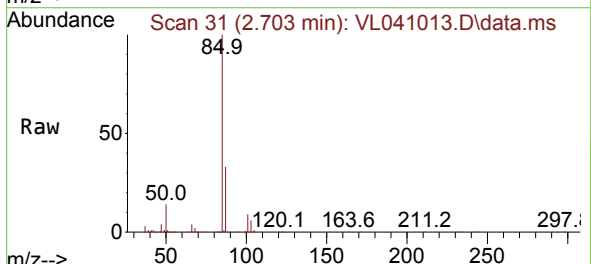
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 MSVOA_L
 ClientSampleId :
 VL0124ABS01

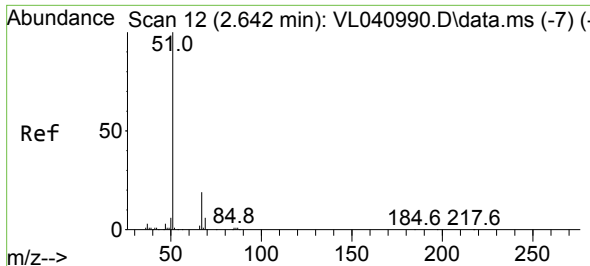
Tgt Ion: 49 Resp: 1118129
 Ion Ratio Lower Upper
 49 100
 128 48.5 23.9 71.7
 130 61.3 31.1 93.5



#2
 Dichlorodifluoromethane
 Concen: 8.993 ppbv
 RT: 2.703 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VL041013.D
 Acq: 24 Jan 2024 12:50

Tgt Ion: 85 Resp: 2220809
 Ion Ratio Lower Upper
 85 100
 87 33.1 26.3 39.5

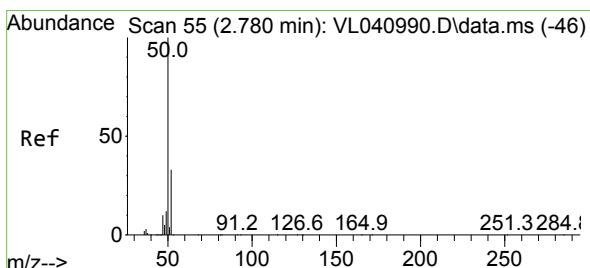
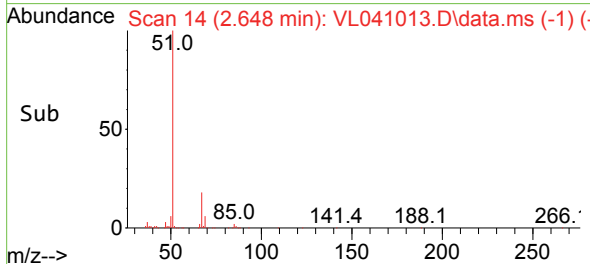
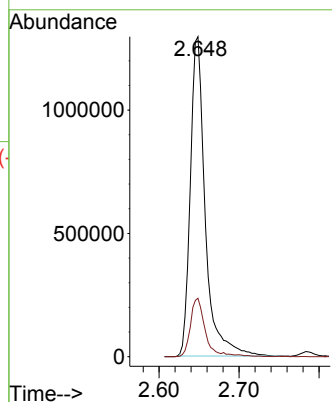
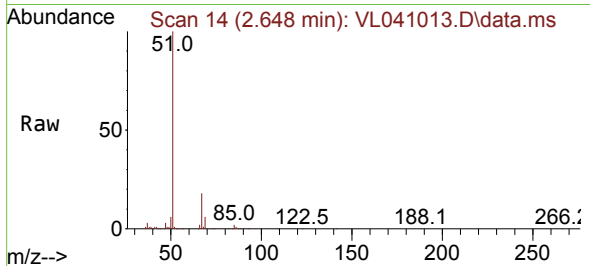




#3
Chlorodifluoromethane
Concen: 8.900 ppbv
RT: 2.648 min Scan# 14
Delta R.T. 0.003 min
Lab File: VL041013.D
Acq: 24 Jan 2024 12:50

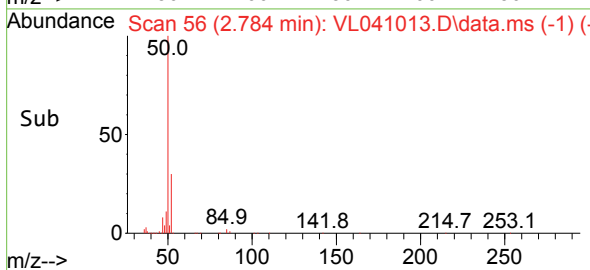
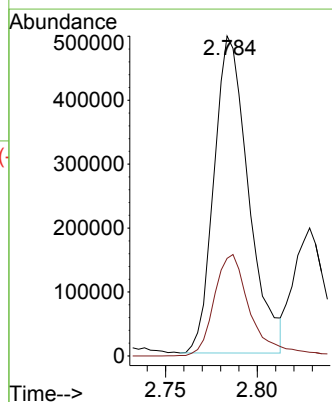
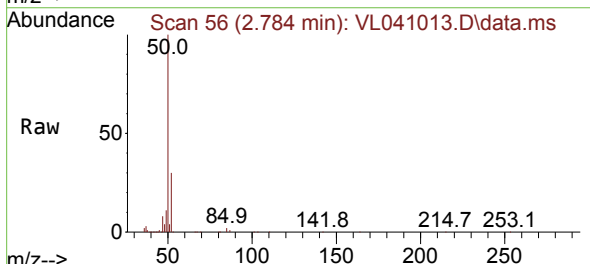
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ClientSampleId :
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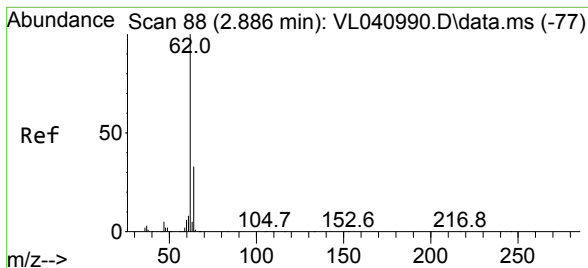
Tgt Ion: 51 Resp: 1673692
Ion Ratio Lower Upper
51 100
67 18.6 14.8 22.2



#4
Chloromethane
Concen: 9.191 ppbv
RT: 2.784 min Scan# 56
Delta R.T. -0.000 min
Lab File: VL041013.D
Acq: 24 Jan 2024 12:50

Tgt Ion: 50 Resp: 647900
Ion Ratio Lower Upper
50 100
52 30.6 26.2 39.4

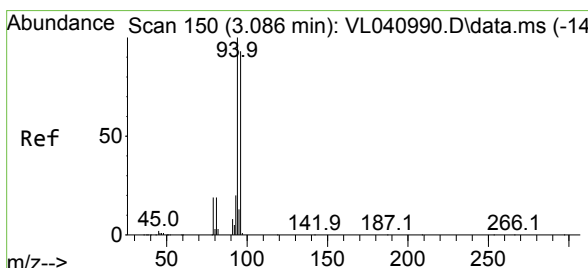
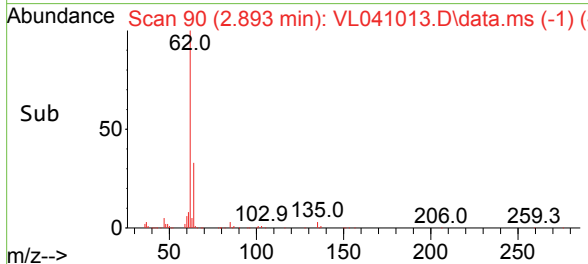
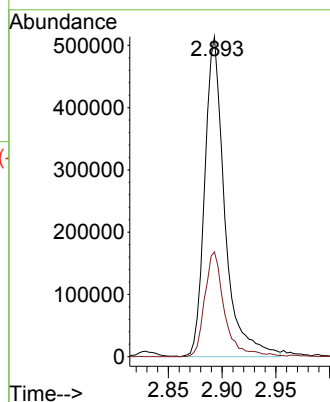
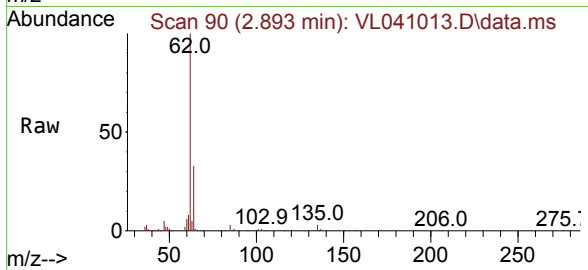




#5
 Vinyl Chloride
 Concen: 9.627 ppbv
 RT: 2.893 min Scan# 90
 Delta R.T. 0.003 min
 Lab File: VL041013.D
 Acq: 24 Jan 2024 12:50

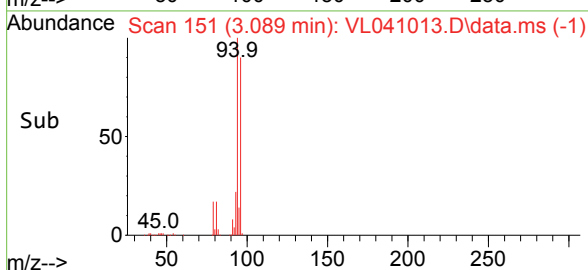
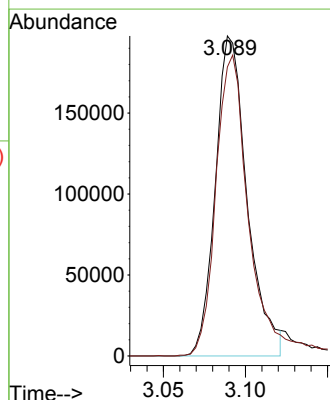
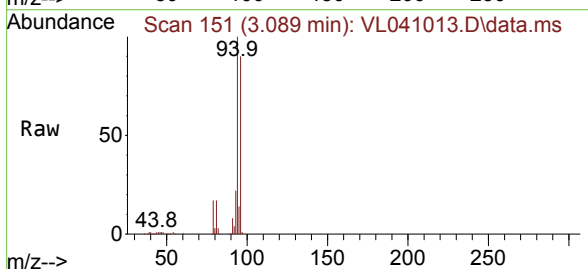
Instrument :
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 ClientSampleId :
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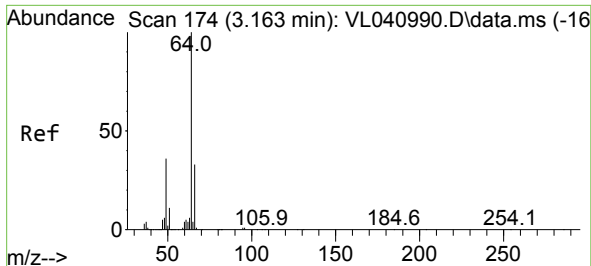
Tgt Ion: 62 Resp: 665318
 Ion Ratio Lower Upper
 62 100
 64 32.7 26.6 40.0



#6
 Bromomethane
 Concen: 8.870 ppbv
 RT: 3.089 min Scan# 151
 Delta R.T. -0.000 min
 Lab File: VL041013.D
 Acq: 24 Jan 2024 12:50

Tgt Ion: 94 Resp: 266906
 Ion Ratio Lower Upper
 94 100
 96 90.1 74.2 111.4

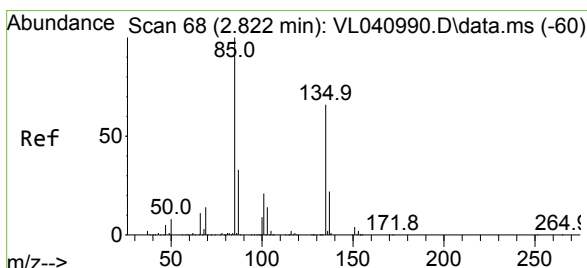
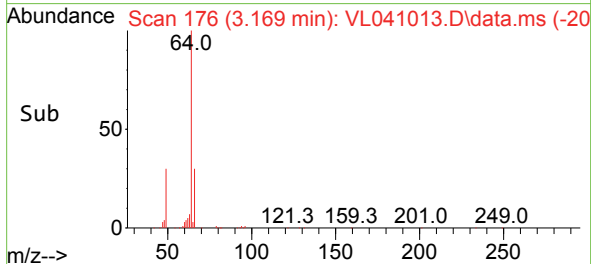
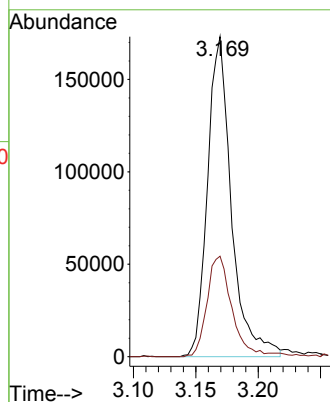
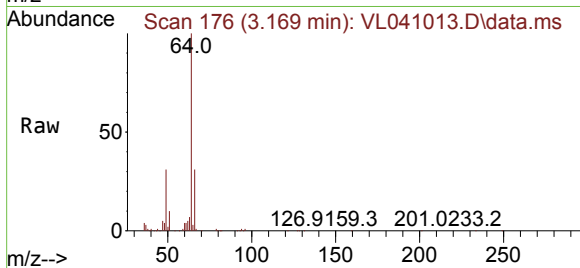




#7
Chloroethane
Concen: 9.262 ppbv
RT: 3.169 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL041013.D
Acq: 24 Jan 2024 12:50

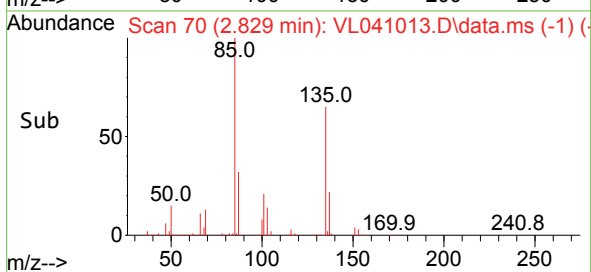
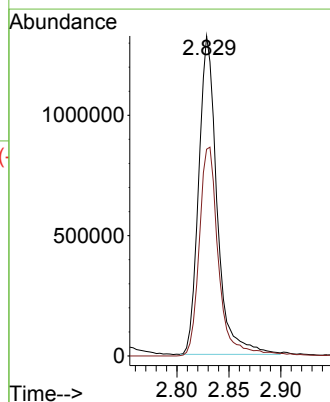
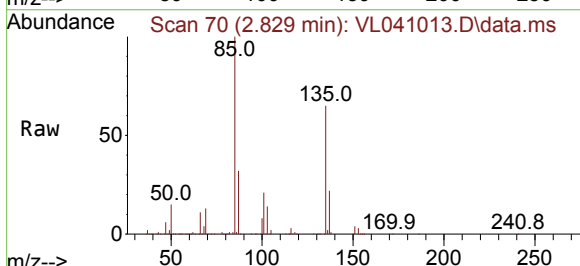
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MSVOA_L
ClientSampleId :
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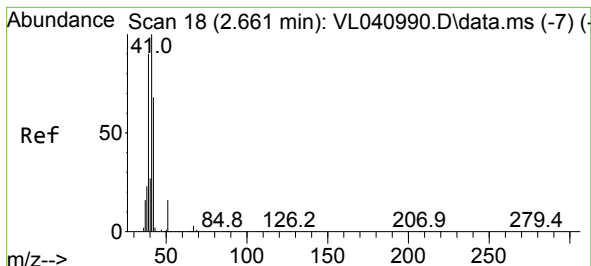
Tgt Ion: 64 Resp: 230484
Ion Ratio Lower Upper
64 100
66 31.4 26.0 39.0



#8
Dichlorotetrafluoroethane
Concen: 8.827 ppbv
RT: 2.829 min Scan# 70
Delta R.T. 0.003 min
Lab File: VL041013.D
Acq: 24 Jan 2024 12:50

Tgt Ion: 85 Resp: 1628399
Ion Ratio Lower Upper
85 100
135 69.7 55.0 82.6





#9

Propene

Concen: 9.212 ppbv

RT: 2.665 min Scan# 1537

Delta R.T. -0.000 min

Lab File: VL041013.D

Acq: 24 Jan 2024 12:50

Instrument :

MSVOA_L

ClientSampleId :

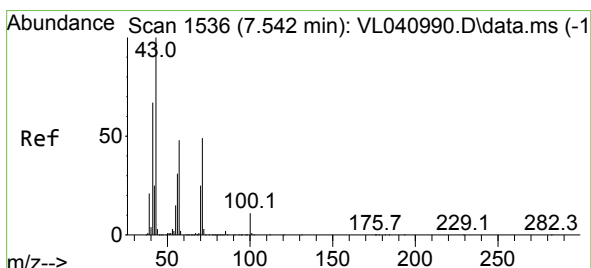
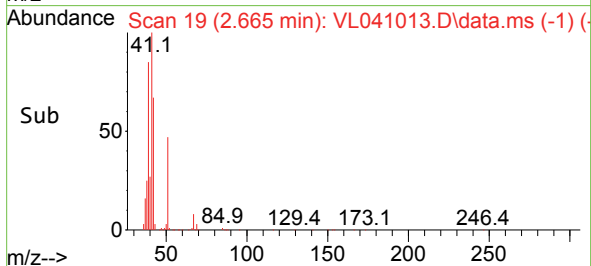
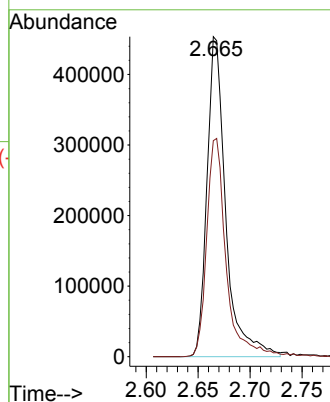
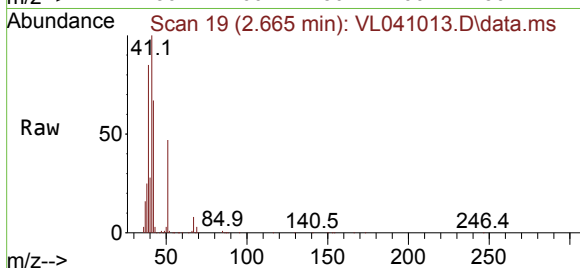
VL0124ABS01

Tgt Ion: 41 Resp: 568261

Ion Ratio Lower Upper

41 100

42 71.2 59.0 88.4



#10

Heptane

Concen: 9.508 ppbv

RT: 7.545 min Scan# 1537

Delta R.T. 0.003 min

Lab File: VL041013.D

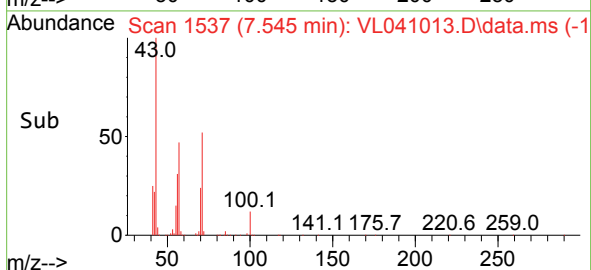
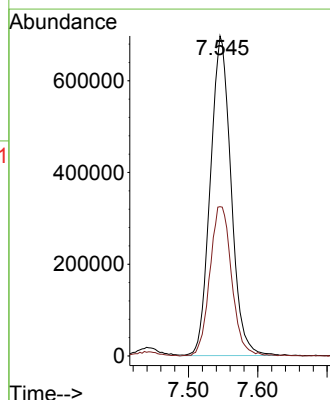
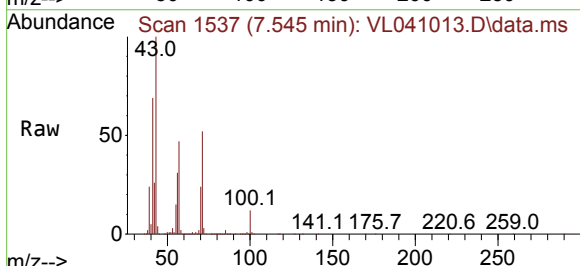
Acq: 24 Jan 2024 12:50

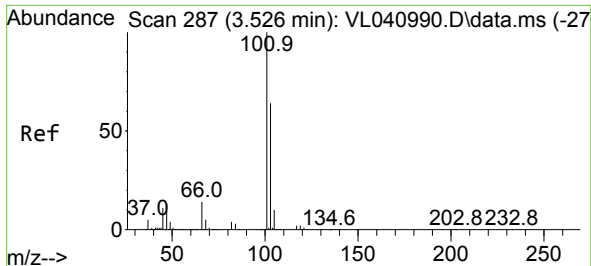
Tgt Ion: 43 Resp: 1443492

Ion Ratio Lower Upper

43 100

57 49.5 39.4 59.2

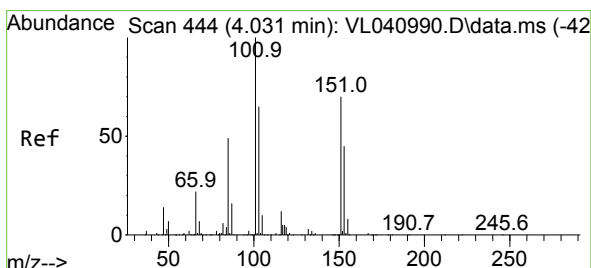
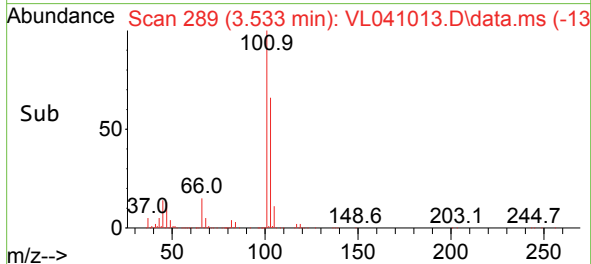
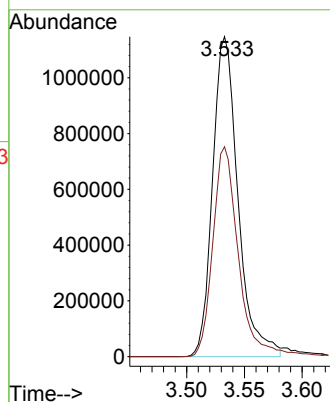
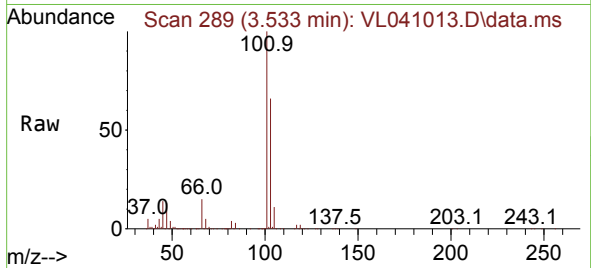




#11
 Trichlorofluoromethane
 Concen: 8.823 ppbv
 RT: 3.533 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VL041013.D
 Acq: 24 Jan 2024 12:50

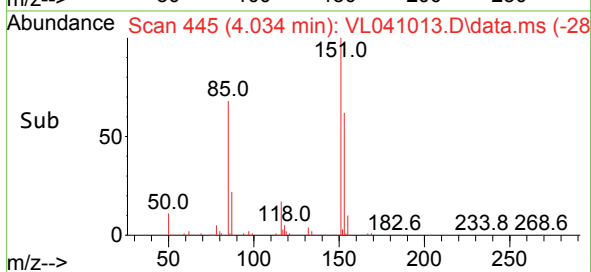
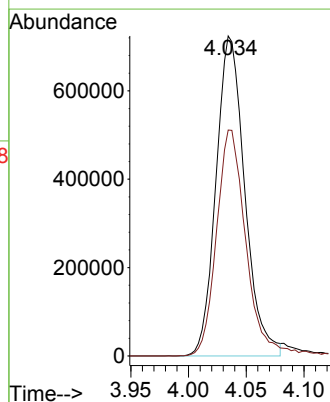
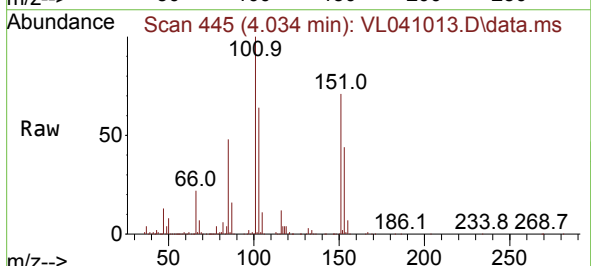
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0124ABS01

