

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012524\
 Data File : VL041029.D
 Acq On : 25 Jan 2024 14:39
 Operator : SY/MD
 Sample : P1187-15 MDL 0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jan 26 00:28:04 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 : Fri Jan 26 00:23:09 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.179	49	1073067	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.639	114	2553526	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.455	117	2203881	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	1645296	9.884	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.719	85	25532	0.108	ppbv	96
3) Chlorodifluoromethane	2.661	51	19999	0.111	ppbv	95
4) Chloromethane	2.799	50	7101	0.105	ppbv	99
5) Vinyl Chloride	2.909	62	7719	0.116	ppbv #	85
6) Bromomethane	3.108	94	1406	0.049	ppbv #	3
7) Chloroethane	3.182	64	2855	0.120	ppbv	100
8) Dichlorotetrafluoroethane	2.845	85	19481	0.110	ppbv	96
10) Heptane	7.561	43	6407	0.044	ppbv #	28
11) Trichlorofluoromethane	3.549	101	19195	0.101	ppbv	84
12) 1,1,2-Trichlorotrifluo...	4.050	101	12720	0.092	ppbv	89
14) Bromoethene	3.356	108	2868	0.054	ppbv #	6
15) Acetone	3.488	43	25932	0.189	ppbv	91
16) 1,3-Butadiene	2.970	39	4925	0.075	ppbv #	72
18) 1,1-Dichloroethene	3.870	96	5861	0.099	ppbv #	76
20) Methylene Chloride	3.928	84	10469	0.198	ppbv #	75
21) Allyl Chloride	3.983	41	6439	0.077	ppbv #	52
22) trans-1,2-Dichloroethene	4.442	96	5368	0.088	ppbv #	56
24) 1,1-Dichloroethane	4.552	63	7853	0.063	ppbv #	88
26) Hexane	5.201	57	7348	0.069	ppbv #	36
27) Carbon Disulfide	4.115	76	9974	0.072	ppbv #	28
30) Cyclohexane	6.590	84	1856	0.021	ppbv #	1
31) cis-1,2-Dichloroethene	5.066	61	9783	0.098	ppbv	97
32) 1,1,1-Trichloroethane	5.989	97	8940	0.050	ppbv #	17
35) Carbon Tetrachloride	6.484	117	8132	0.048	ppbv	98
36) Benzene	6.356	78	15963	0.076	ppbv #	91
37) 1,2-Dichloroethane	5.796	62	3357	0.026	ppbv #	35
38) Trichloroethene	7.278	130	5203	0.062	ppbv	88
39) 1,2-Dichloropropane	6.639	63	662659	7.976	ppbv #	25
41) Tetrahydrofuran	5.581	42	3772	0.046	ppbv #	65
42) Bromodichloromethane	7.224	83	4598	0.025	ppbv	87
44) 2,2,4-Trimethylpentane	7.311	57	16304	0.046	ppbv #	34
46) cis-1,3-Dichloropropene	8.124	75	1457	0.021	ppbv #	74
47) 1,1,2-Trichloroethane	8.883	97	2591	0.029	ppbv #	56
52) Tetrachloroethene	10.600	164	2747	0.039	ppbv #	27
56) 1,1,1,2-Tetrachloroethane	11.494	131	3207	0.030	ppbv #	1
57) Chlorobenzene	11.510	112	6762	0.038	ppbv #	69
58) Ethyl Benzene	12.089	91	8323	0.028	ppbv	91
59) m/p-Xylene	12.362	91	11581	0.045	ppbv #	50
61) Styrene	12.892	104	3091	0.027	ppbv #	1
62) Isopropylbenzene	14.014	105	19901	0.054	ppbv #	79
63) 1,1,2,2-Tetrachloroethane	13.037	83	8555	0.044	ppbv #	24
64) n-propylbenzene	14.905	120	2238	0.024	ppbv #	1
67) sec-Butylbenzene	16.625	105	24050	0.052	ppbv	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012524\
Data File : VL041029.D
Acq On : 25 Jan 2024 14:39
Operator : SY/MD
Sample : P1187-15 MDL 0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Jan 26 00:28:04 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 : Fri Jan 26 00:23:09 2024
Response via : Initial Calibration