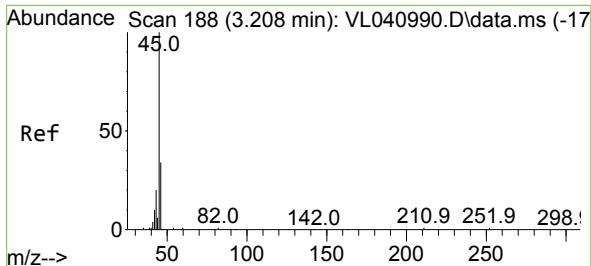
Tgt Ion:101 Resp: 1755729
 Ion Ratio Lower Upper
 101 100
 103 65.6 51.4 77.2



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.692 ppbv
 RT: 4.034 min Scan# 445
 Delta R.T. 0.003 min
 Lab File: VL041013.D
 Acq: 24 Jan 2024 12:50

Tgt Ion:101 Resp: 1253529
 Ion Ratio Lower Upper
 101 100
 151 73.2 56.6 85.0

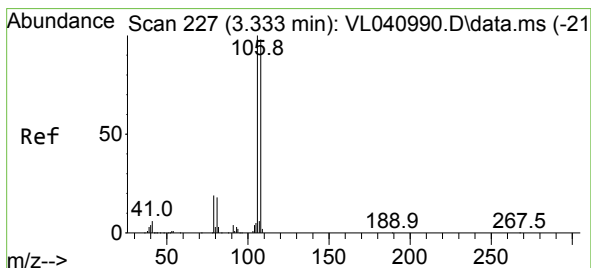
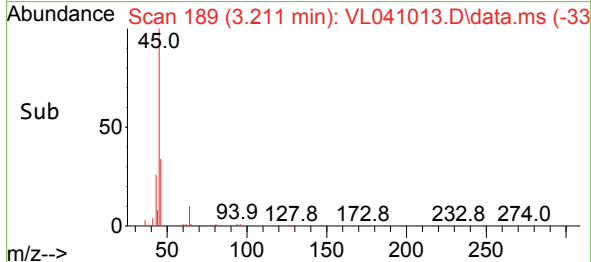
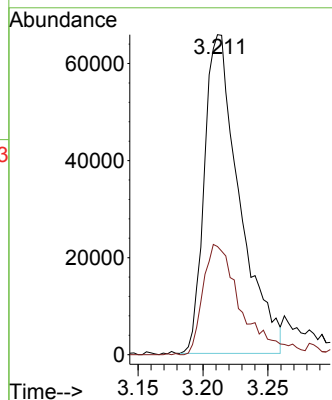
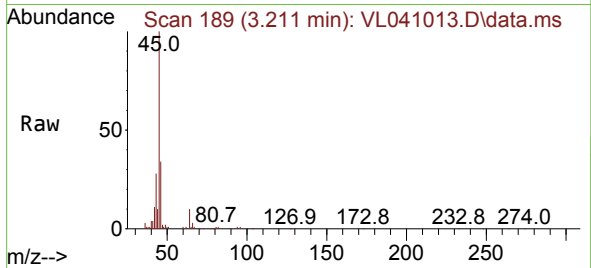




#13
Ethanol
Concen: 8.410 ppbv
RT: 3.211 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL041013.D
Acq: 24 Jan 2024 12:50

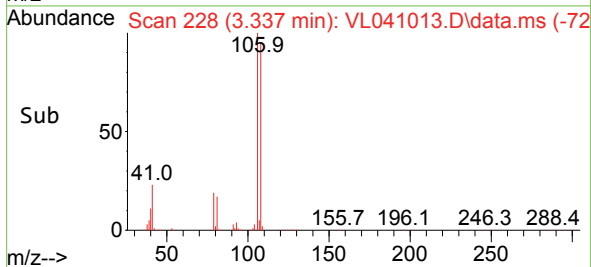
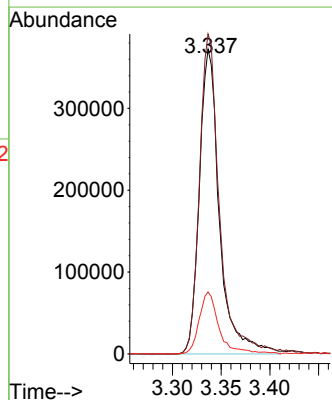
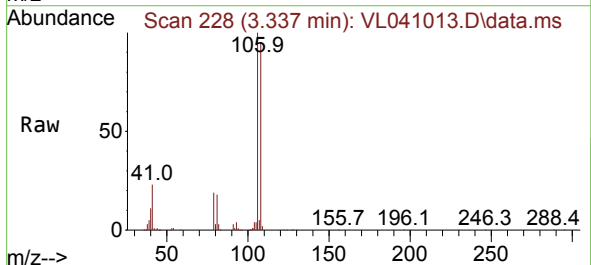
Instrument :
MSVOA_L
ClientSampleId :
VL0124ABS01

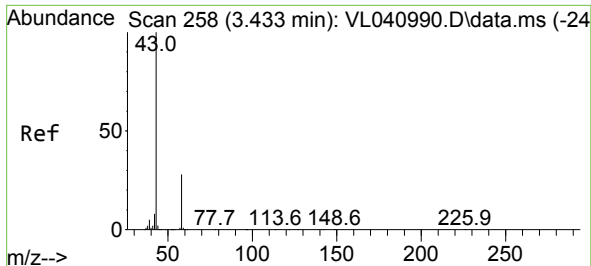
Tgt Ion: 45 Resp: 123640
Ion Ratio Lower Upper
45 100
46 40.1 16.2 64.8



#14
Bromoethene
Concen: 9.618 ppbv
RT: 3.337 min Scan# 228
Delta R.T. 0.003 min
Lab File: VL041013.D
Acq: 24 Jan 2024 12:50

Tgt Ion: 108 Resp: 532553
Ion Ratio Lower Upper
108 100
106 105.9 86.4 129.6
79 20.5 16.2 24.4





#15

Acetone

Concen: 8.549 ppbv

RT: 3.436 min Scan# 21

Delta R.T. -0.000 min

Lab File: VL041013.D

Acq: 24 Jan 2024 12:50

Instrument :

MSVOA_L

ClientSampleId :

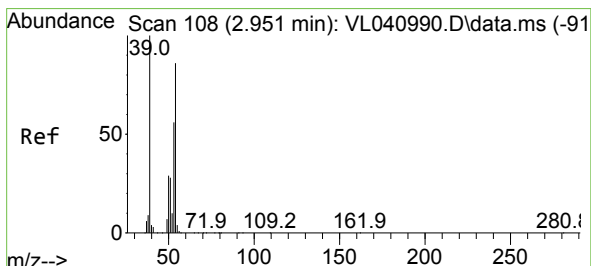
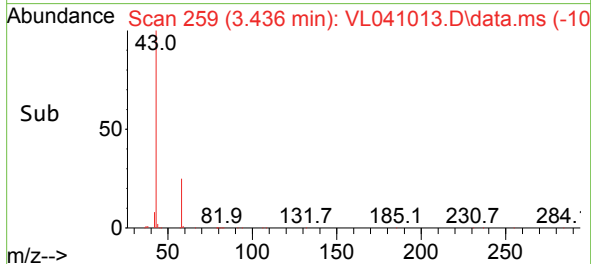
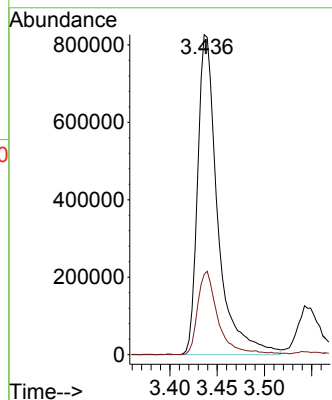
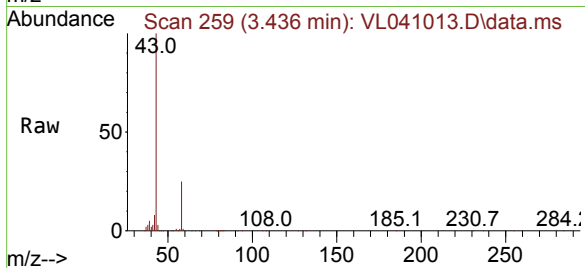
VL0124ABS01

Tgt Ion: 43 Resp: 1222432

Ion Ratio Lower Upper

43 100

58 26.7 22.2 33.2



#16

1,3-Butadiene

Concen: 8.868 ppbv

RT: 2.957 min Scan# 110

Delta R.T. 0.003 min

Lab File: VL041013.D

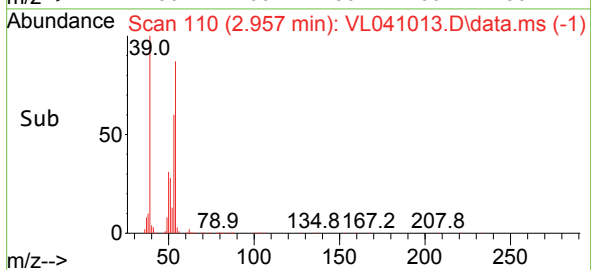
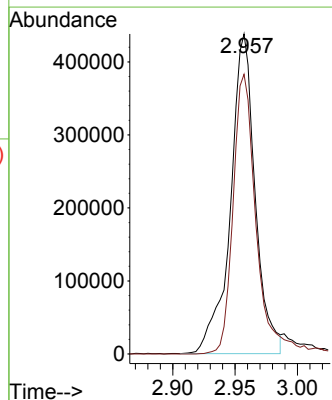
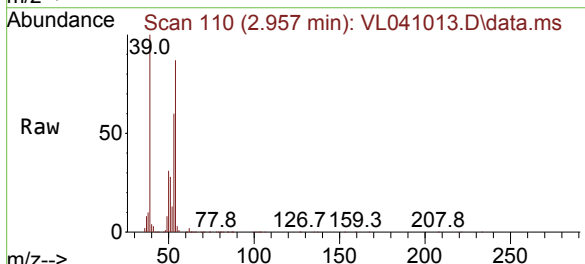
Acq: 24 Jan 2024 12:50

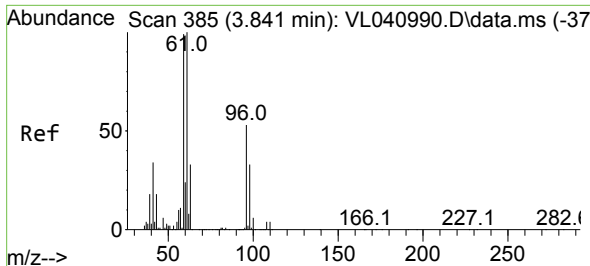
Tgt Ion: 39 Resp: 606559

Ion Ratio Lower Upper

39 100

54 83.2 62.7 94.1

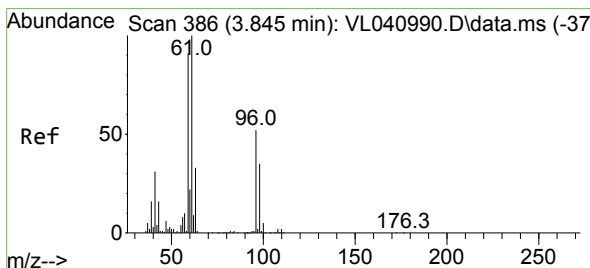
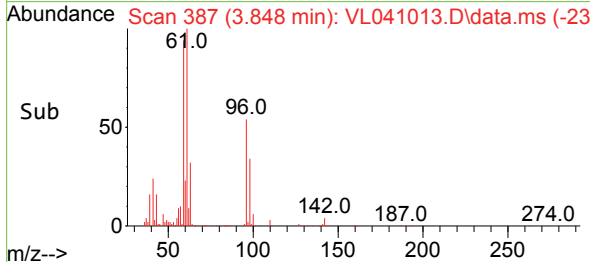
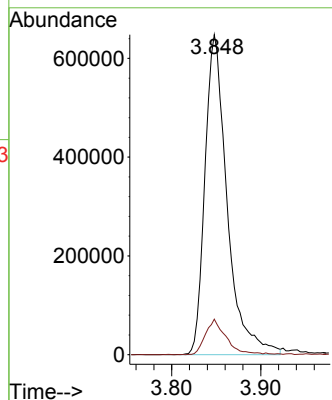
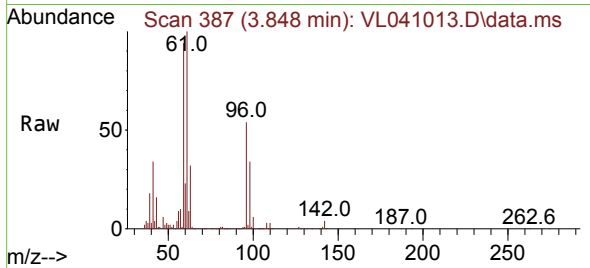




#17
tert-Butyl alcohol
Concen: 9.573 ppbv
RT: 3.848 min Scan# 385
Delta R.T. 0.003 min
Lab File: VL041013.D
Acq: 24 Jan 2024 12:50

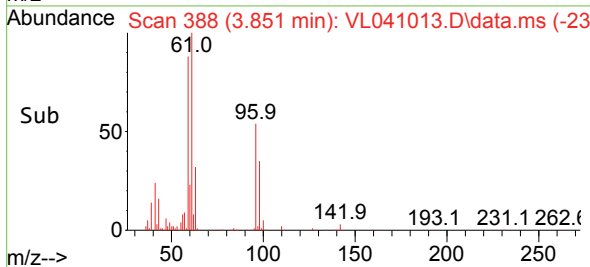
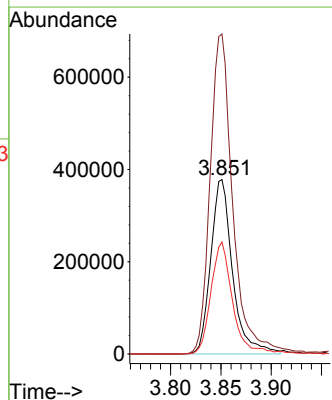
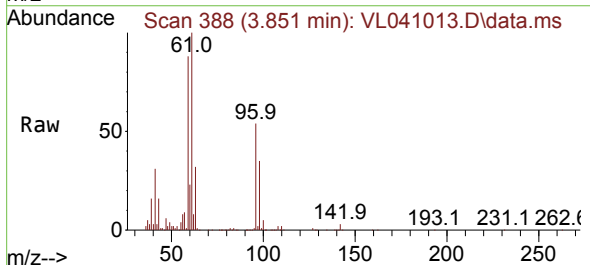
Instrument :
MSVOA_L
ClientSampleId :
VL0124ABS01

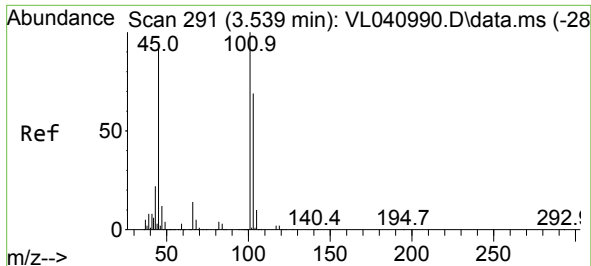
Tgt Ion: 59 Resp: 1122758
Ion Ratio Lower Upper
59 100
57 10.5 8.7 13.1



#18
1,1-Dichloroethene
Concen: 9.260 ppbv
RT: 3.851 min Scan# 388
Delta R.T. 0.003 min
Lab File: VL041013.D
Acq: 24 Jan 2024 12:50

Tgt Ion: 96 Resp: 571757
Ion Ratio Lower Upper
96 100
61 183.5 153.8 230.8
98 64.1 53.7 80.5

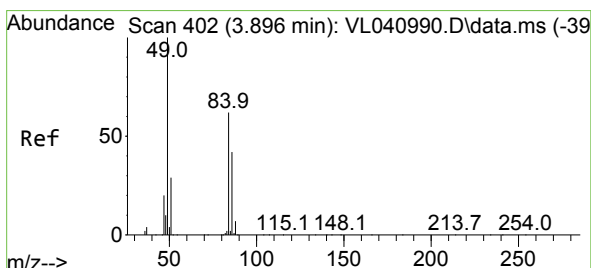
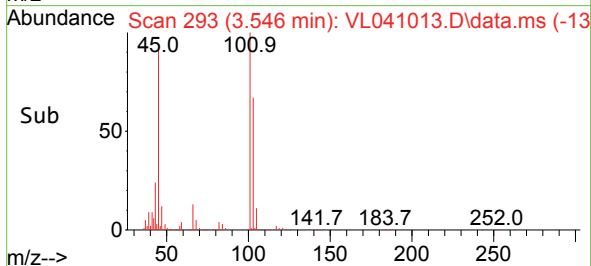
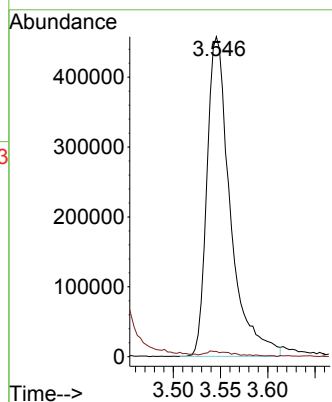
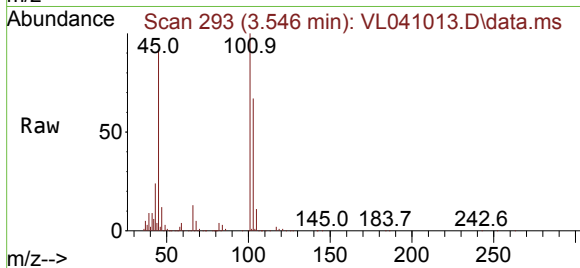




#19
Isopropyl Alcohol
Concen: 9.493 ppbv
RT: 3.546 min Scan# 291
Delta R.T. -0.000 min
Lab File: VL041013.D
Acq: 24 Jan 2024 12:50

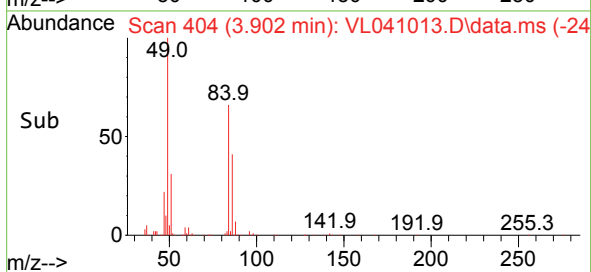
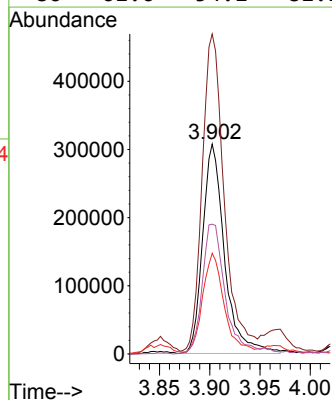
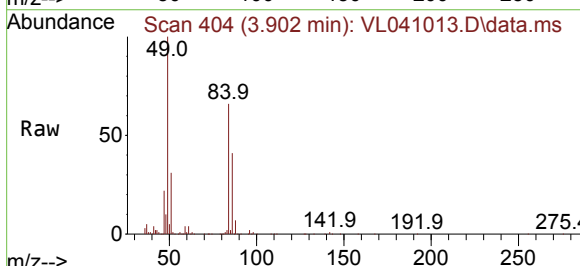
Instrument :
MSVOA_L
ClientSampleId :
VL0124ABS01

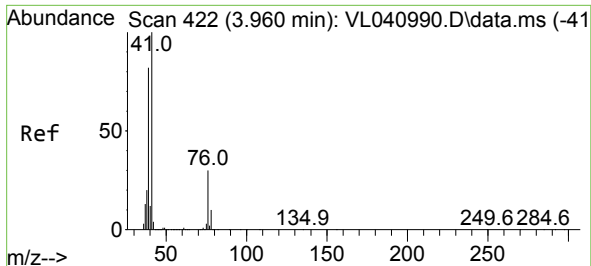
Tgt Ion: 45 Resp: 785725
Ion Ratio Lower Upper
45 100
58 2.7 2.2 3.4



#20
Methylene Chloride
Concen: 8.472 ppbv
RT: 3.902 min Scan# 404
Delta R.T. 0.003 min
Lab File: VL041013.D
Acq: 24 Jan 2024 12:50

Tgt Ion: 84 Resp: 466158
Ion Ratio Lower Upper
84 100
49 151.5 128.1 192.1
51 47.0 36.5 54.7
86 61.6 54.1 81.1

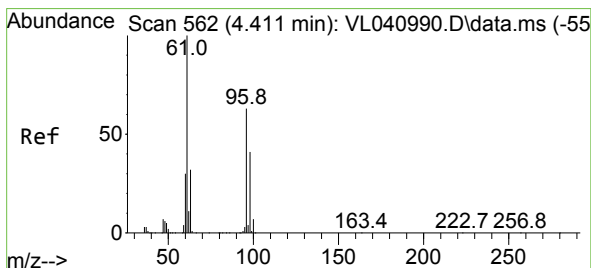
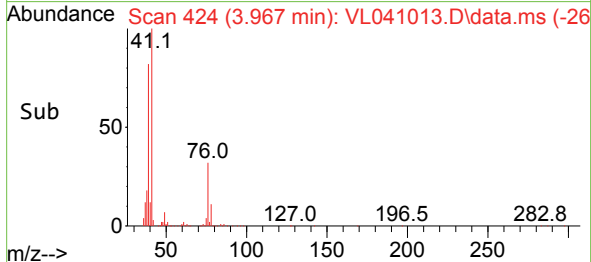
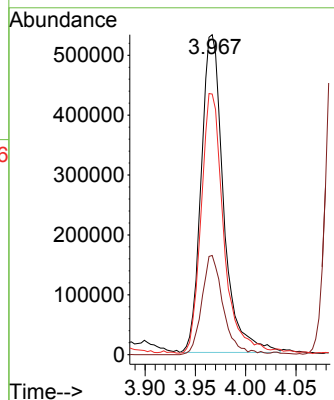
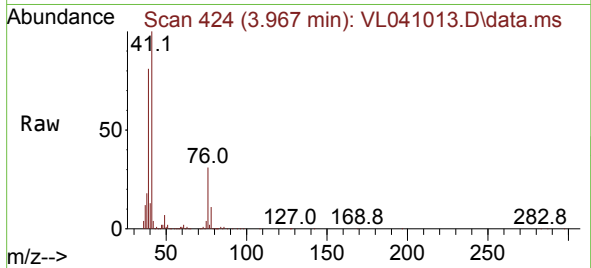




#21
 Allyl Chloride
 Concen: 9.460 ppbv
 RT: 3.967 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL041013.D
 Acq: 24 Jan 2024 12:50

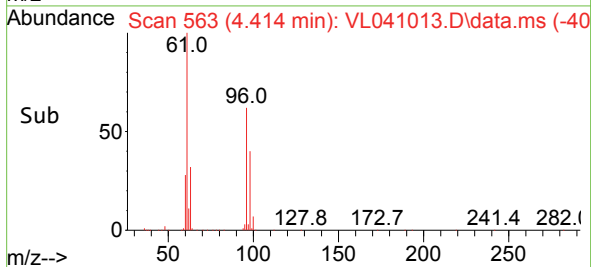
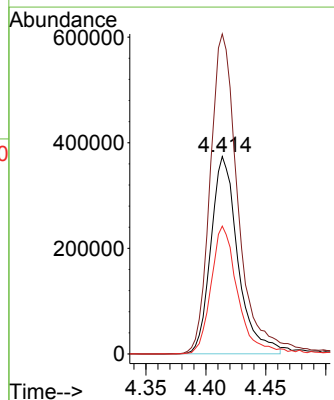
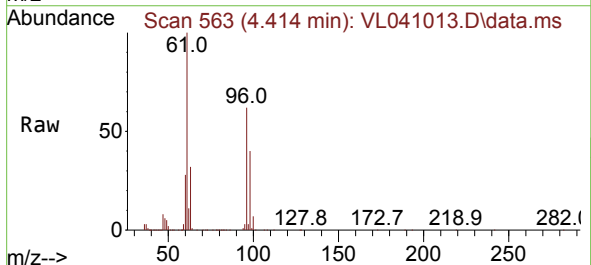
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0124ABS01

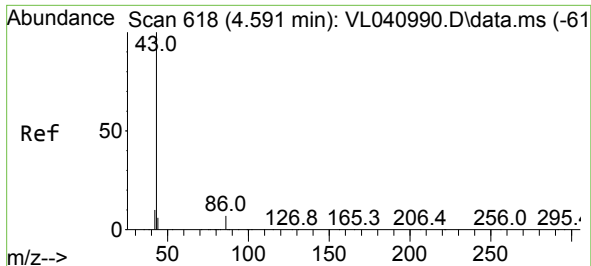
Tgt Ion: 41 Resp: 821819
 Ion Ratio Lower Upper
 41 100
 76 30.5 25.0 37.4
 39 82.4 67.0 100.6



#22
 trans-1,2-Dichloroethene
 Concen: 9.232 ppbv
 RT: 4.414 min Scan# 563
 Delta R.T. 0.003 min
 Lab File: VL041013.D
 Acq: 24 Jan 2024 12:50

Tgt Ion: 96 Resp: 586937
 Ion Ratio Lower Upper
 96 100
 61 162.0 126.0 189.0
 98 64.7 51.2 76.8



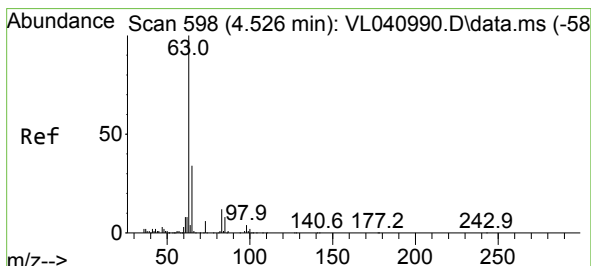
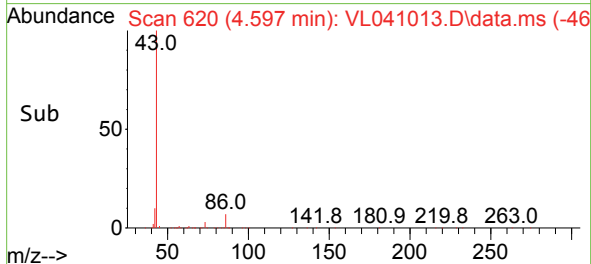
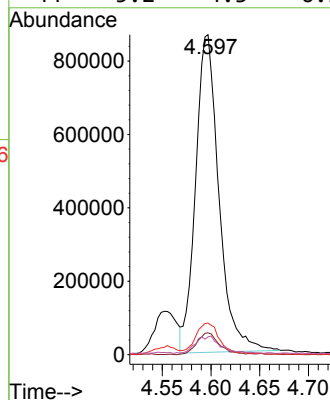
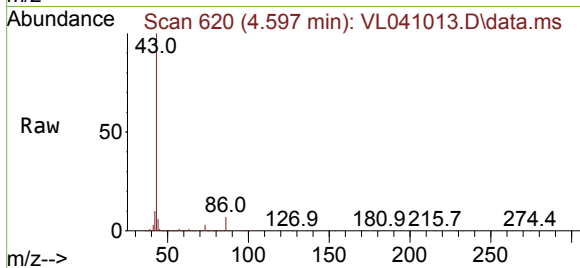


#23
 Vinyl Acetate
 Concen: 9.775 ppbv
 RT: 4.597 min Scan# 61
 Delta R.T. 0.003 min
 Lab File: VL041013.D
 Acq: 24 Jan 2024 12:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0124ABS01

Tgt Ion: 43 Resp: 1440806

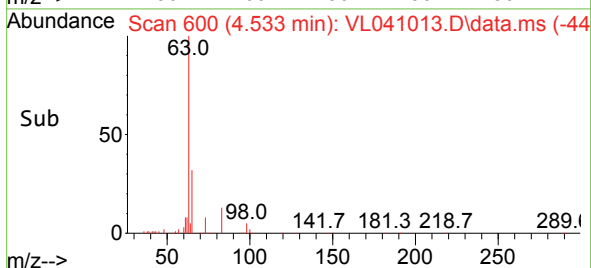
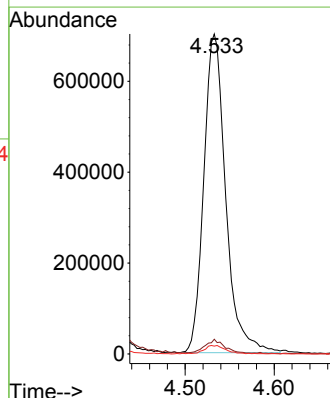
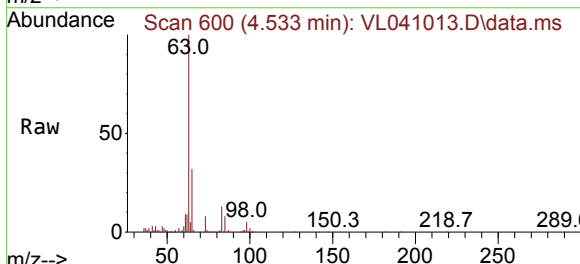
Ion	Ratio	Lower	Upper
43	100		
86	6.8	5.4	8.0
42	9.8	8.6	13.0
44	5.2	4.3	6.5

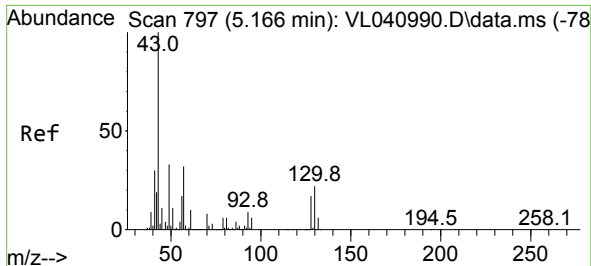


#24
 1,1-Dichloroethane
 Concen: 9.162 ppbv
 RT: 4.533 min Scan# 600
 Delta R.T. 0.003 min
 Lab File: VL041013.D
 Acq: 24 Jan 2024 12:50

Tgt Ion: 63 Resp: 1197900

Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.1	6.3
100	2.4	1.3	3.9



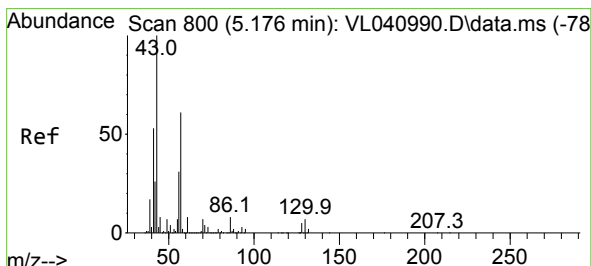
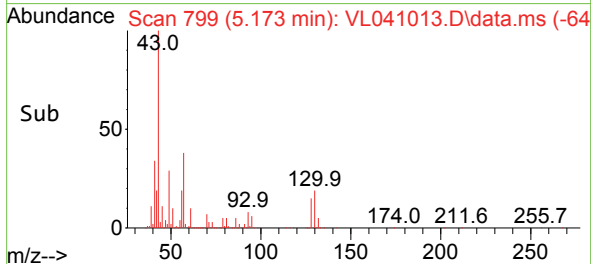
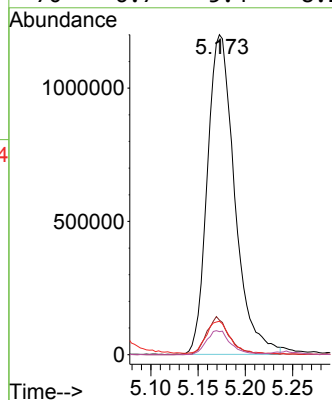
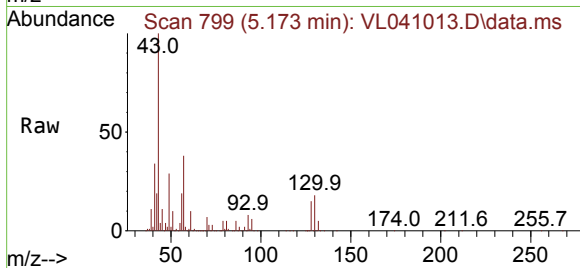


#25
Ethyl Acetate
Concen: 9.283 ppbv
RT: 5.173 min Scan# 798
Delta R.T. 0.006 min
Lab File: VL041013.D
Acq: 24 Jan 2024 12:50

Instrument :
MSVOA_L
ClientSampleId :
VL0124ABS01

Tgt Ion: 43 Resp: 2406868

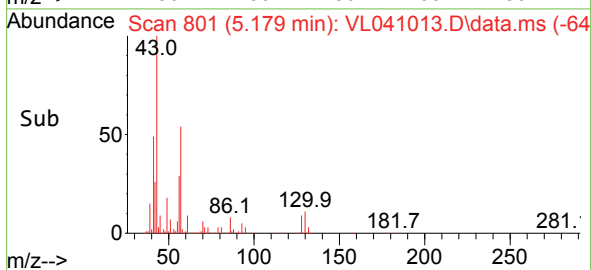
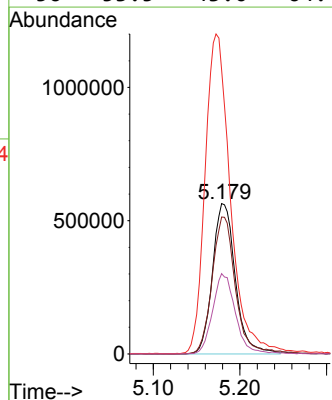
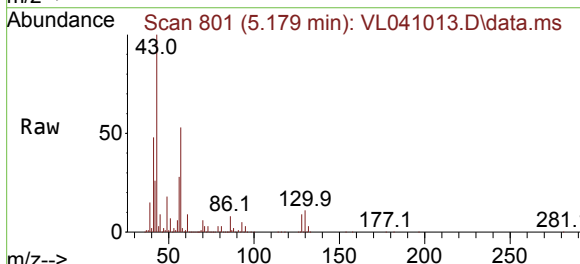
Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.2	12.4
61	10.1	7.9	11.9
70	6.7	5.4	8.2

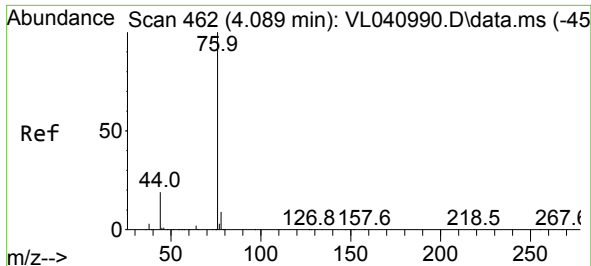


#26
Hexane
Concen: 9.358 ppbv
RT: 5.179 min Scan# 801
Delta R.T. -0.000 min
Lab File: VL041013.D
Acq: 24 Jan 2024 12:50

Tgt Ion: 57 Resp: 1034137

Ion	Ratio	Lower	Upper
57	100		
41	93.8	74.4	111.6
43	237.4	190.6	285.8
56	53.5	43.0	64.4

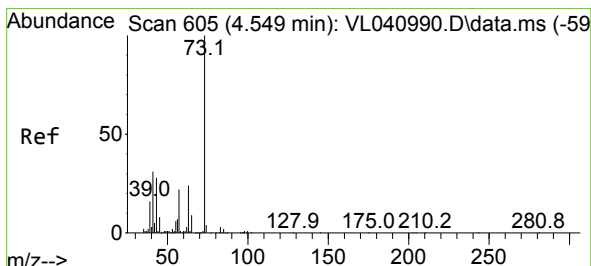
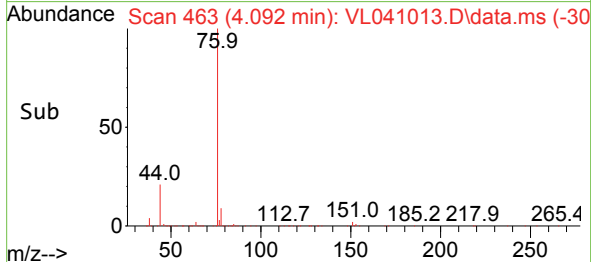
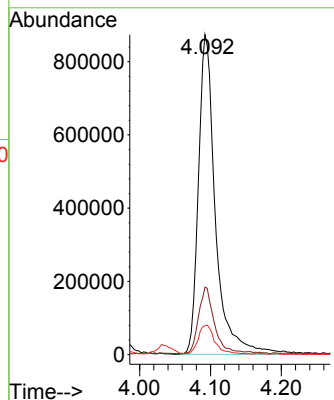
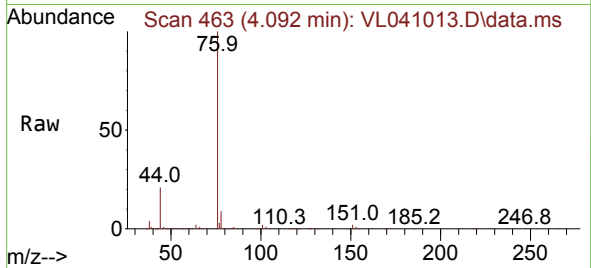




#27
Carbon Disulfide
Concen: 10.082 ppbv
RT: 4.092 min Scan# 407
Delta R.T. -0.000 min
Lab File: VL041013.D
Acq: 24 Jan 2024 12:50

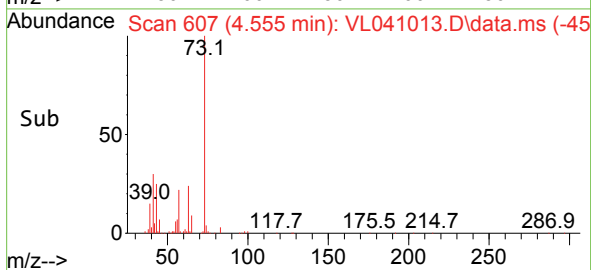
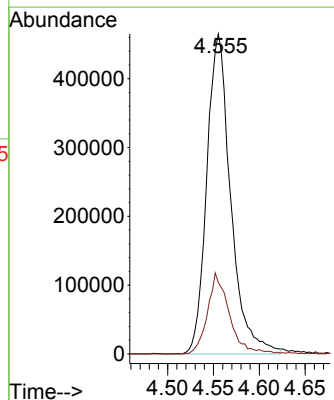
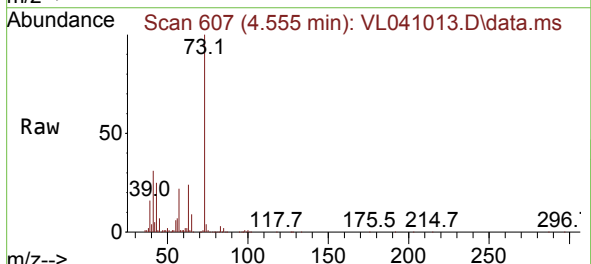
Instrument :
MSVOA_L
ClientSampleId :
VL0124ABS01

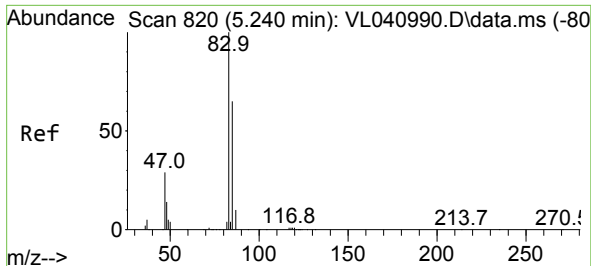
Tgt Ion: 76 Resp: 1449958
Ion Ratio Lower Upper
76 100
44 20.4 16.0 24.0
78 9.7 7.8 11.8



#28
Methyl tert-Butyl Ether
Concen: 9.197 ppbv
RT: 4.555 min Scan# 607
Delta R.T. 0.003 min
Lab File: VL041013.D
Acq: 24 Jan 2024 12:50

Tgt Ion: 73 Resp: 843584
Ion Ratio Lower Upper
73 100
57 23.4 18.0 27.0





#29

Chloroform

Concen: 9.089 ppbv

RT: 5.243 min Scan# 81

Delta R.T. 0.003 min

Lab File: VL041013.D

Acq: 24 Jan 2024 12:50

Instrument :

MSVOA_L

ClientSampleId :

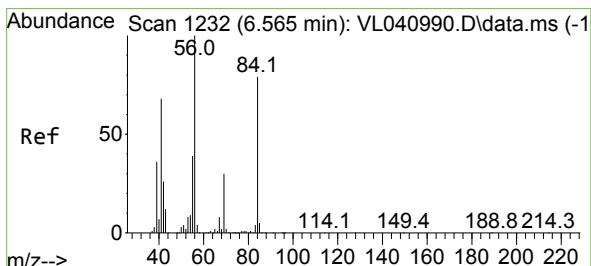
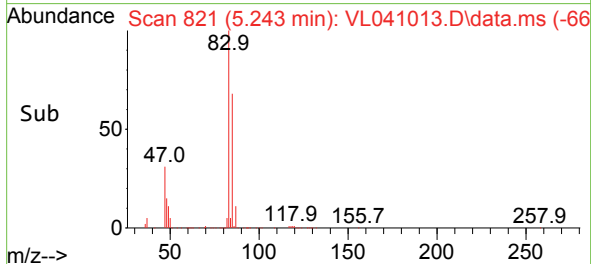
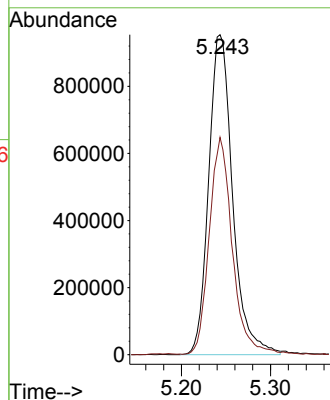
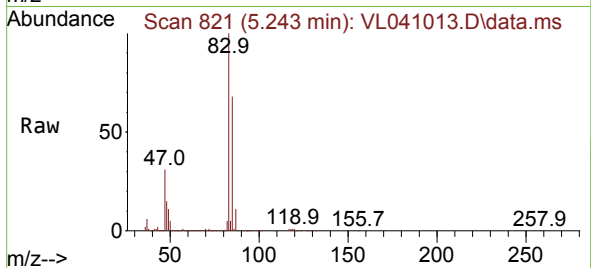
VL0124ABS01

Tgt Ion: 83 Resp: 1781603

Ion Ratio Lower Upper

83 100

85 67.7 51.6 77.4



#30

Cyclohexane

Concen: 9.675 ppbv

RT: 6.565 min Scan# 1232

Delta R.T. -0.000 min

Lab File: VL041013.D

Acq: 24 Jan 2024 12:50

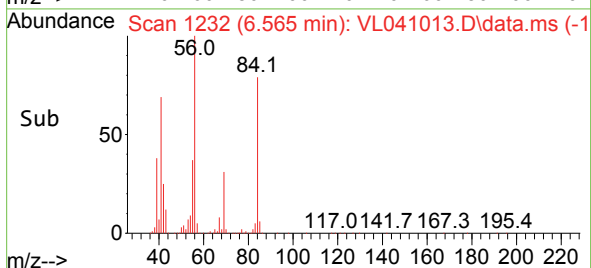
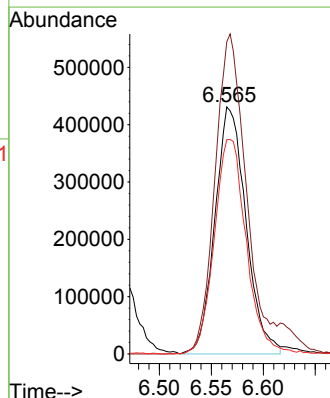
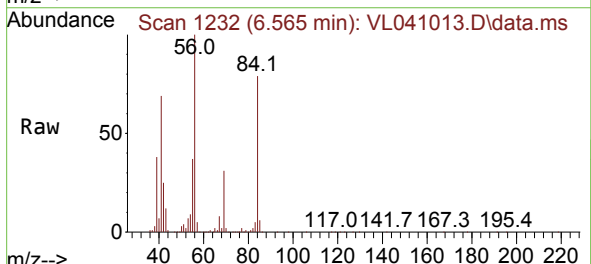
Tgt Ion: 84 Resp: 895795

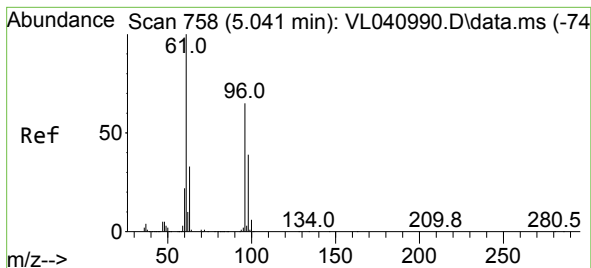
Ion Ratio Lower Upper

84 100

56 137.6 111.7 167.5

41 89.8 71.0 106.6





#31

cis-1,2-Dichloroethene

Concen: 10.028 ppbv

RT: 5.047 min Scan# 758

Delta R.T. 0.003 min

Lab File: VL041013.D

Acq: 24 Jan 2024 12:50

Instrument :

MSVOA_L

ClientSampleId :

VL0124ABS01

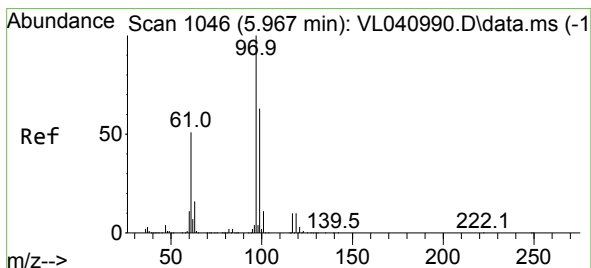
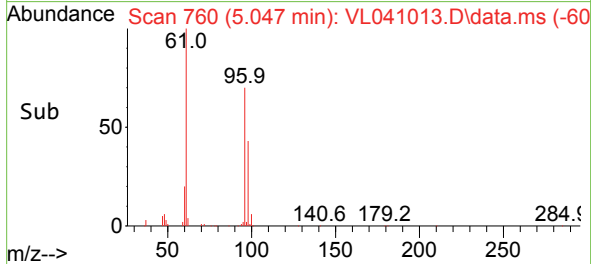
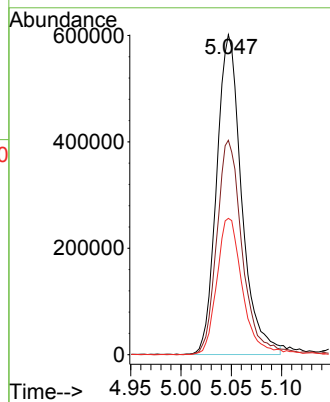
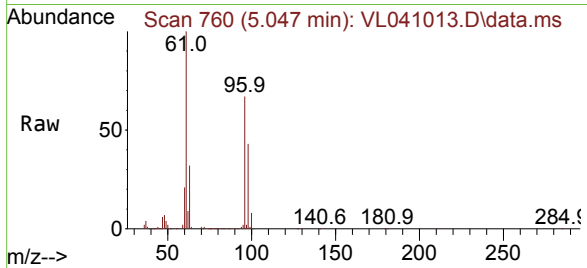
Tgt Ion: 61 Resp: 1040092