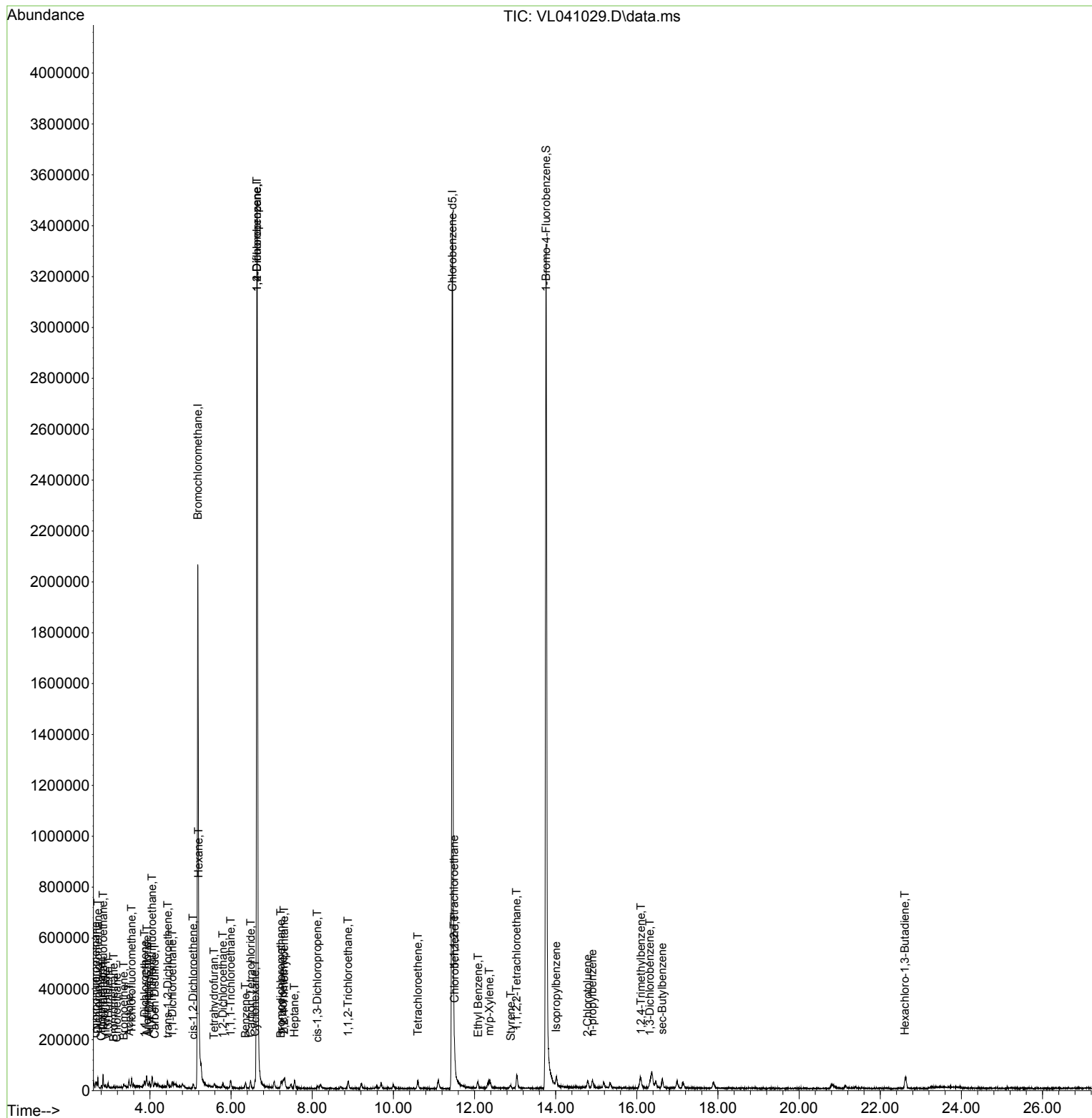
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 2-Chlorotoluene	14.789	91	11105	0.039	ppbv #	49
74) 1,2,4-Trimethylbenzene	16.101	105	7245	0.026	ppbv #	67
75) 1,3-Dichlorobenzene	16.323	146	3555	0.022	ppbv #	1
78) Hexachloro-1,3-Butadiene	22.609	225	3511	0.035	ppbv #	18