Ion Ratio Lower Upper

61 100

96 67.0 51.9 77.9

98 42.5 31.5 47.3



#32

1,1,1-Trichloroethane

Concen: 9.606 ppbv

RT: 5.973 min Scan# 1048

Delta R.T. 0.003 min

Lab File: VL041013.D

Acq: 24 Jan 2024 12:50

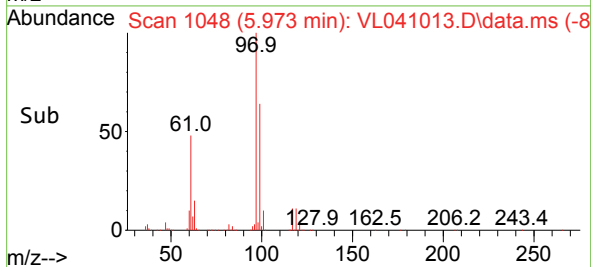
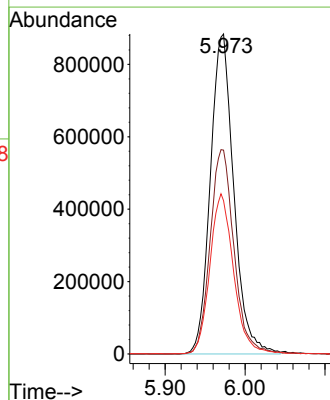
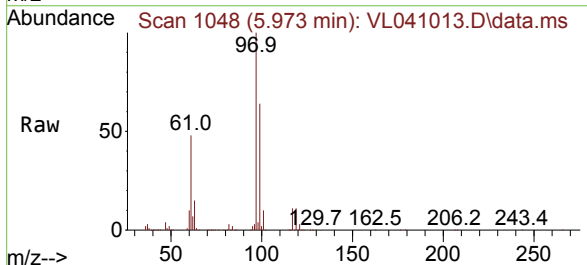
Tgt Ion: 97 Resp: 1799617

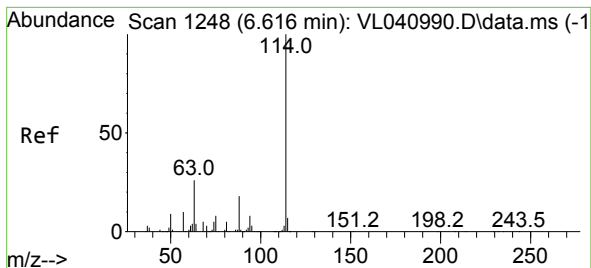
Ion Ratio Lower Upper

97 100

99 65.3 51.5 77.3

61 51.0 40.3 60.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.619 min Scan# 1

Delta R.T. 0.003 min

Lab File: VL041013.D

Acq: 24 Jan 2024 12:50

Instrument :

MSVOA_L

ClientSampleId :

VL0124ABS01

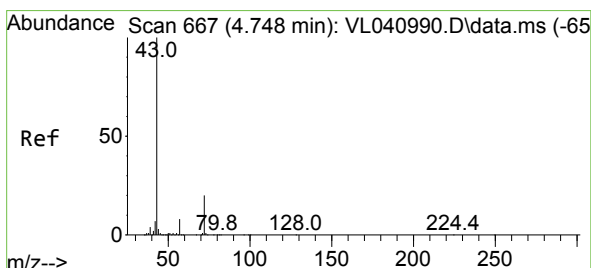
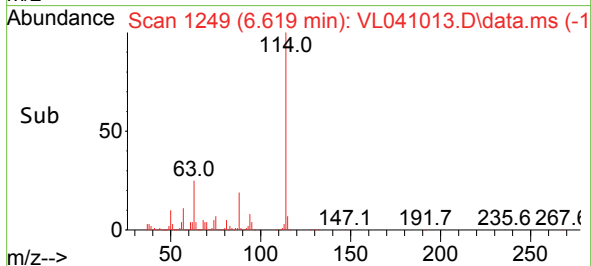
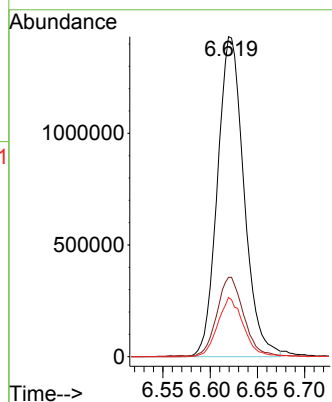
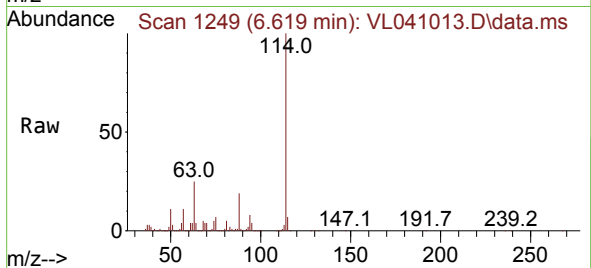
Tgt Ion:114 Resp: 2788215

Ion Ratio Lower Upper

114 100

63 25.7 20.8 31.2

88 18.0 14.3 21.5



#34

2-Butanone

Concen: 9.947 ppbv

RT: 4.751 min Scan# 668

Delta R.T. -0.000 min

Lab File: VL041013.D

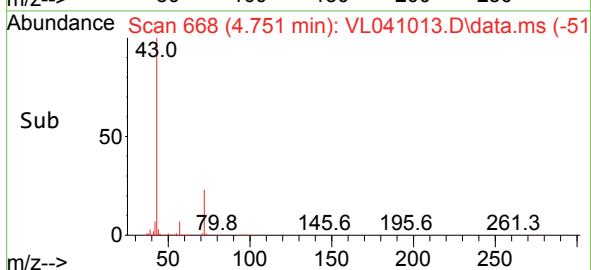
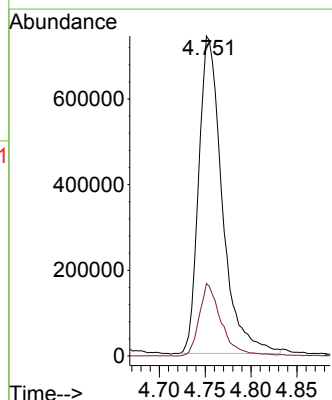
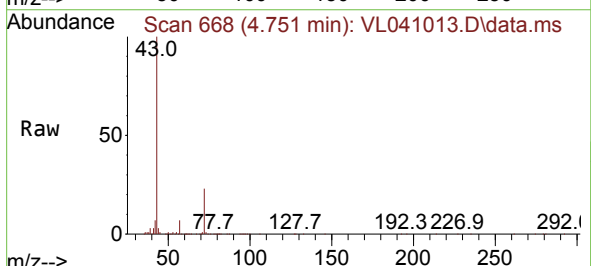
Acq: 24 Jan 2024 12:50

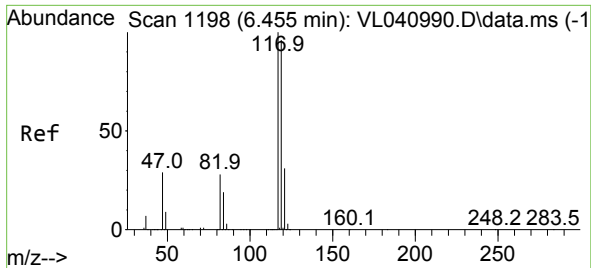
Tgt Ion: 43 Resp: 1321282

Ion Ratio Lower Upper

43 100

72 22.0 17.5 26.3

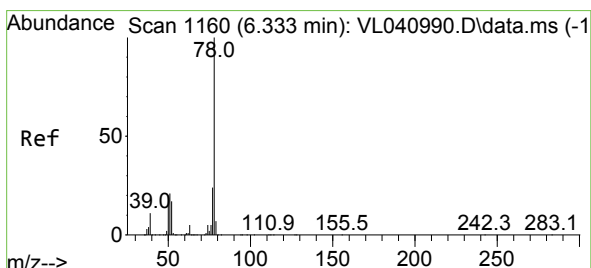
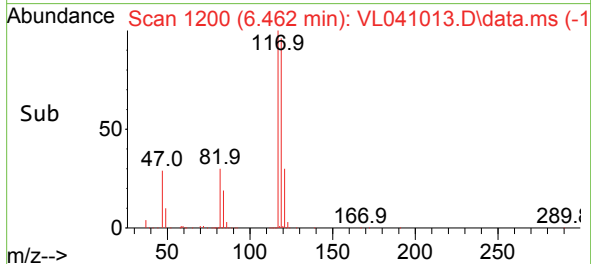
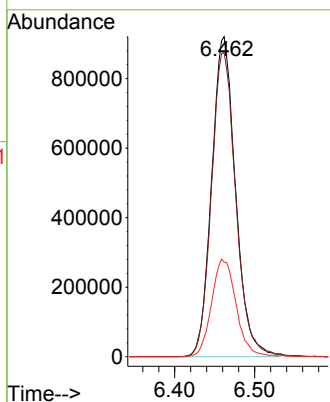
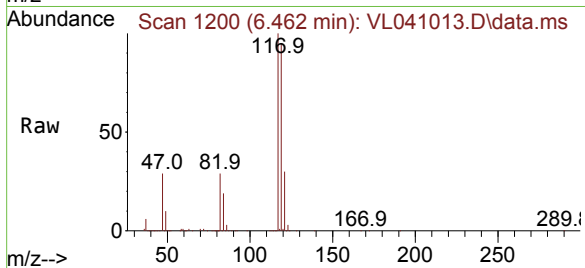




#35
Carbon Tetrachloride
Concen: 10.259 ppbv
RT: 6.462 min Scan# 1198
Delta R.T. 0.003 min
Lab File: VL041013.D
Acq: 24 Jan 2024 12:50

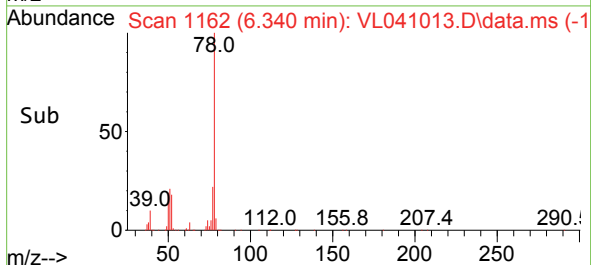
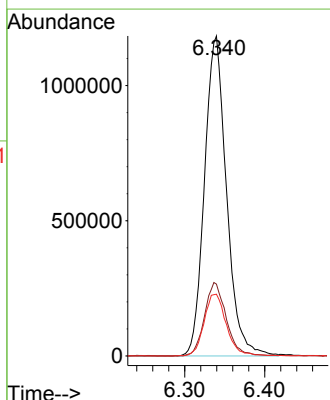
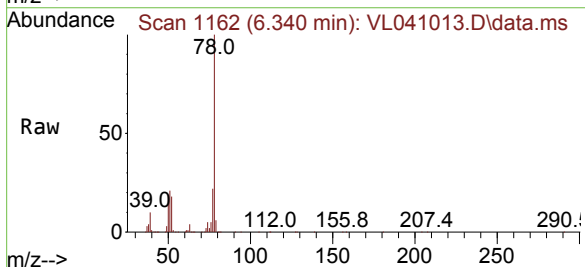
Instrument :
MSVOA_L
ClientSampleId :
VL0124ABS01

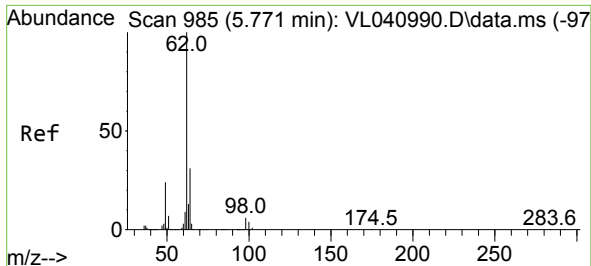
Tgt Ion:117 Resp: 1907469
Ion Ratio Lower Upper
117 100
119 95.0 76.9 115.3
121 29.5 24.7 37.1



#36
Benzene
Concen: 9.846 ppbv
RT: 6.340 min Scan# 1162
Delta R.T. 0.006 min
Lab File: VL041013.D
Acq: 24 Jan 2024 12:50

Tgt Ion: 78 Resp: 2267223
Ion Ratio Lower Upper
78 100
77 22.4 19.0 28.4
50 19.3 15.8 23.6





#37

1,2-Dichloroethane

Concen: 9.701 ppbv

RT: 5.774 min Scan# 91

Delta R.T. -0.000 min

Lab File: VL041013.D

Acq: 24 Jan 2024 12:50

Instrument :

MSVOA_L

ClientSampleId :

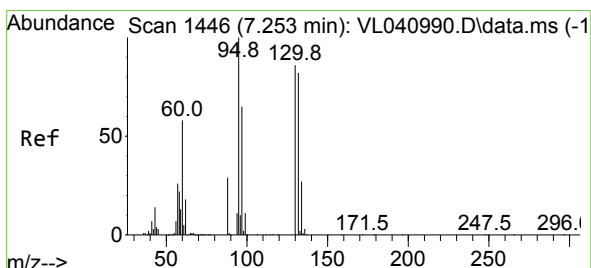
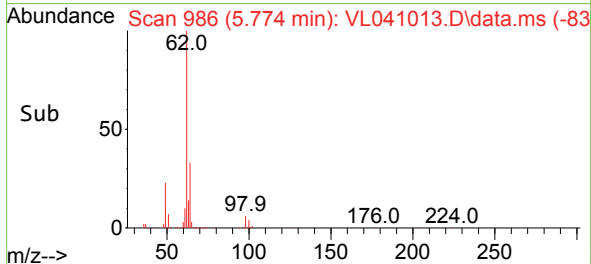
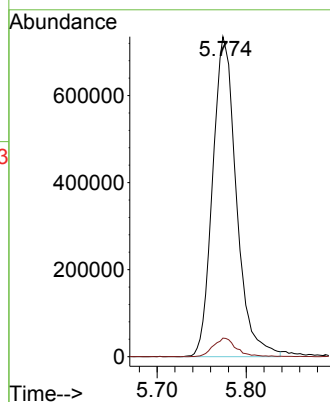
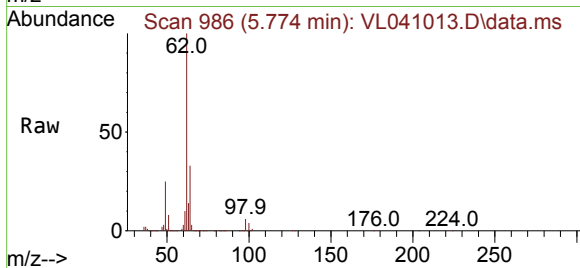
VL0124ABS01

Tgt Ion: 62 Resp: 1363220

Ion Ratio Lower Upper

62 100

98 5.8 4.7 7.1



#38

Trichloroethene

Concen: 9.688 ppbv

RT: 7.259 min Scan# 1448

Delta R.T. 0.006 min

Lab File: VL041013.D

Acq: 24 Jan 2024 12:50

Tgt Ion:130 Resp: 894334

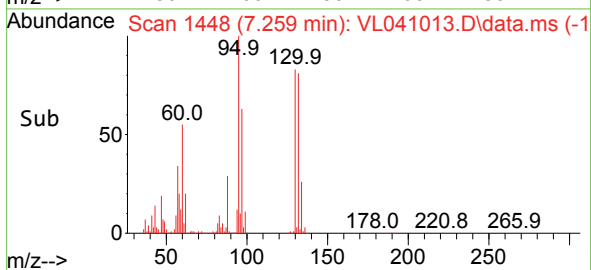
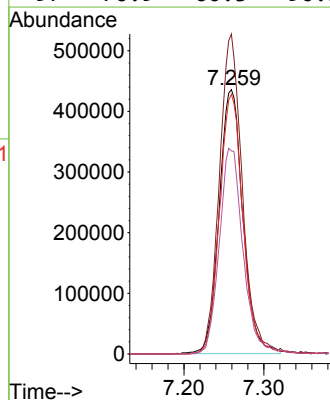
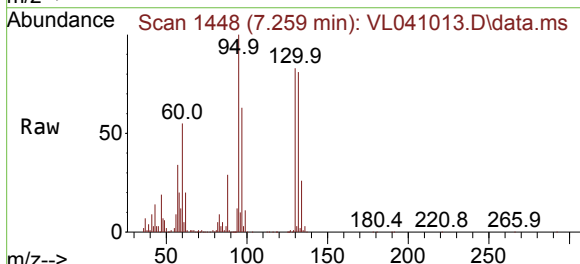
Ion Ratio Lower Upper

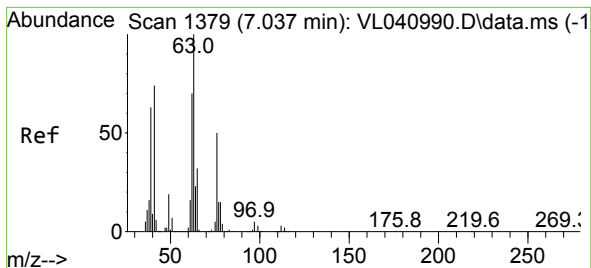
130 100

95 121.2 92.9 139.3

132 98.4 76.2 114.2

97 76.9 60.3 90.5





#39

1,2-Dichloropropane

Concen: 9.840 ppbv

RT: 7.041 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL041013.D

Acq: 24 Jan 2024 12:50

Instrument :

MSVOA_L

ClientSampleId :

VL0124ABS01

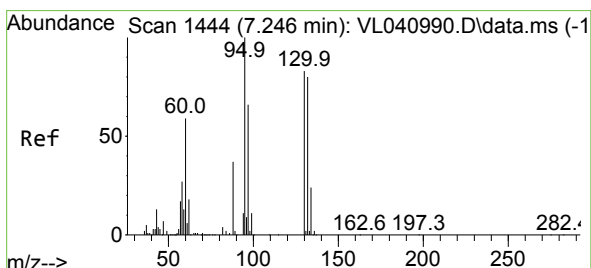
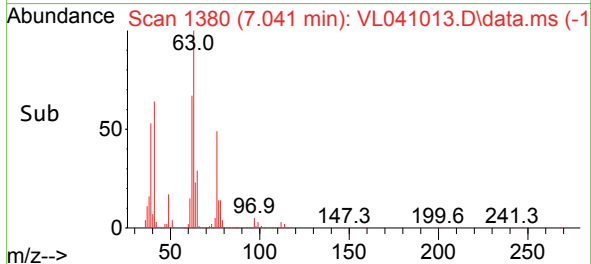
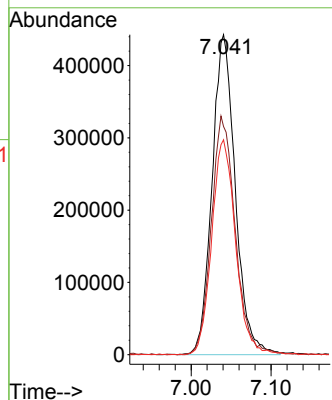
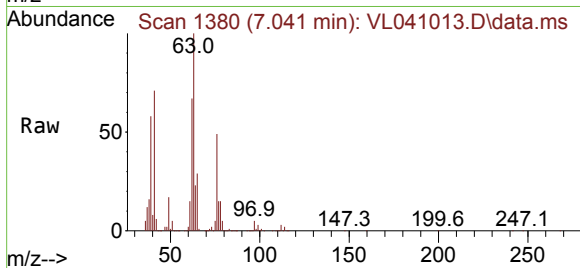
Tgt Ion: 63 Resp: 892609

Ion Ratio Lower Upper

63 100

41 71.2 59.6 89.4

62 67.1 55.6 83.4



#40

1,4-Dioxane

Concen: 9.660 ppbv

RT: 7.250 min Scan# 1445

Delta R.T. -0.000 min

Lab File: VL041013.D

Acq: 24 Jan 2024 12:50

Tgt Ion: 88 Resp: 363983

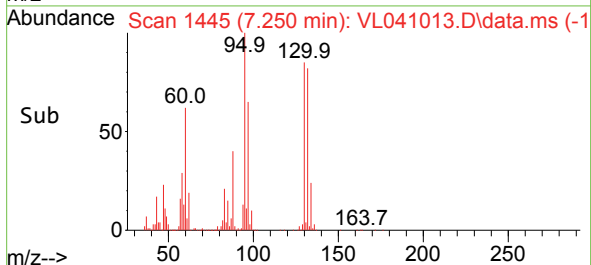
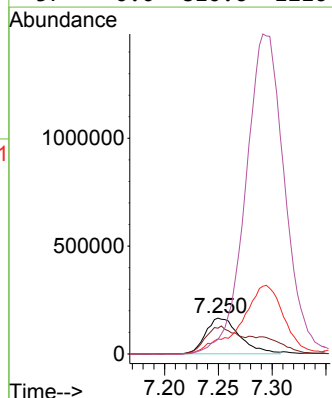
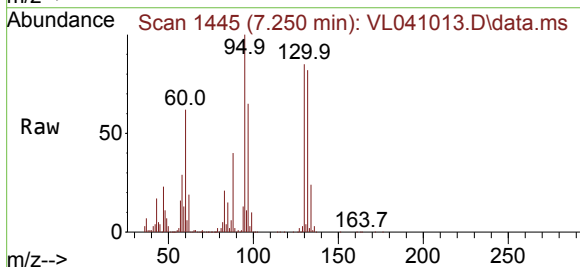
Ion Ratio Lower Upper

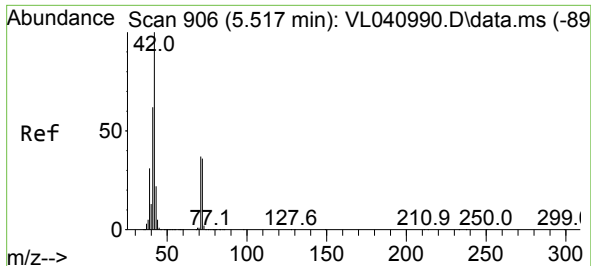
88 100

58 122.1 96.6 144.8

43 0.0 191.0 286.6#

57 0.0 810.6 1216.0#

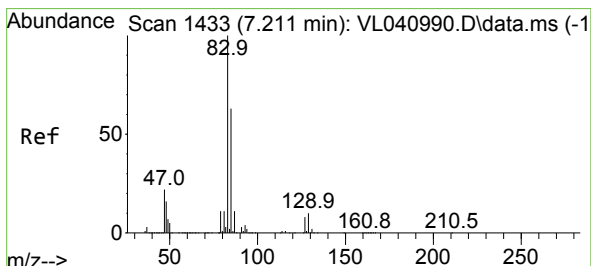
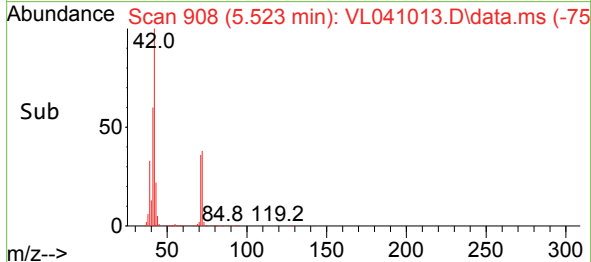
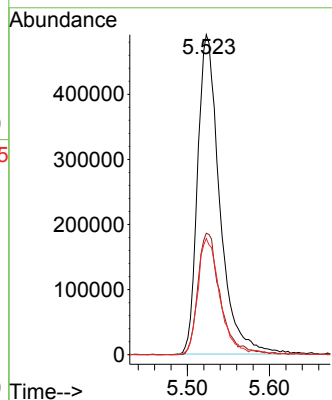
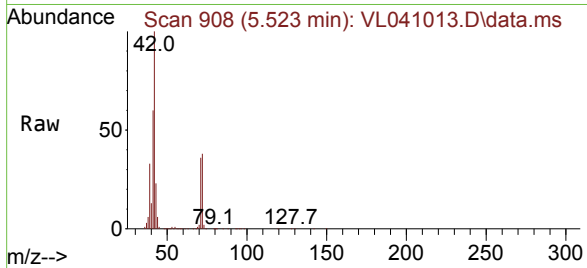




#41
Tetrahydrofuran
Concen: 10.189 ppbv
RT: 5.523 min Scan# 906
Delta R.T. 0.003 min
Lab File: VL041013.D
Acq: 24 Jan 2024 12:50

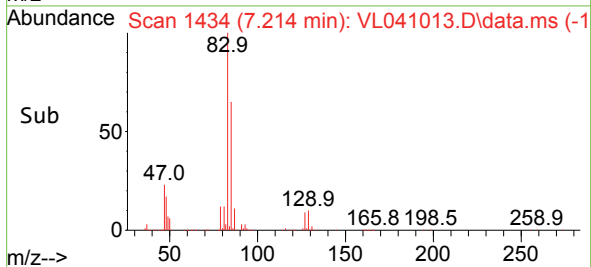
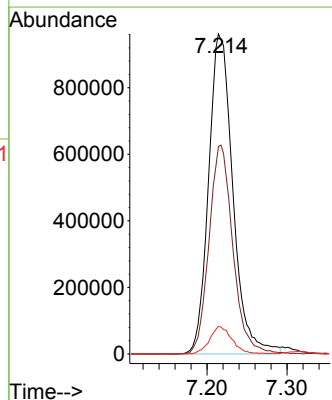
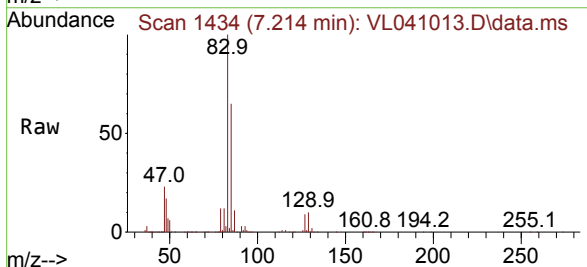
Instrument :
MSVOA_L
ClientSampleId :
VL0124ABS01

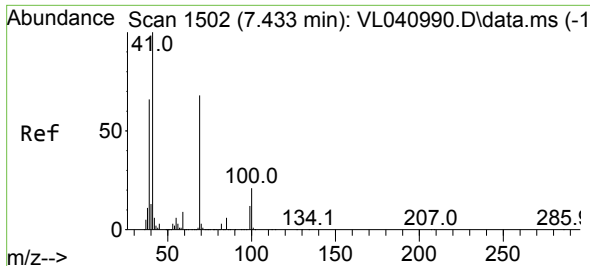
Tgt Ion: 42 Resp: 918961
Ion Ratio Lower Upper
42 100
72 38.9 30.0 45.0
71 37.2 29.5 44.3



#42
Bromodichloromethane
Concen: 10.101 ppbv
RT: 7.214 min Scan# 1434
Delta R.T. -0.000 min
Lab File: VL041013.D
Acq: 24 Jan 2024 12:50

Tgt Ion: 83 Resp: 2030867
Ion Ratio Lower Upper
83 100
85 64.8 50.5 75.7
127 8.6 6.4 9.6

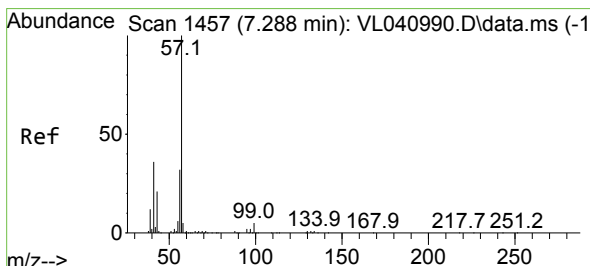
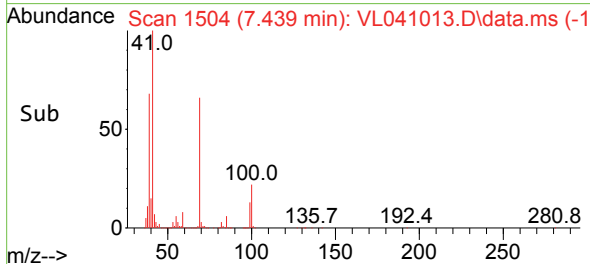
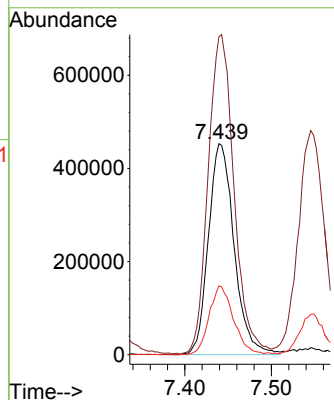
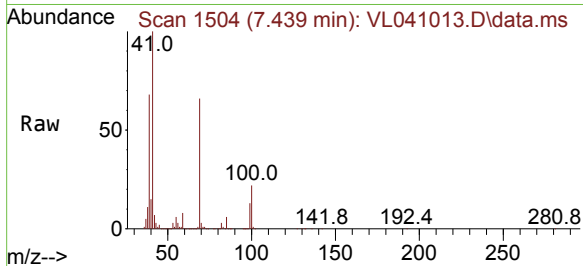




#43
Methyl Methacrylate
Concen: 10.519 ppbv
RT: 7.439 min Scan# 1504
Delta R.T. -0.000 min
Lab File: VL041013.D
Acq: 24 Jan 2024 12:50

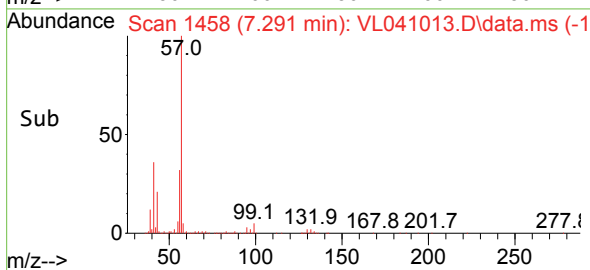
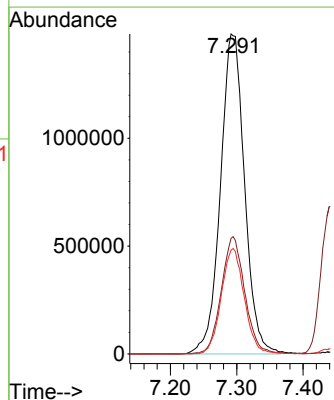
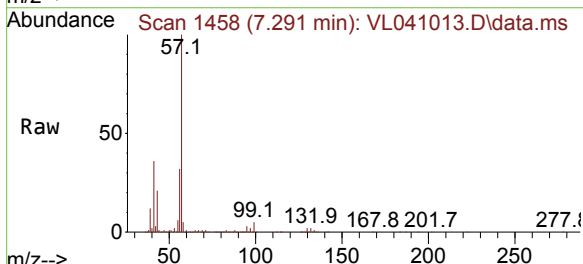
Instrument :
MSVOA_L
ClientSampleId :
VL0124ABS01

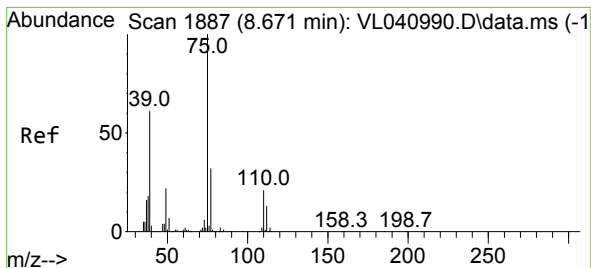
Tgt Ion: 69 Resp: 934705
Ion Ratio Lower Upper
69 100
41 153.0 120.2 180.2
100 31.2 24.6 36.8



#44
2,2,4-Trimethylpentane
Concen: 9.673 ppbv
RT: 7.291 min Scan# 1458
Delta R.T. -0.000 min
Lab File: VL041013.D
Acq: 24 Jan 2024 12:50

Tgt Ion: 57 Resp: 3748173
Ion Ratio Lower Upper
57 100
41 35.8 28.6 43.0
56 31.5 25.2 37.8





#45

t-1,3-Dichloropropene

Concen: 11.369 ppbv

RT: 8.677 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL041013.D

Acq: 24 Jan 2024 12:50

Instrument :

MSVOA_L

ClientSampleId :

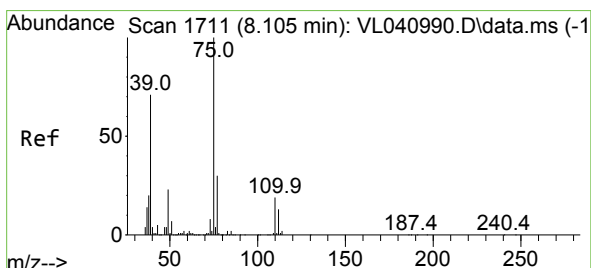
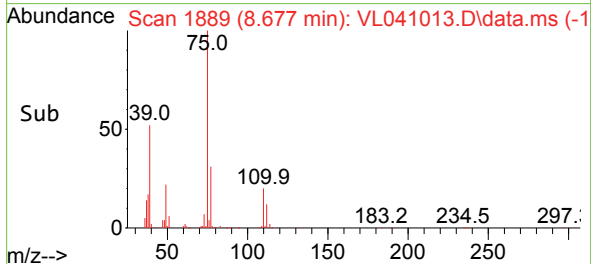
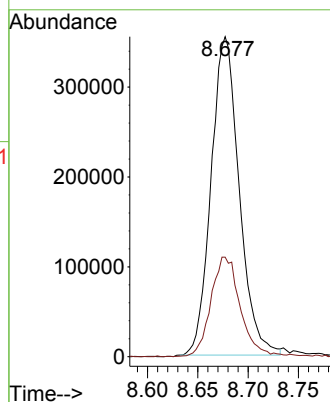
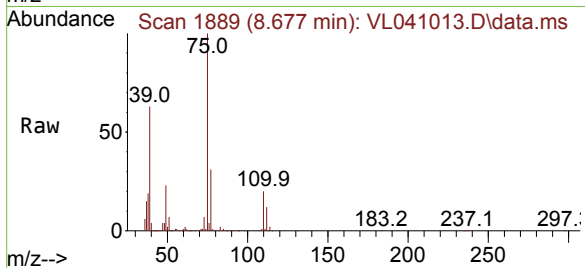
VL0124ABS01

Tgt Ion: 75 Resp: 690280

Ion Ratio Lower Upper

75 100

77 31.1 25.3 37.9



#46

cis-1,3-Dichloropropene

Concen: 10.994 ppbv

RT: 8.108 min Scan# 1712

Delta R.T. 0.003 min

Lab File: VL041013.D

Acq: 24 Jan 2024 12:50

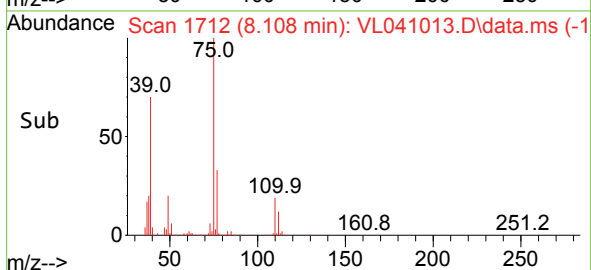
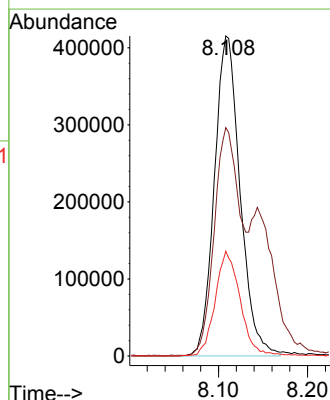
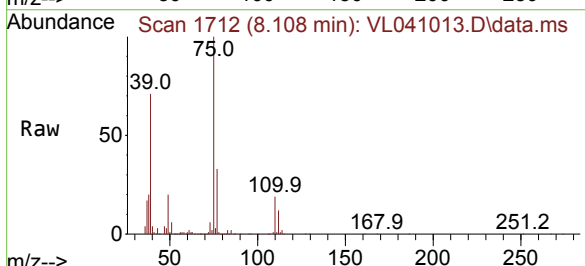
Tgt Ion: 75 Resp: 832456

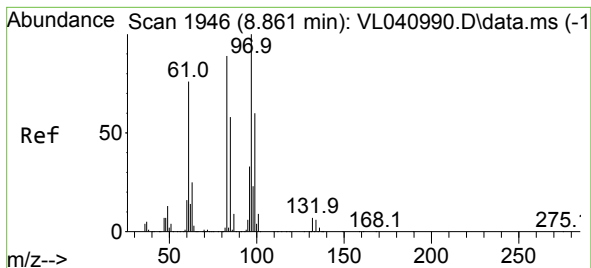
Ion Ratio Lower Upper

75 100

39 71.2 57.3 85.9

77 32.7 24.3 36.5





#47

1,1,2-Trichloroethane

Concen: 9.767 ppbv

RT: 8.864 min Scan# 1946

Delta R.T. 0.003 min

Lab File: VL041013.D

Acq: 24 Jan 2024 12:50

Instrument :

MSVOA_L

ClientSampleId :

VL0124ABS01

Tgt Ion: 97 Resp: 954999

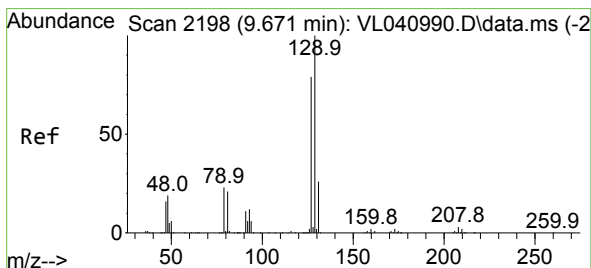
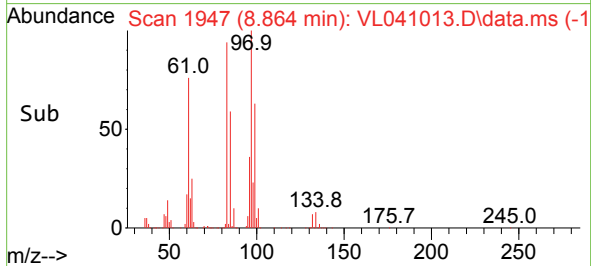
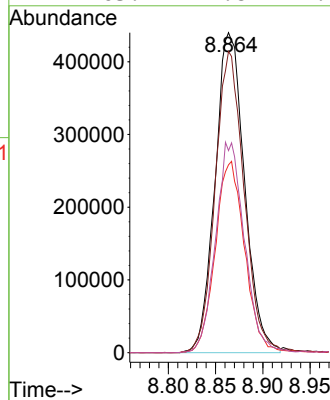
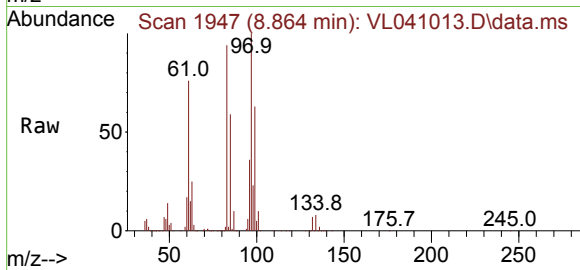
Ion Ratio Lower Upper

97 100

83 94.1 71.5 107.3

85 58.6 46.1 69.1

99 63.1 47.8 71.8



#48

Dibromochloromethane

Concen: 10.374 ppbv

RT: 9.677 min Scan# 2200

Delta R.T. 0.006 min

Lab File: VL041013.D

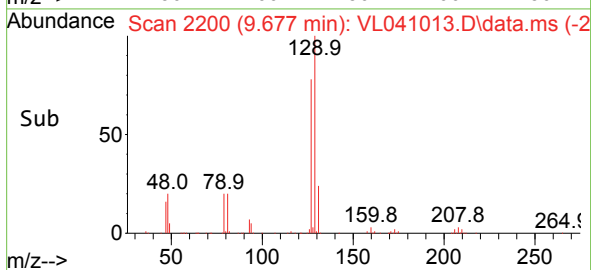
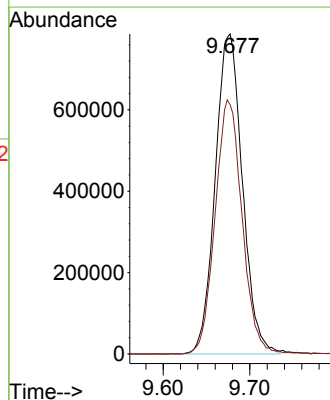
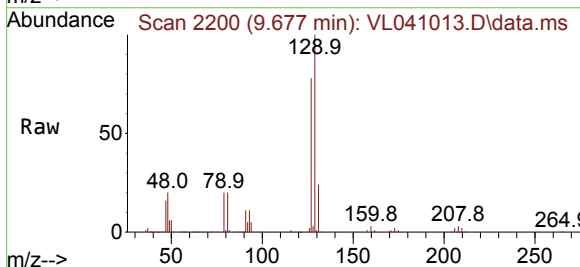
Acq: 24 Jan 2024 12:50

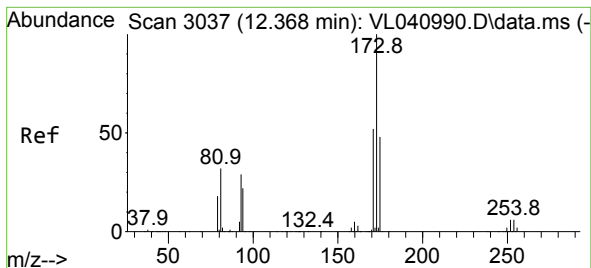
Tgt Ion: 129 Resp: 1714891

Ion Ratio Lower Upper

129 100

127 79.1 39.6 119.0





#49

Bromoform

Concen: 10.782 ppbv

RT: 12.368 min Scan# 3037

Delta R.T. -0.003 min

Lab File: VL041013.D

Acq: 24 Jan 2024 12:50

Instrument :

MSVOA_L

ClientSampleId :

VL0124ABS01

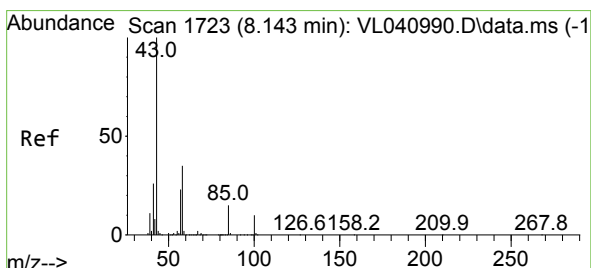
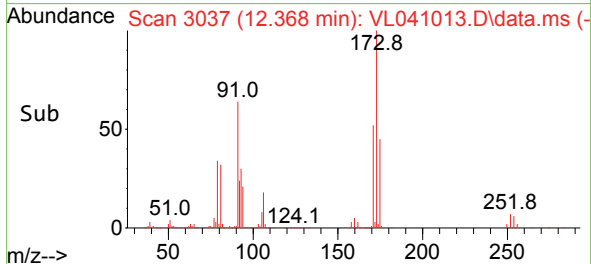
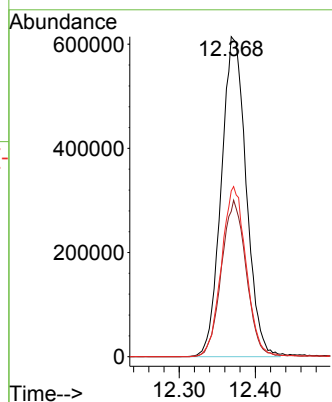
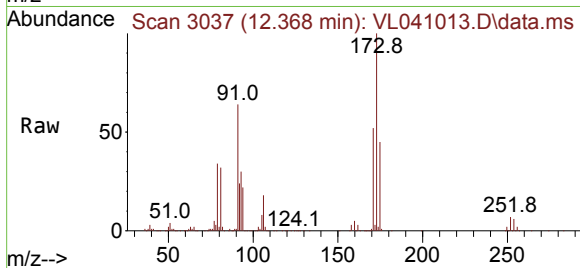
Tgt Ion:173 Resp: 1398141

Ion Ratio Lower Upper

173 100

175 48.9 39.0 58.4

171 53.2 42.0 63.0



#50

4-Methyl-2-Pentanone

Concen: 10.347 ppbv

RT: 8.147 min Scan# 1724

Delta R.T. 0.003 min

Lab File: VL041013.D

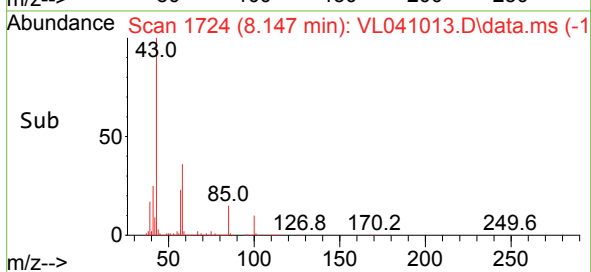
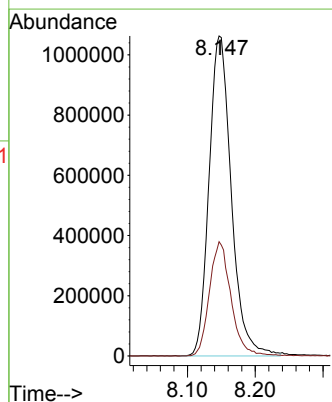
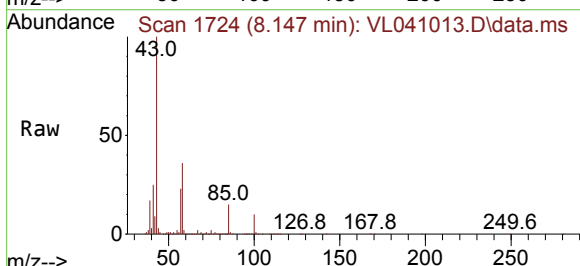
Acq: 24 Jan 2024 12:50

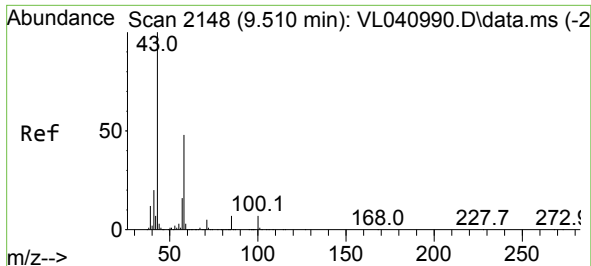
Tgt Ion: 43 Resp: 2420385

Ion Ratio Lower Upper

43 100

58 34.8 27.8 41.8

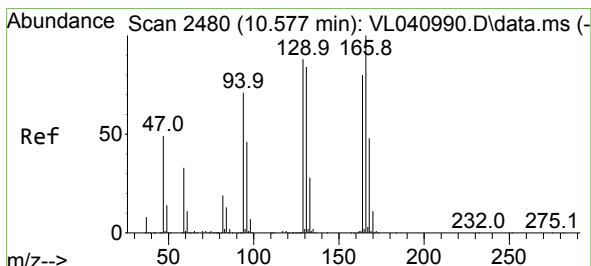
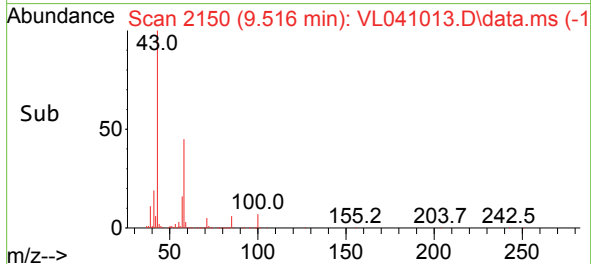
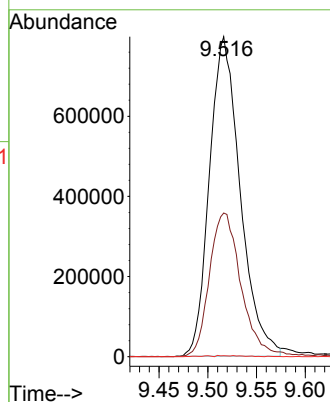
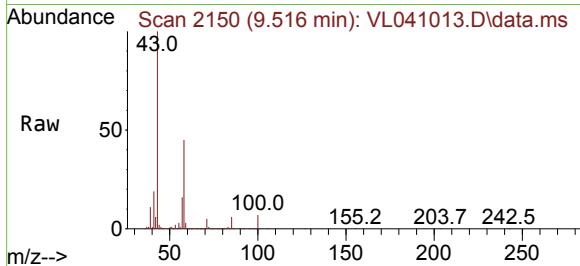