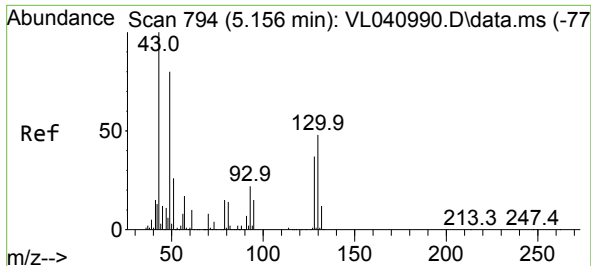
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012524\
Data File : VL041029.D
Acq On : 25 Jan 2024 14:39
Operator : SY/MD
Sample : P1187-15 MDL 0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

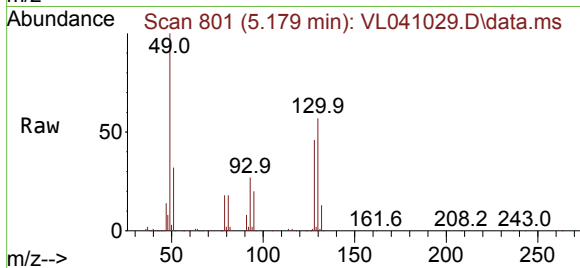
Quant Time: Jan 26 00:28:04 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Fri Jan 26 00:23:09 2024
Response via : Initial Calibration



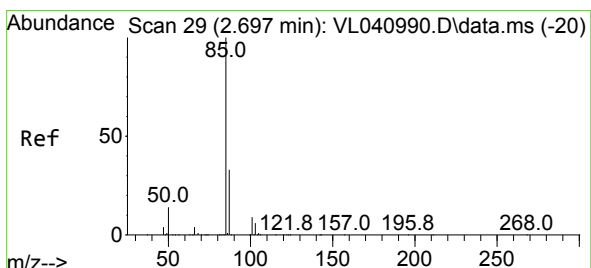
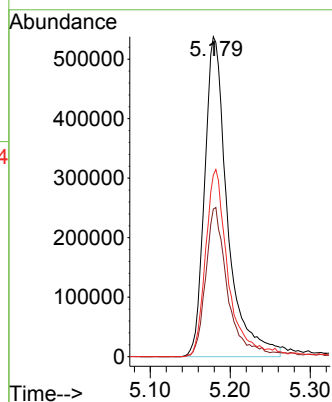
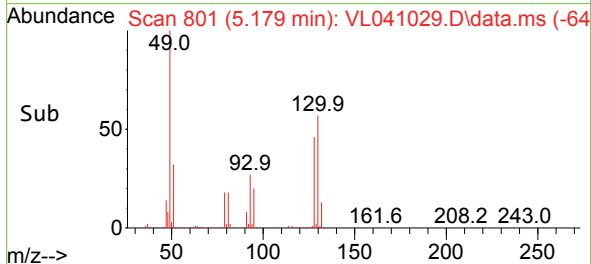


#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.179 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: VL041029.D
 Acq: 25 Jan 2024 14:39

Instrument :
 MSVOA_L
 ClientSampleId :