#51
2-Hexanone
Concen: 10.367 ppbv
RT: 9.516 min Scan# 2148
Delta R.T. 0.003 min
Lab File: VL041013.D
Acq: 24 Jan 2024 12:50

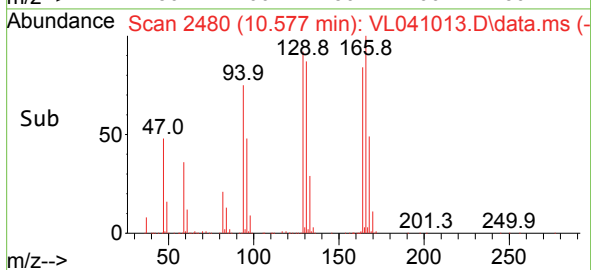
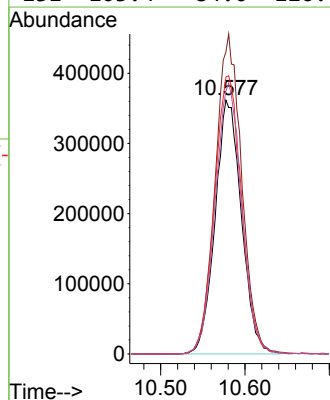
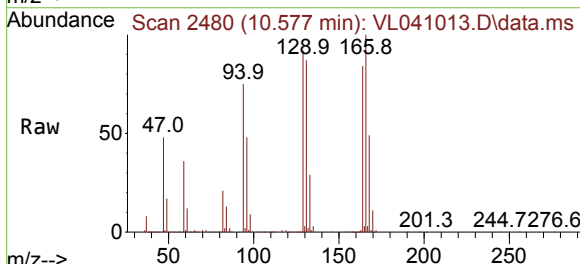
Instrument :
MSVOA_L
ClientSampleId :
VL0124ABS01

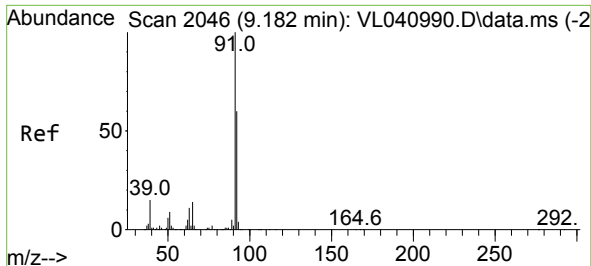
Tgt Ion: 43 Resp: 1748043
Ion Ratio Lower Upper
43 100
58 46.8 36.8 55.2
98 0.4 0.3 0.5



#52
Tetrachloroethene
Concen: 10.240 ppbv
RT: 10.577 min Scan# 2480
Delta R.T. 0.003 min
Lab File: VL041013.D
Acq: 24 Jan 2024 12:50

Tgt Ion:164 Resp: 783108
Ion Ratio Lower Upper
164 100
166 118.9 100.2 150.2
129 109.2 87.9 131.9
131 103.4 84.0 126.0

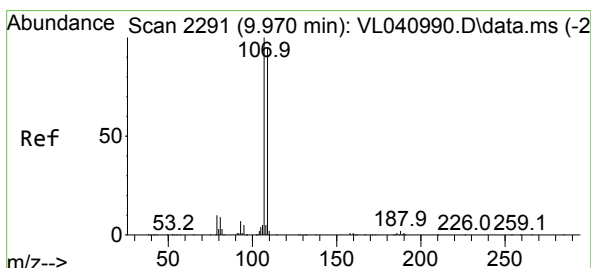
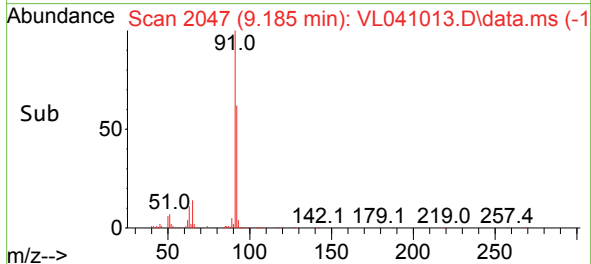
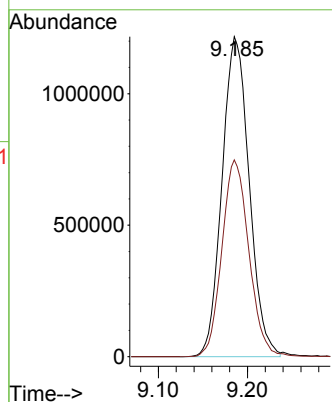
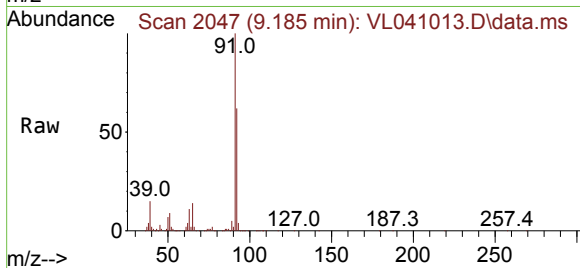




#53
Toluene
Concen: 10.203 ppbv
RT: 9.185 min Scan# 2047
Delta R.T. 0.003 min
Lab File: VL041013.D
Acq: 24 Jan 2024 12:50

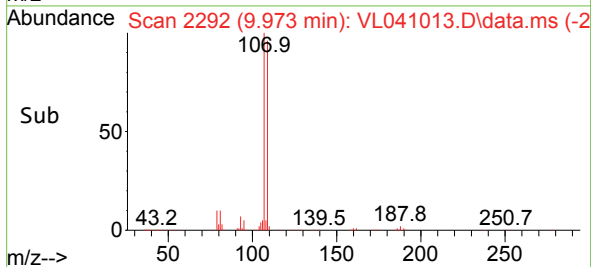
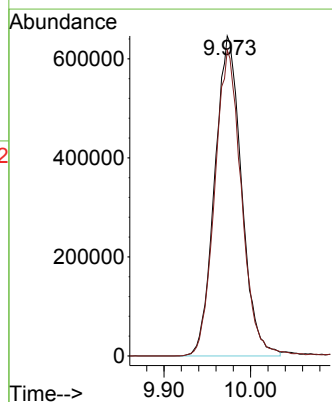
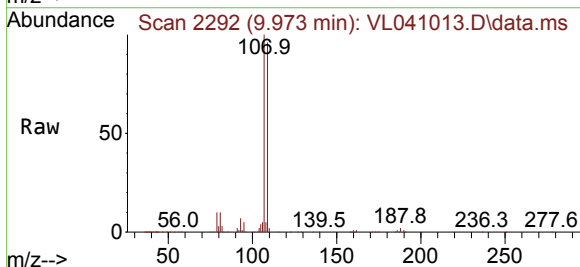
Instrument :
MSVOA_L
ClientSampleId :
VL0124ABS01

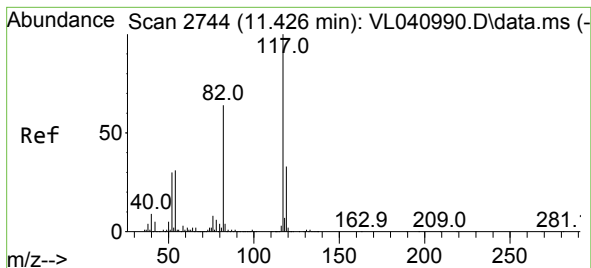
Tgt Ion: 91 Resp: 2573887
Ion Ratio Lower Upper
91 100
92 61.3 48.6 72.8



#54
1,2-Dibromoethane
Concen: 10.487 ppbv
RT: 9.973 min Scan# 2292
Delta R.T. -0.000 min
Lab File: VL041013.D
Acq: 24 Jan 2024 12:50

Tgt Ion: 107 Resp: 1388723
Ion Ratio Lower Upper
107 100
109 95.5 76.1 114.1

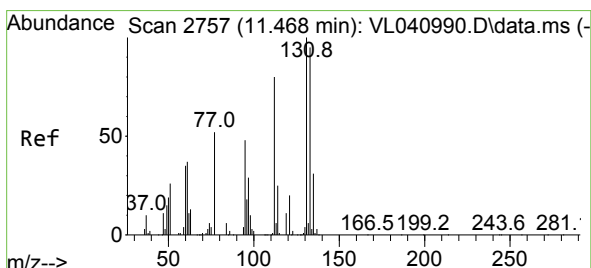
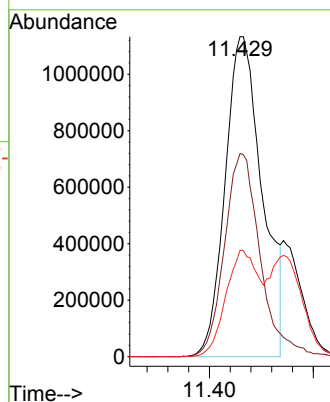
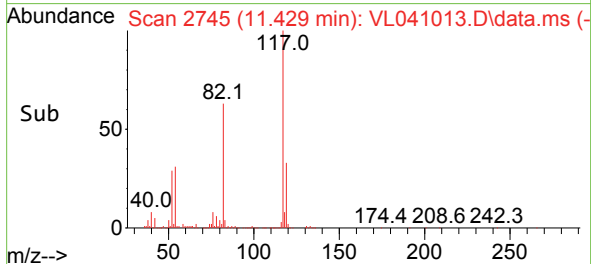
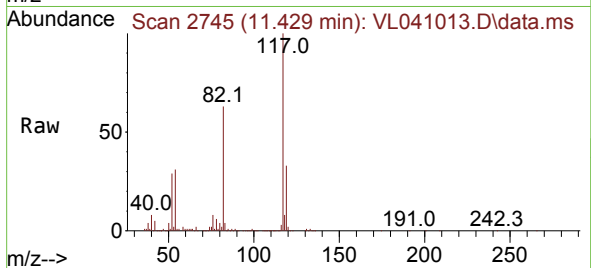




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.429 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL041013.D
Acq: 24 Jan 2024 12:50

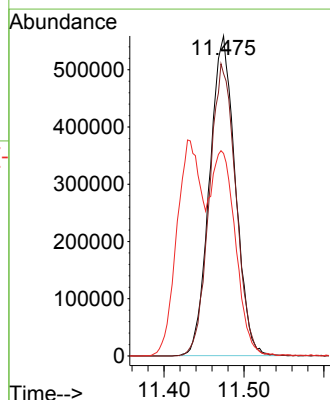
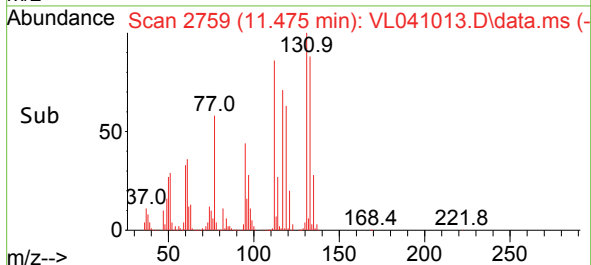
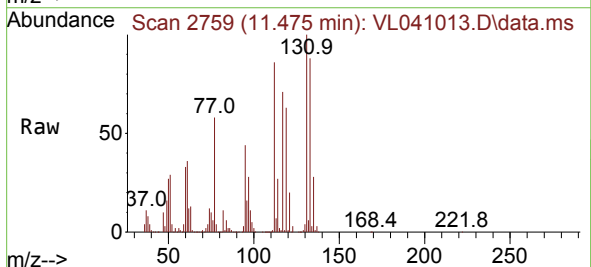
Instrument :
MSVOA_L
ClientSampleId :
VL0124ABS01

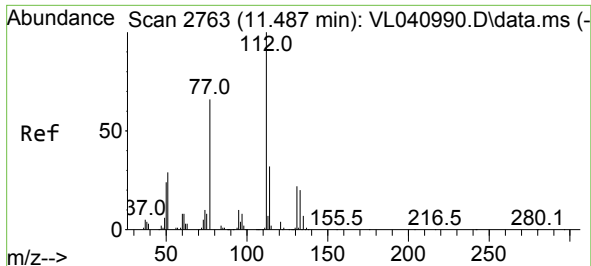
Tgt Ion:117 Resp: 2810162
Ion Ratio Lower Upper
117 100
82 61.4 51.7 77.5
119 31.3 23.8 35.6



#56
1,1,1,2-Tetrachloroethane
Concen: 9.244 ppbv
RT: 11.475 min Scan# 2759
Delta R.T. 0.006 min
Lab File: VL041013.D
Acq: 24 Jan 2024 12:50

Tgt Ion:131 Resp: 1246318
Ion Ratio Lower Upper
131 100
133 94.2 75.9 113.9
119 63.8 49.2 73.8

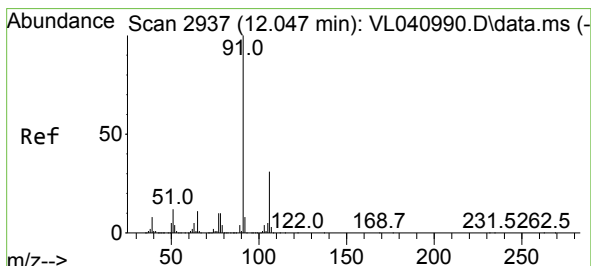
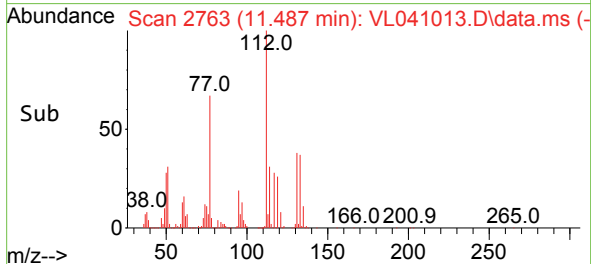
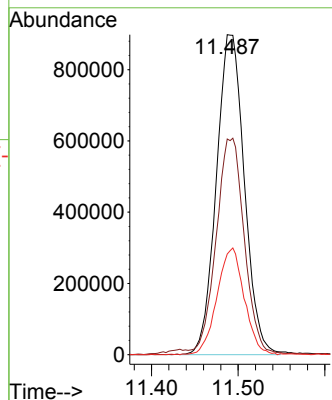
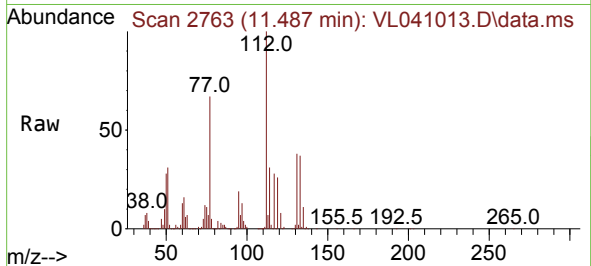




#57
Chlorobenzene
Concen: 8.933 ppbv
RT: 11.487 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL041013.D
Acq: 24 Jan 2024 12:50

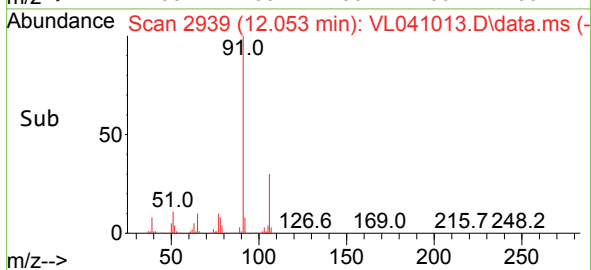
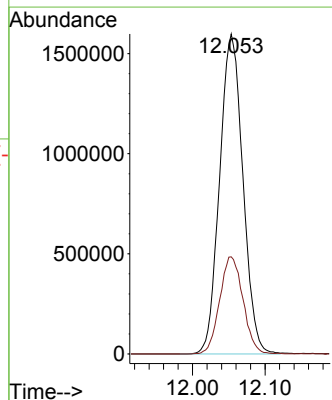
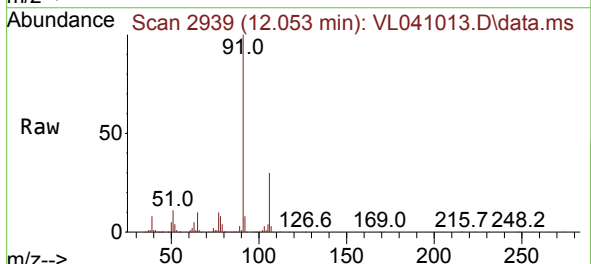
Instrument :
MSVOA_L
ClientSampleId :
VL0124ABS01

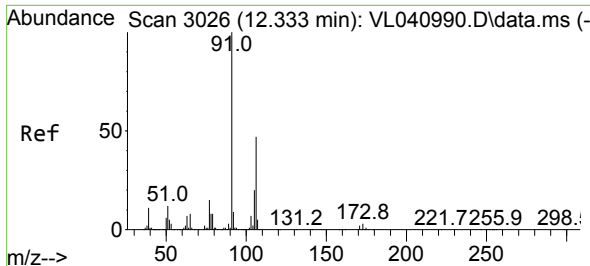
Tgt Ion:112 Resp: 2019256
Ion Ratio Lower Upper
112 100
77 66.7 53.4 80.0
114 31.4 29.1 35.5



#58
Ethyl Benzene
Concen: 9.427 ppbv
RT: 12.053 min Scan# 2939
Delta R.T. 0.003 min
Lab File: VL041013.D
Acq: 24 Jan 2024 12:50

Tgt Ion: 91 Resp: 3557446
Ion Ratio Lower Upper
91 100
106 30.3 24.8 37.2





#59

m/p-Xylene

Concen: 9.814 ppbv

RT: 12.339 min Scan# 3026

Delta R.T. 0.006 min

Lab File: VL041013.D

Acq: 24 Jan 2024 12:50

Instrument :

MSVOA_L

ClientSampleId :

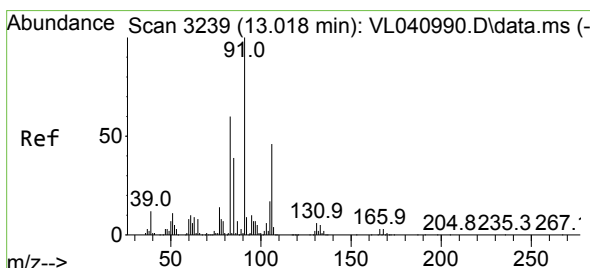
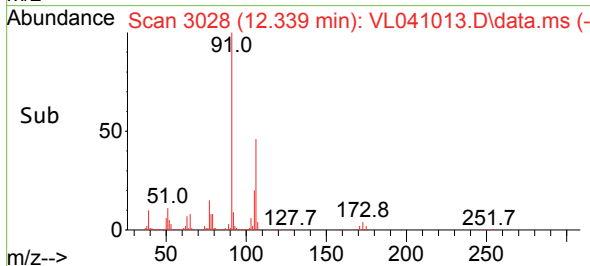
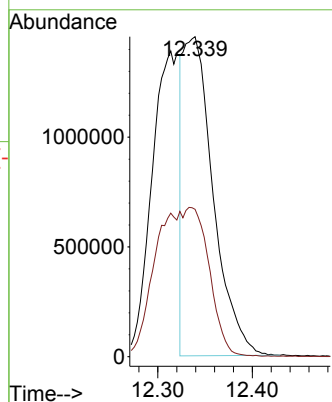
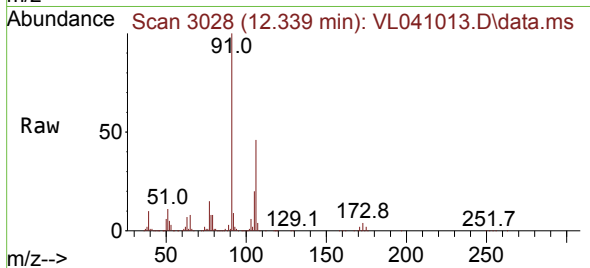
VL0124ABS01

Tgt Ion: 91 Resp: 3229036

Ion Ratio Lower Upper

91 100

106 82.4 34.9 52.3#



#60

o-Xylene

Concen: 9.236 ppbv

RT: 13.024 min Scan# 3241

Delta R.T. -0.000 min

Lab File: VL041013.D

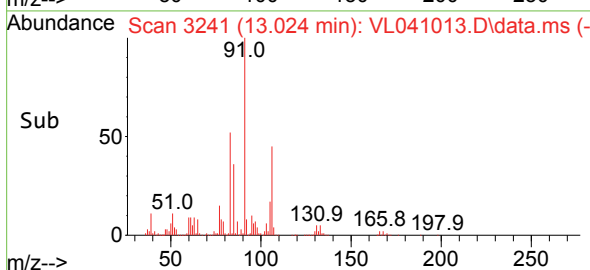
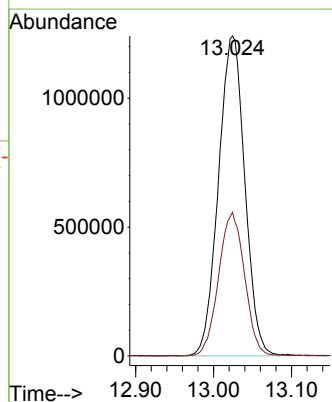
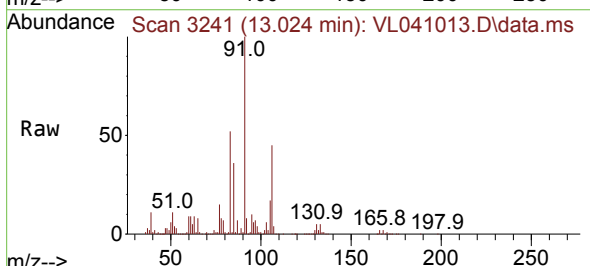
Acq: 24 Jan 2024 12:50

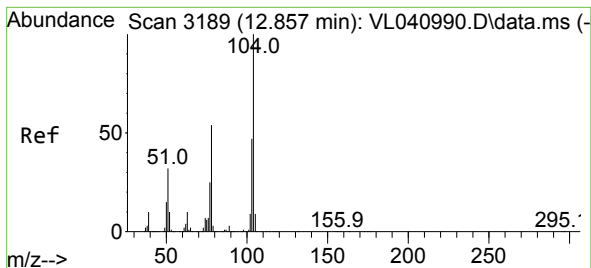
Tgt Ion: 91 Resp: 2915687

Ion Ratio Lower Upper

91 100

106 44.5 22.6 67.7





#61

Styrene

Concen: 10.315 ppbv

RT: 12.860 min Scan# 3189

Delta R.T. -0.000 min

Lab File: VL041013.D

Acq: 24 Jan 2024 12:50

Instrument :

MSVOA_L

ClientSampleId :

VL0124ABS01

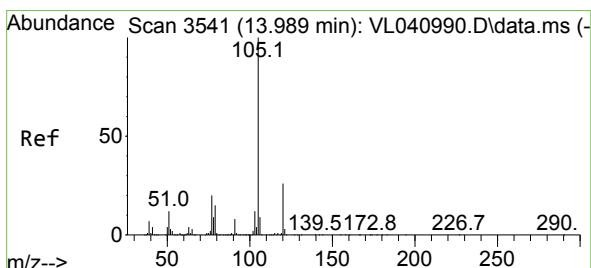
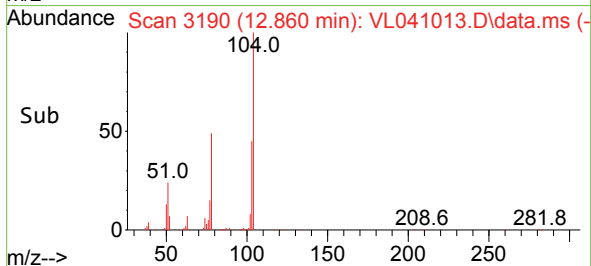
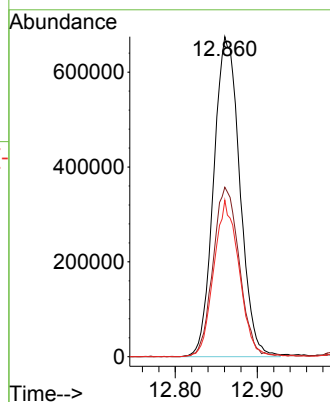
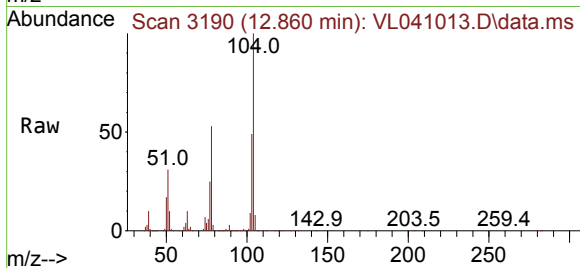
Tgt Ion:104 Resp: 1495209