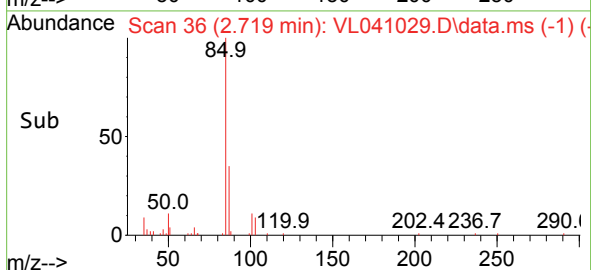
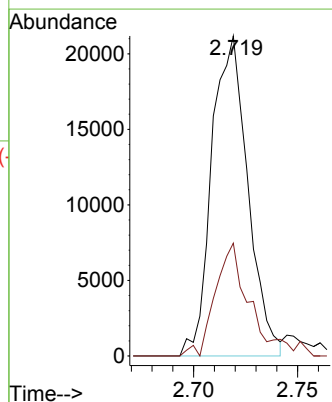
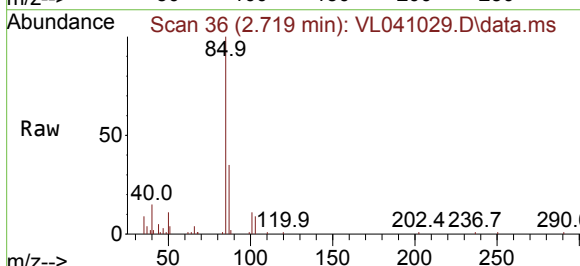


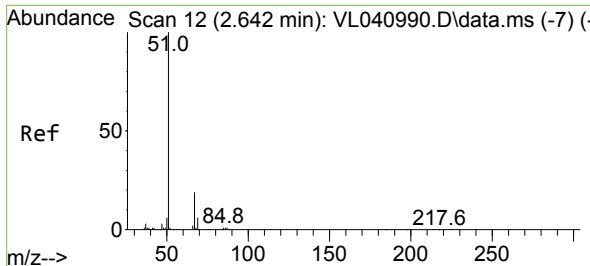
Tgt Ion: 49 Resp: 1073067
 Ion Ratio Lower Upper
 49 100
 128 46.7 23.9 71.7
 130 59.7 31.1 93.5



#2
 Dichlorodifluoromethane
 Concen: 0.108 ppbv
 RT: 2.719 min Scan# 36
 Delta R.T. 0.003 min
 Lab File: VL041029.D
 Acq: 25 Jan 2024 14:39

Tgt Ion: 85 Resp: 25532
 Ion Ratio Lower Upper
 85 100
 87 35.3 26.3 39.5

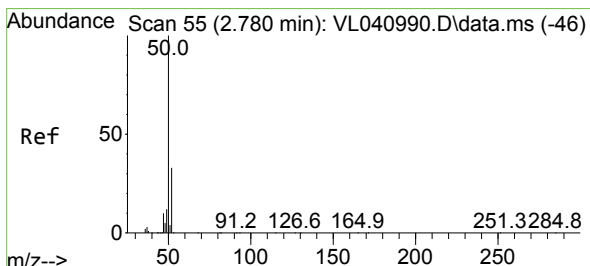
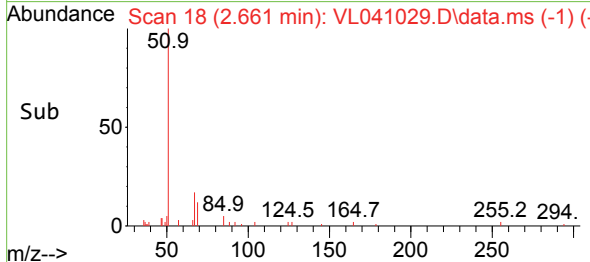
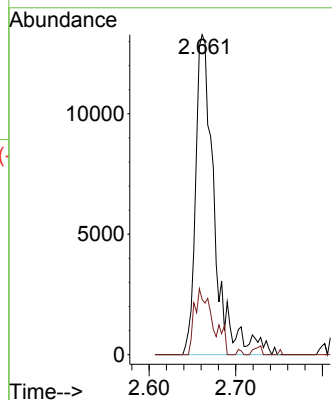
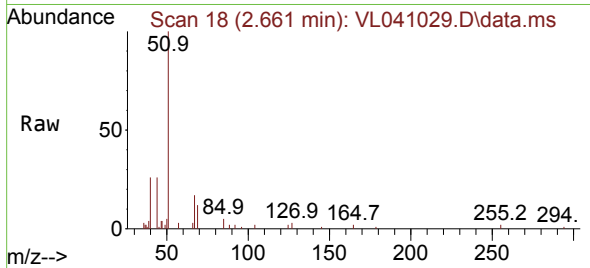