Ion Ratio Lower Upper

104 100

78 53.4 42.7 64.1

103 47.4 37.6 56.4



#62

Isopropylbenzene

Concen: 9.058 ppbv

RT: 13.992 min Scan# 3542

Delta R.T. -0.000 min

Lab File: VL041013.D

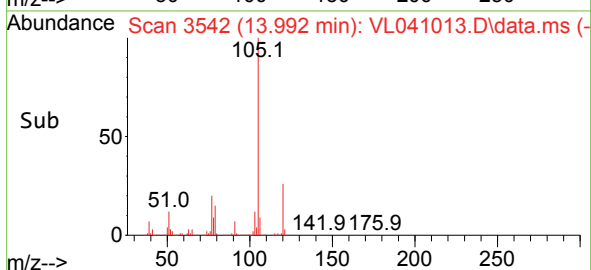
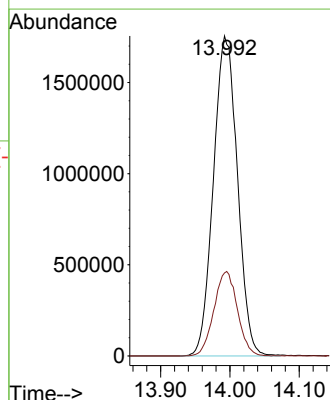
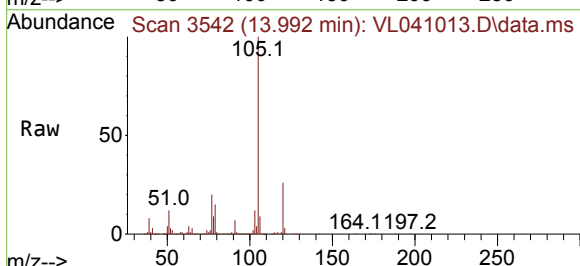
Acq: 24 Jan 2024 12:50

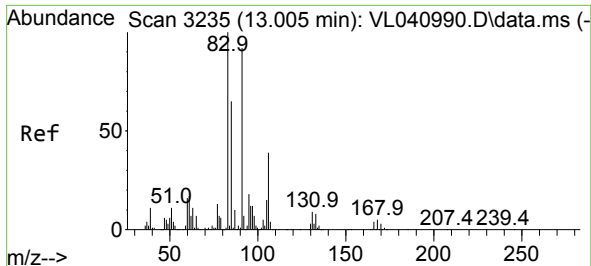
Tgt Ion:105 Resp: 4228673

Ion Ratio Lower Upper

105 100

120 25.8 20.9 31.3

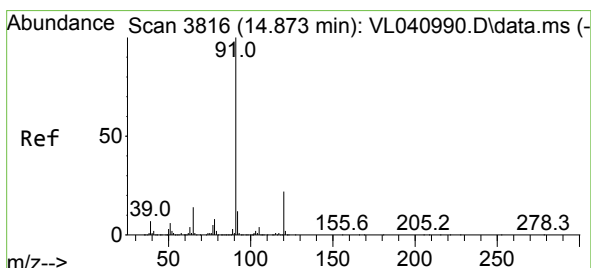
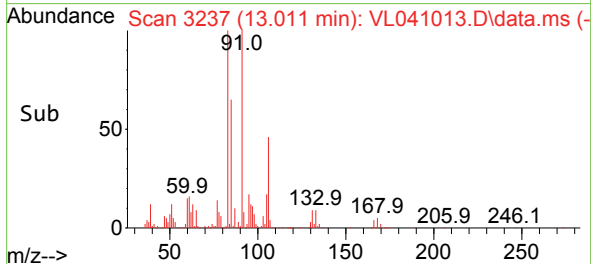
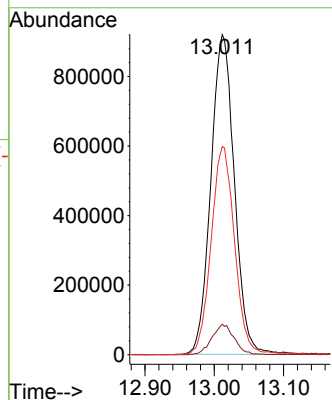
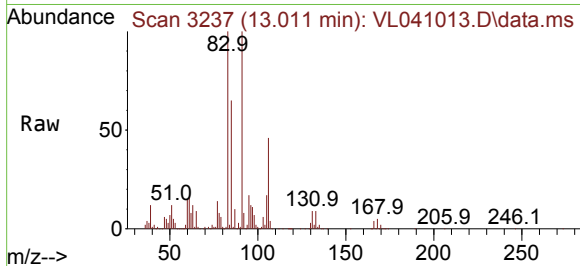




#63
1,1,2,2-Tetrachloroethane
Concen: 8.832 ppbv
RT: 13.011 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL041013.D
Acq: 24 Jan 2024 12:50

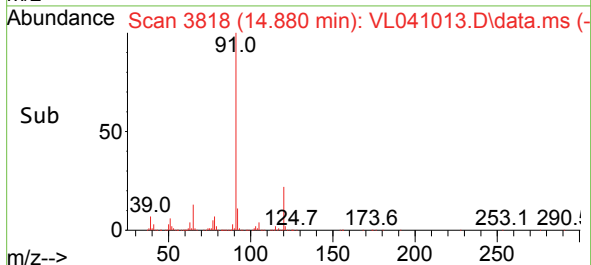
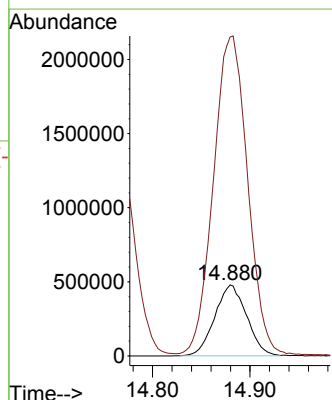
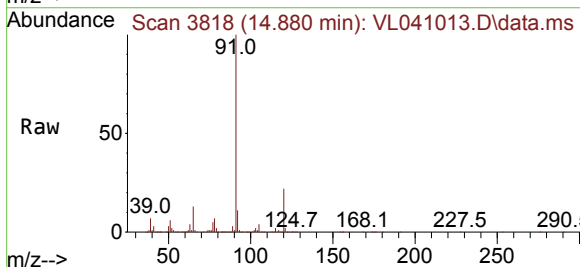
Instrument :
MSVOA_L
ClientSampleId :
VL0124ABS01

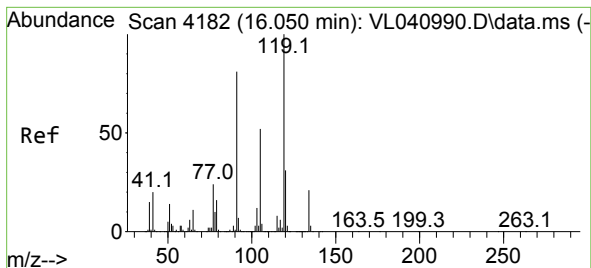
Tgt Ion: 83 Resp: 2166759
Ion Ratio Lower Upper
83 100
131 9.1 4.6 13.8
85 65.8 33.0 99.0



#64
n-propylbenzene
Concen: 9.174 ppbv
RT: 14.880 min Scan# 3818
Delta R.T. -0.000 min
Lab File: VL041013.D
Acq: 24 Jan 2024 12:50

Tgt Ion: 120 Resp: 1081962
Ion Ratio Lower Upper
120 100
91 490.5 390.6 585.8





#65

tert-Butylbenzene

Concen: 9.202 ppbv

RT: 16.056 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041013.D

Acq: 24 Jan 2024 12:50

Instrument :

MSVOA_L

ClientSampleId :

VL0124ABS01

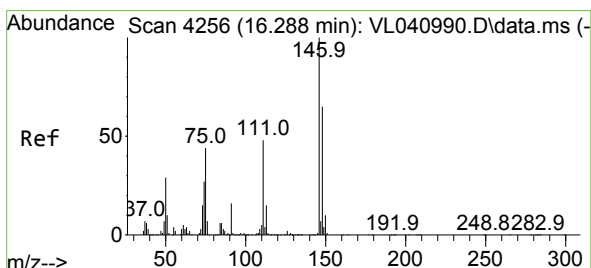
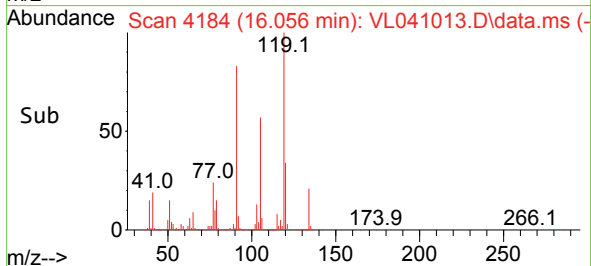
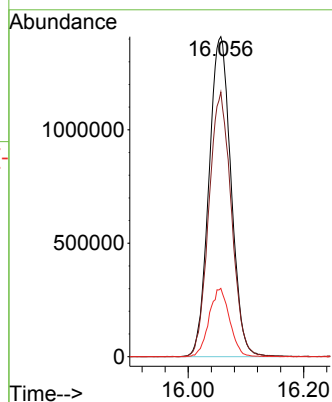
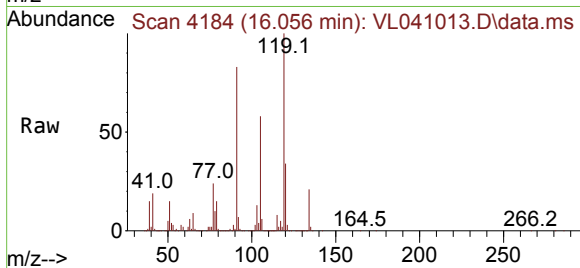
Tgt Ion:119 Resp: 3753158

Ion Ratio Lower Upper

119 100

91 83.8 67.6 101.4

134 19.8 16.1 24.1



#66

Benzyl Chloride

Concen: 9.774 ppbv

RT: 16.291 min Scan# 4257

Delta R.T. -0.000 min

Lab File: VL041013.D

Acq: 24 Jan 2024 12:50

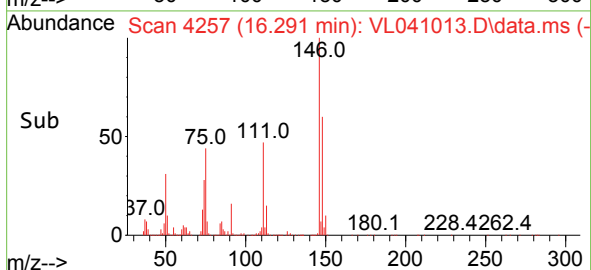
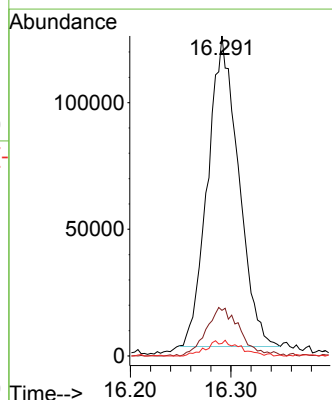
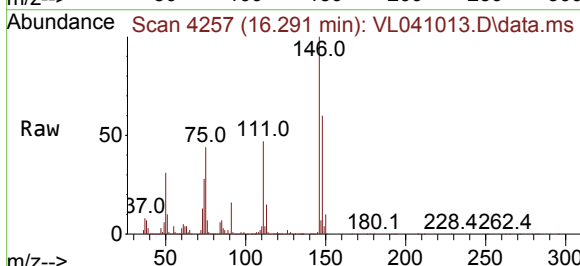
Tgt Ion: 91 Resp: 261257

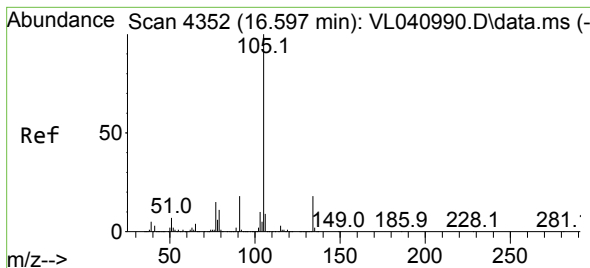
Ion Ratio Lower Upper

91 100

126 17.4 13.6 20.4

128 5.7 4.2 6.2





#67

sec-Butylbenzene

Concen: 8.872 ppbv

RT: 16.600 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041013.D

Acq: 24 Jan 2024 12:50

Instrument :

MSVOA_L

ClientSampleId :

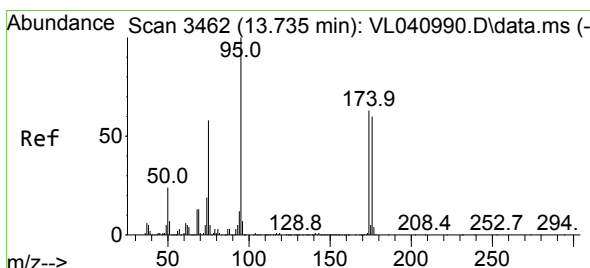
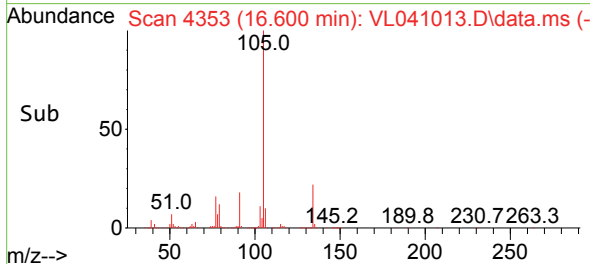
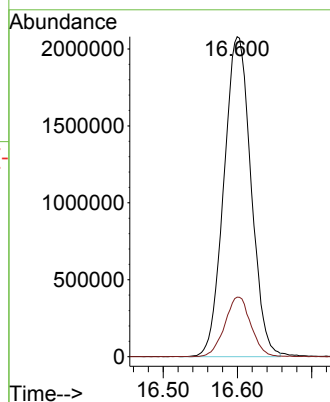
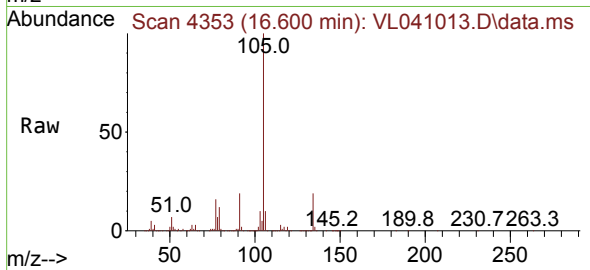
VL0124ABS01

Tgt Ion:105 Resp: 5269204

Ion Ratio Lower Upper

105 100

134 18.1 14.2 21.4



#68

1-Bromo-4-Fluorobenzene

Concen: 9.622 ppbv

RT: 13.741 min Scan# 3464

Delta R.T. 0.003 min

Lab File: VL041013.D

Acq: 24 Jan 2024 12:50

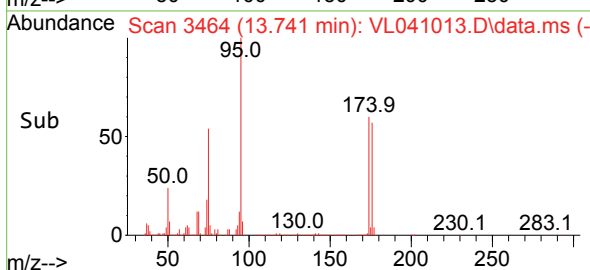
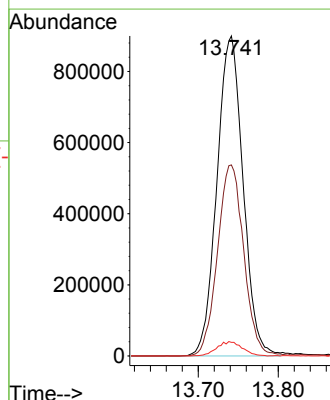
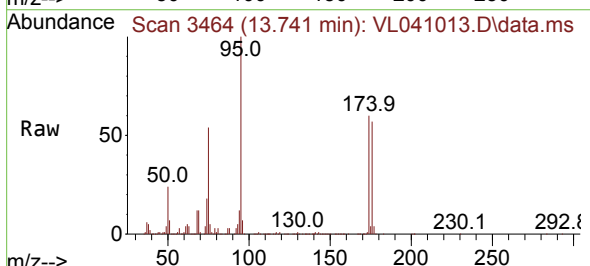
Tgt Ion: 95 Resp: 2042378

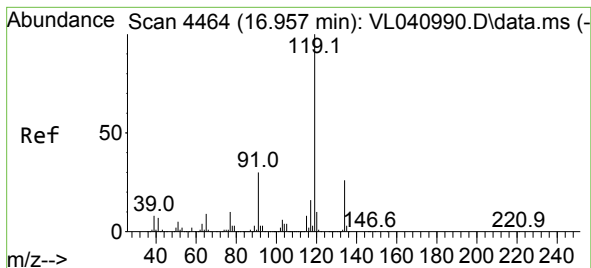
Ion Ratio Lower Upper

95 100

174 60.8 49.1 73.7

175 4.5 3.7 5.5





#69

p-Isopropyltoluene

Concen: 9.252 ppbv

RT: 16.960 min Scan# 4464

Delta R.T. 0.003 min

Lab File: VL041013.D

Acq: 24 Jan 2024 12:50

Instrument :

MSVOA_L

ClientSampleId :

VL0124ABS01

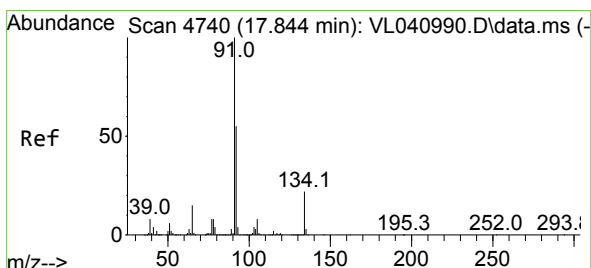
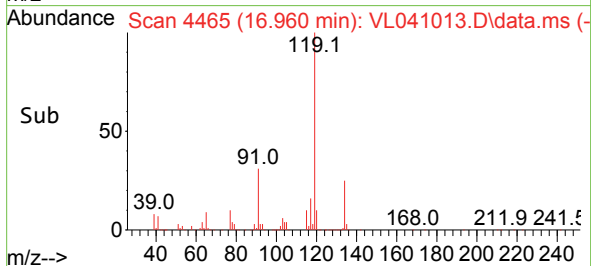
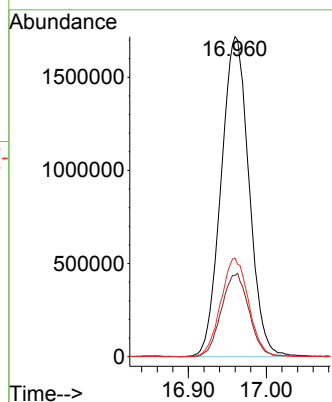
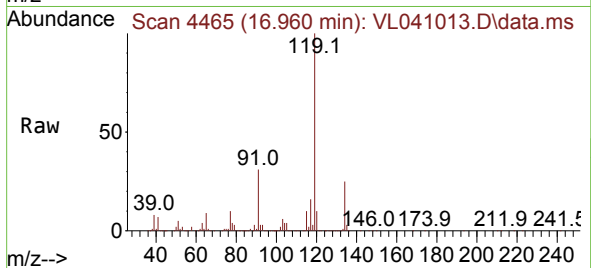
Tgt Ion:119 Resp: 4256322

Ion Ratio Lower Upper

119 100

134 25.9 20.6 30.8

91 30.9 24.5 36.7



#70

n-Butylbenzene

Concen: 9.236 ppbv

RT: 17.850 min Scan# 4742

Delta R.T. 0.003 min

Lab File: VL041013.D

Acq: 24 Jan 2024 12:50

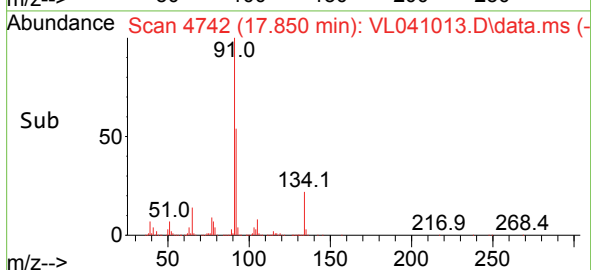
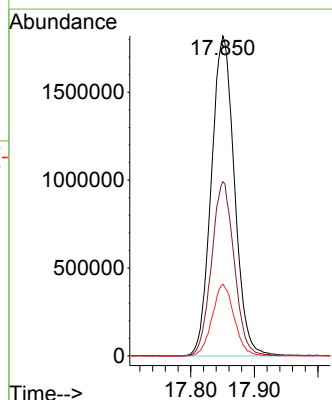
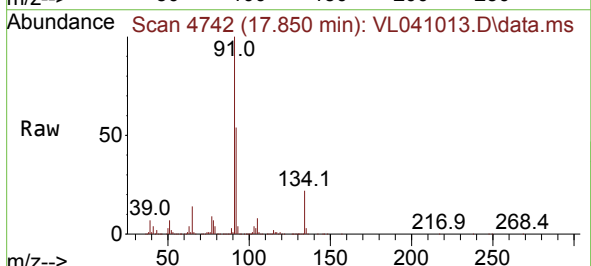
Tgt Ion: 91 Resp: 4591210

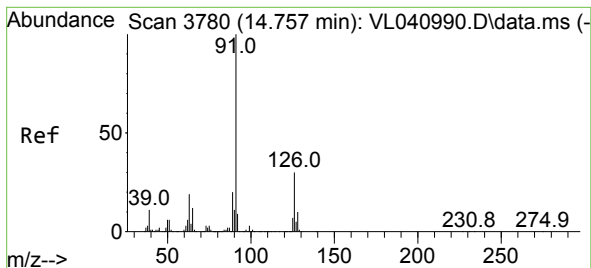
Ion Ratio Lower Upper

91 100

92 53.4 43.4 65.0

134 21.6 17.4 26.0

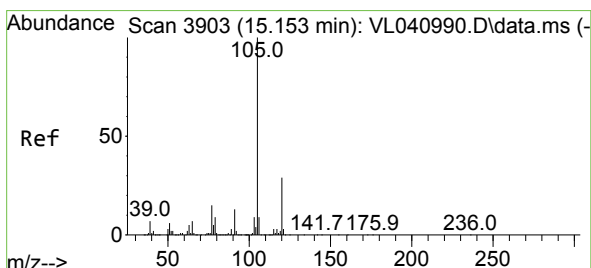
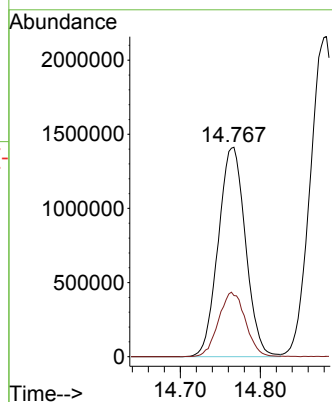
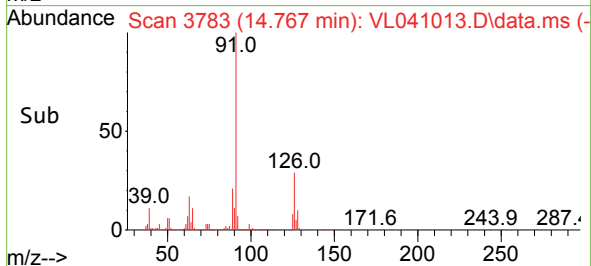
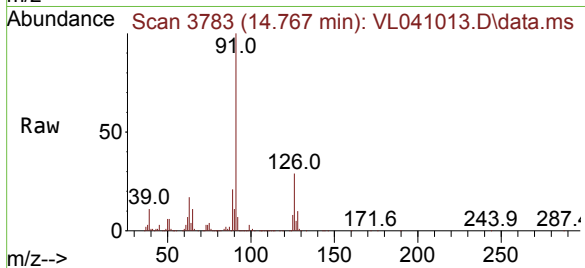




#71
2-Chlorotoluene
Concen: 9.271 ppbv
RT: 14.767 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL041013.D
Acq: 24 Jan 2024 12:50

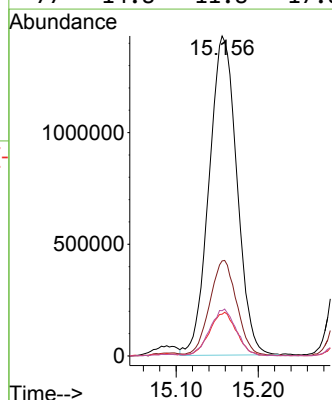
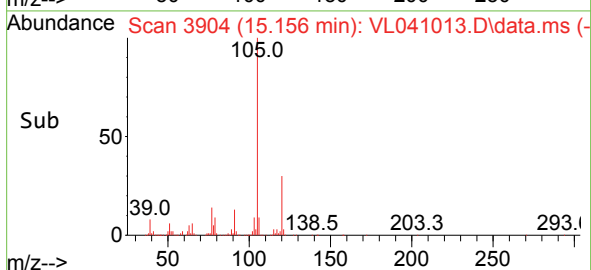
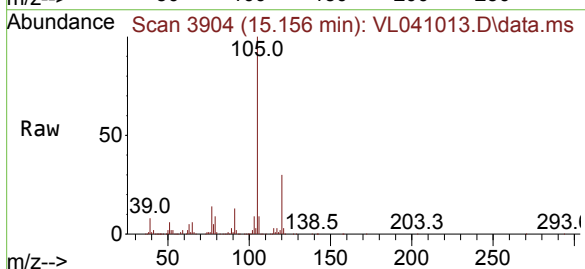
Instrument :
MSVOA_L
ClientSampleId :
VL0124ABS01

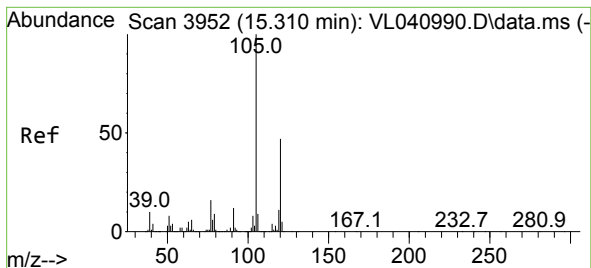
Tgt Ion: 91 Resp: 3339425
Ion Ratio Lower Upper
91 100
126 30.5 12.3 49.1



#72
4-Ethyltoluene
Concen: 9.564 ppbv
RT: 15.156 min Scan# 3904
Delta R.T. 0.003 min
Lab File: VL041013.D
Acq: 24 Jan 2024 12:50

Tgt Ion:105 Resp: 3371940
Ion Ratio Lower Upper
105 100
120 29.4 24.3 36.5
91 14.3 11.0 16.4
77 14.8 11.8 17.8





#73

1,3,5-Trimethylbenzene

Concen: 9.220 ppbv

RT: 15.317 min Scan# 3952

Delta R.T. 0.003 min

Lab File: VL041013.D

Acq: 24 Jan 2024 12:50

Instrument :

MSVOA_L

ClientSampleId :

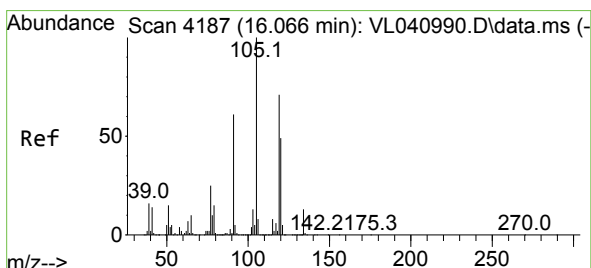
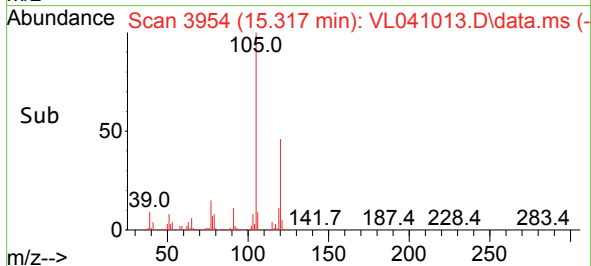
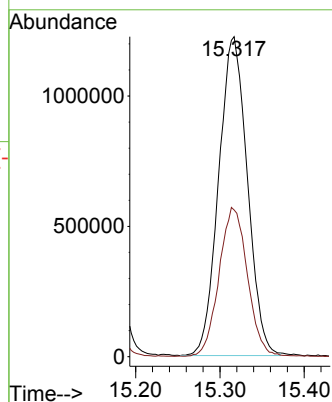
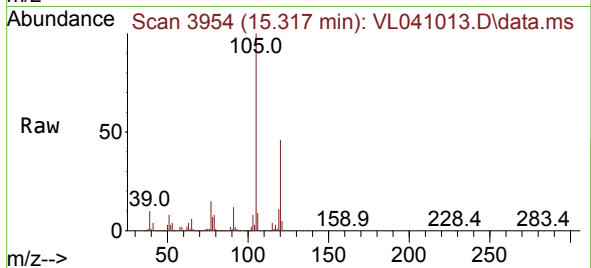
VL0124ABS01

Tgt Ion:105 Resp: 2884985

Ion Ratio Lower Upper

105 100

120 45.8 37.2 55.8



#74

1,2,4-Trimethylbenzene

Concen: 9.004 ppbv

RT: 16.072 min Scan# 4189

Delta R.T. 0.003 min

Lab File: VL041013.D

Acq: 24 Jan 2024 12:50

Tgt Ion:105 Resp: 3193624

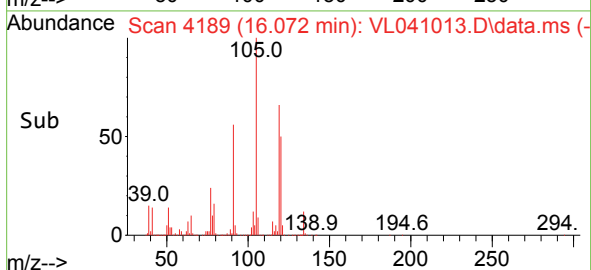
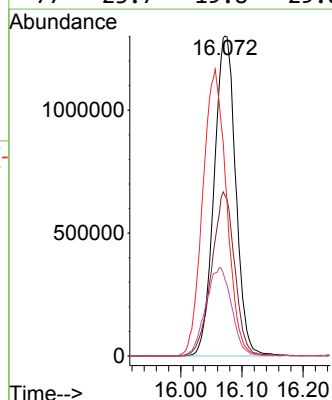
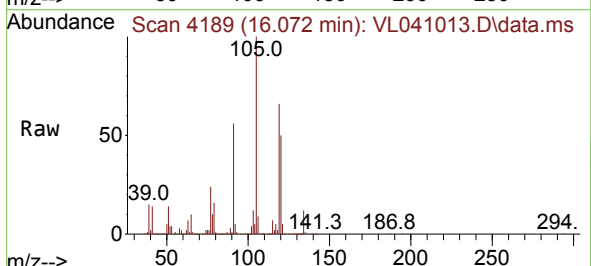
Ion Ratio Lower Upper

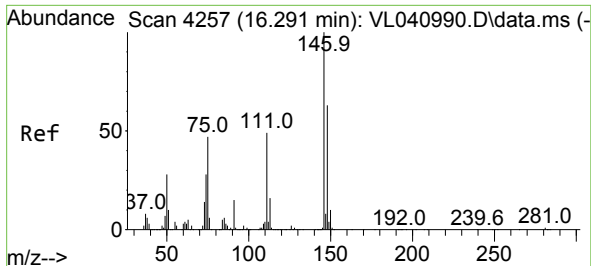
105 100

120 50.0 39.3 58.9

91 55.9 48.7 73.1

77 23.7 19.8 29.8

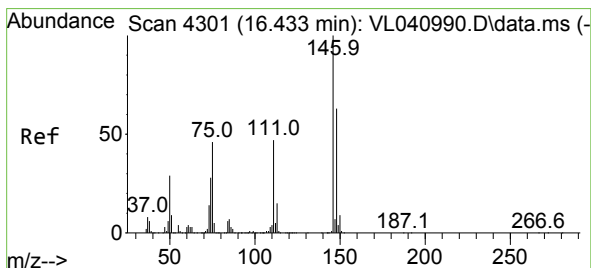
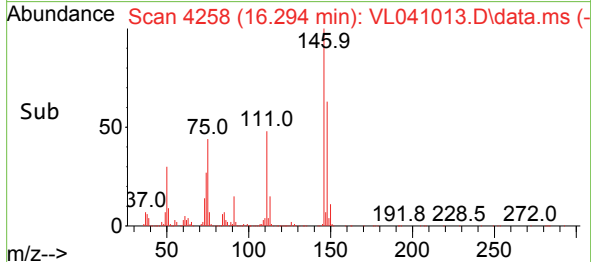
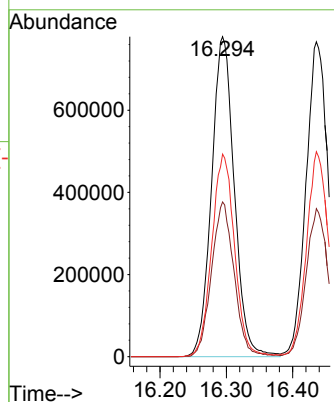
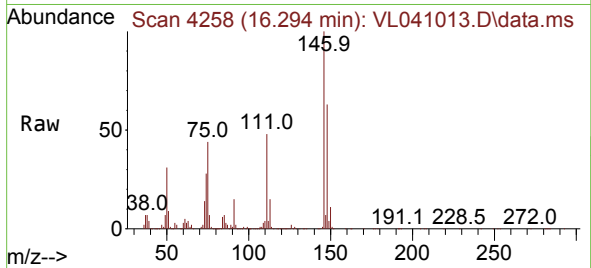




#75
1,3-Dichlorobenzene
Concen: 9.181 ppbv
RT: 16.294 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL041013.D
Acq: 24 Jan 2024 12:50

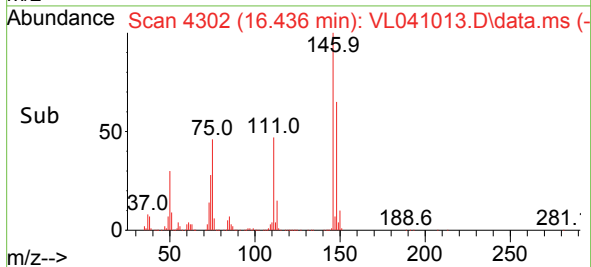
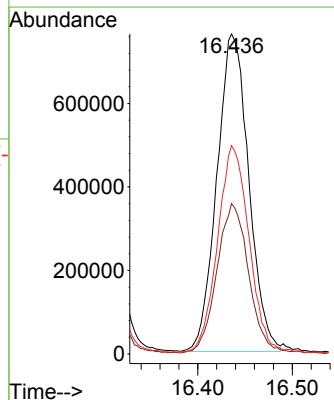
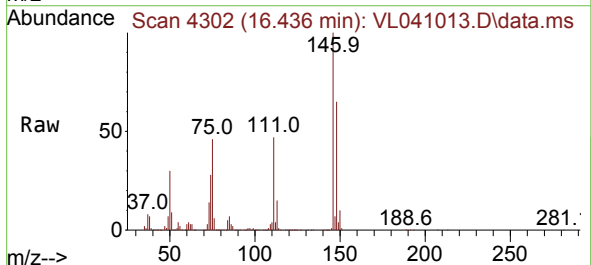
Instrument :
MSVOA_L
ClientSampleId :
VL0124ABS01

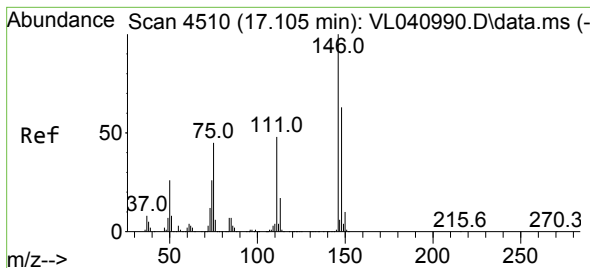
Tgt Ion:146 Resp: 1853295
Ion Ratio Lower Upper
146 100
111 48.1 24.4 73.2
148 63.6 32.5 97.4



#76
1,4-Dichlorobenzene
Concen: 8.911 ppbv
RT: 16.436 min Scan# 4302
Delta R.T. 0.003 min
Lab File: VL041013.D
Acq: 24 Jan 2024 12:50

Tgt Ion:146 Resp: 1775076
Ion Ratio Lower Upper
146 100
111 47.9 24.0 72.0
148 66.7 32.9 98.7





#77

1,2-Dichlorobenzene

Concen: 8.842 ppbv

RT: 17.105 min Scan# 4510

Delta R.T. -0.000 min

Lab File: VL041013.D

Acq: 24 Jan 2024 12:50

Instrument :

MSVOA_L

ClientSampleId :

VL0124ABS01

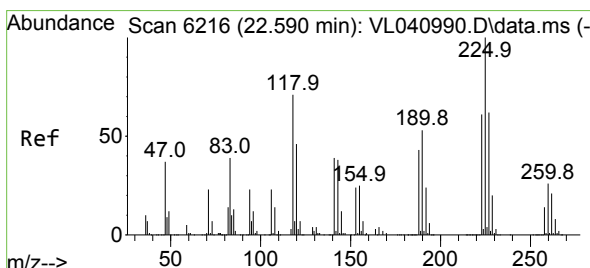
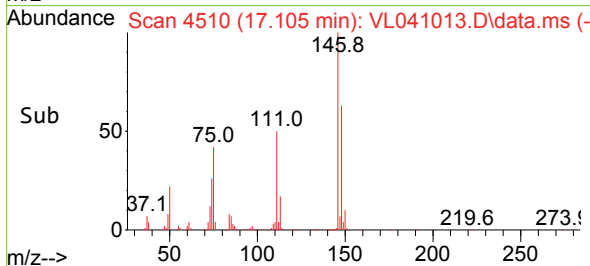
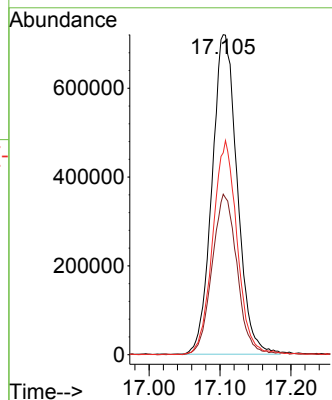
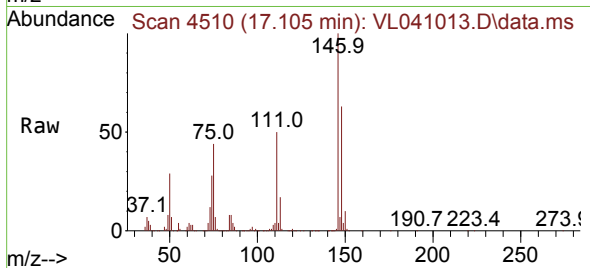
Tgt Ion:146 Resp: 1774013

Ion Ratio Lower Upper

146 100

111 50.2 24.8 74.3

148 65.0 31.8 95.3



#78

Hexachloro-1,3-Butadiene

Concen: 3.677 ppbv

RT: 22.587 min Scan# 6215

Delta R.T. -0.003 min

Lab File: VL041013.D

Acq: 24 Jan 2024 12:50

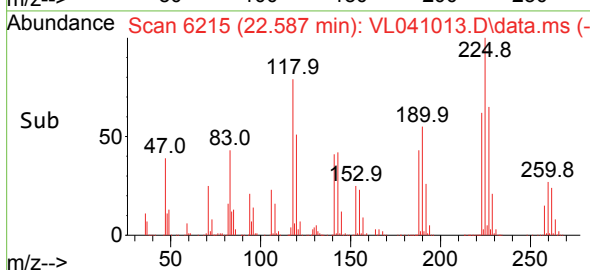
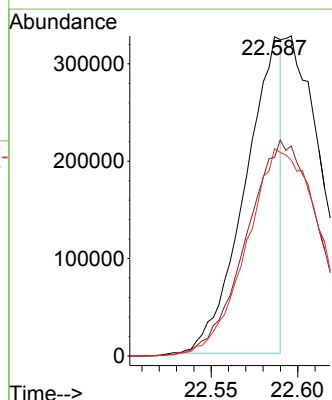
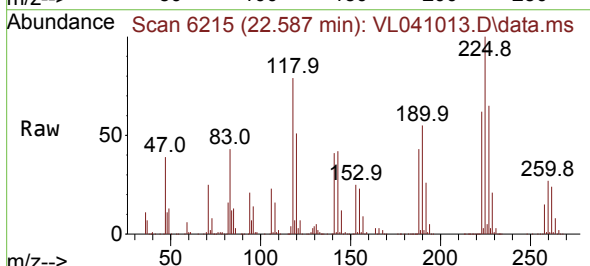
Tgt Ion:225 Resp: 475713

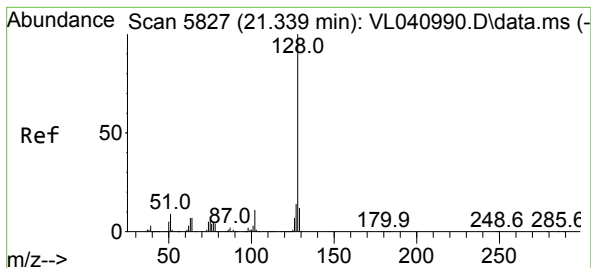
Ion Ratio Lower Upper

225 100

223 139.1 51.1 76.7#

227 135.6 51.0 76.4#





#79

Naphthalene

Concen: 11.848 ppbv

RT: 21.342 min Scan# 51

Delta R.T. 0.003 min

Lab File: VL041013.D

Acq: 24 Jan 2024 12:50

Instrument :

MSVOA_L

ClientSampleId :

VL0124ABS01

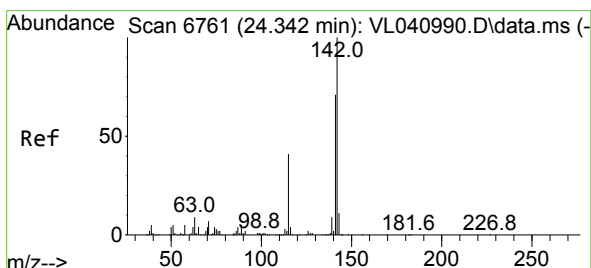
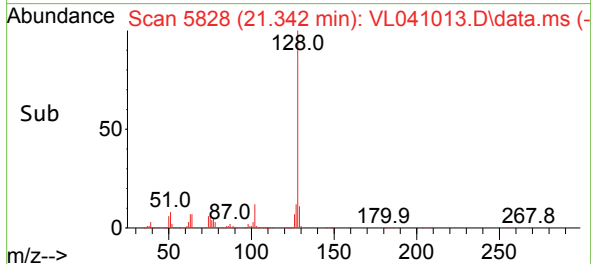
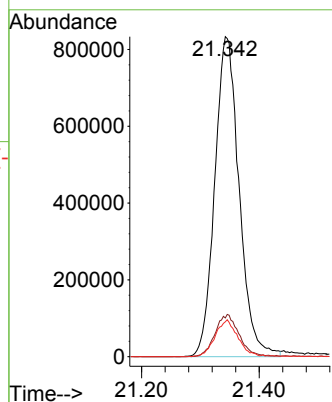
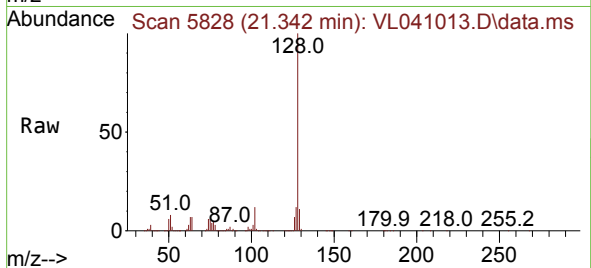
Tgt Ion:128 Resp: 2397257

Ion Ratio Lower Upper

128 100

127 12.1 10.9 16.3

129 10.9 9.3 13.9



#80

Naphthalene,2-methyl-

Concen: 14.506 ppbv

RT: 24.339 min Scan# 6760

Delta R.T. -0.003 min

Lab File: VL041013.D

Acq: 24 Jan 2024 12:50

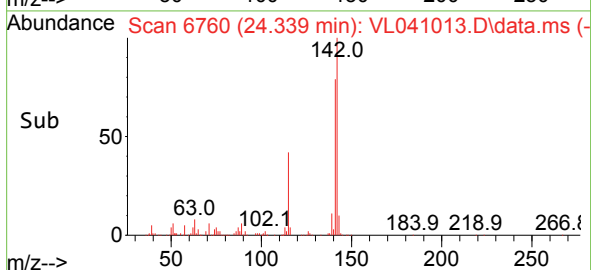
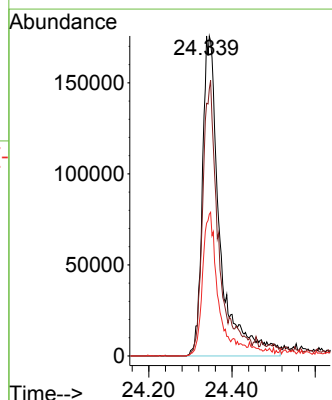
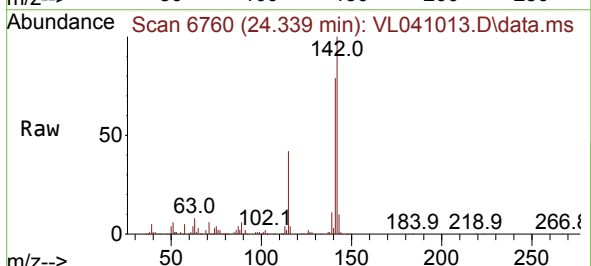
Tgt Ion:142 Resp: 515513

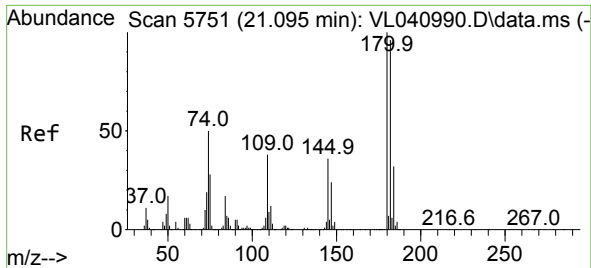
Ion Ratio Lower Upper

142 100

141 77.9 62.7 94.1

115 43.1 34.0 51.0





#81
 1,2,4-Trichlorobenzene
 Concen: 9.757 ppbv
 RT: 21.101 min Scan# 51
 Delta R.T. 0.003 min
 Lab File: VL041013.D
 Acq: 24 Jan 2024 12:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0124ABS01

Tgt Ion:180 Resp: 1151881

Ion	Ratio	Lower	Upper
180	100		
182	96.8	78.6	118.0
184	30.7	24.4	36.6