#3
Chlorodifluoromethane
Concen: 0.111 ppbv
RT: 2.661 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL041029.D
Acq: 25 Jan 2024 14:39

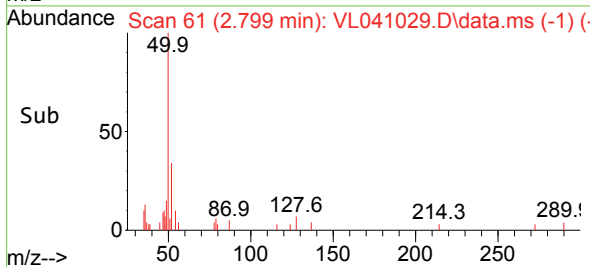
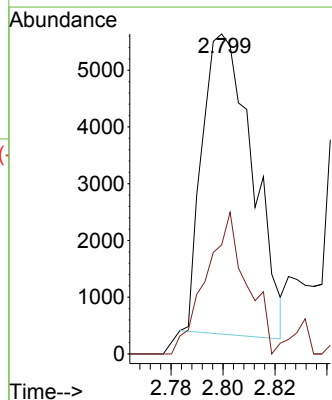
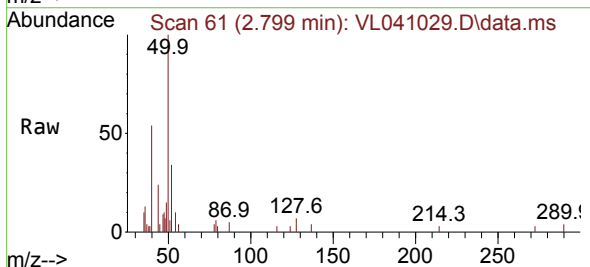
Instrument :
MSVOA_L
ClientSampleId :

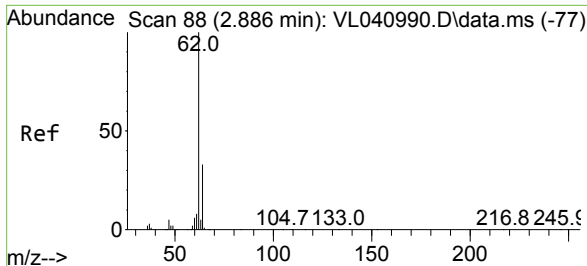
Tgt Ion: 51 Resp: 19999
Ion Ratio Lower Upper
51 100
67 20.5 14.8 22.2



#4
Chloromethane
Concen: 0.105 ppbv
RT: 2.799 min Scan# 61
Delta R.T. -0.000 min
Lab File: VL041029.D
Acq: 25 Jan 2024 14:39

Tgt Ion: 50 Resp: 7101
Ion Ratio Lower Upper
50 100
52 33.1 26.2 39.4

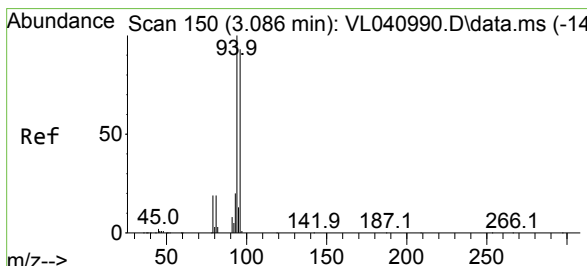
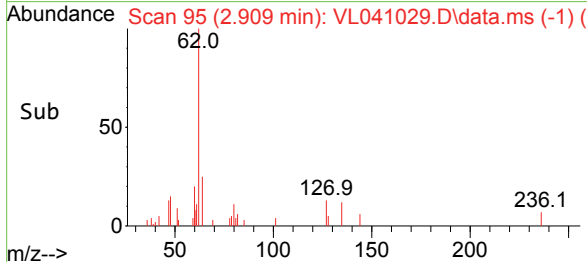
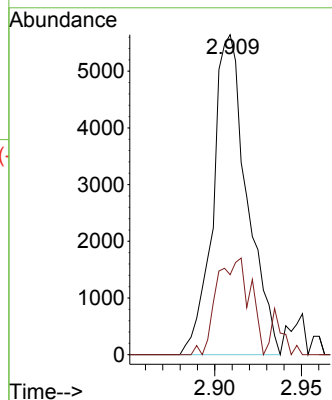
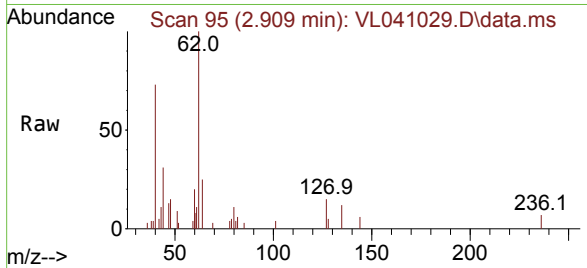




#5
 Vinyl Chloride
 Concen: 0.116 ppbv
 RT: 2.909 min Scan# 91
 Delta R.T. 0.003 min
 Lab File: VL041029.D
 Acq: 25 Jan 2024 14:39

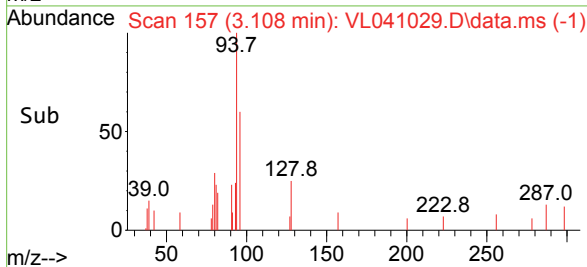
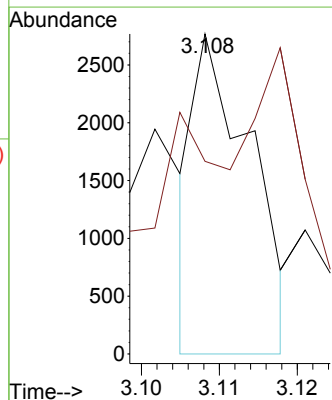
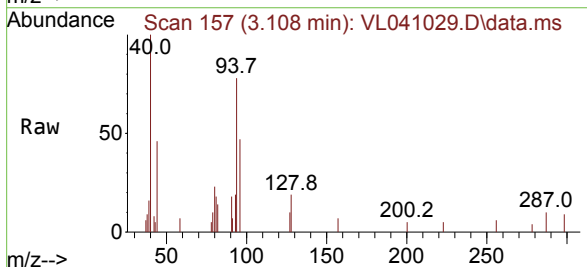
Instrument :
 MSVOA_L
 ClientSampleId :

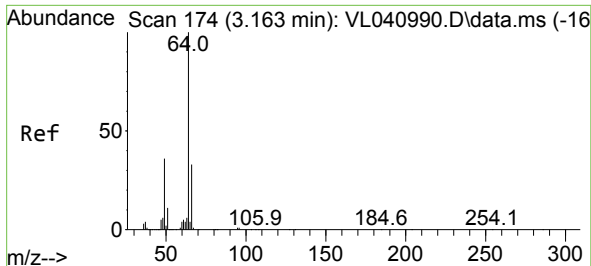
Tgt Ion: 62 Resp: 7719
 Ion Ratio Lower Upper
 62 100
 64 25.0 26.6 40.0#



#6
 Bromomethane
 Concen: 0.049 ppbv
 RT: 3.108 min Scan# 157
 Delta R.T. 0.003 min
 Lab File: VL041029.D
 Acq: 25 Jan 2024 14:39

Tgt Ion: 94 Resp: 1406
 Ion Ratio Lower Upper
 94 100
 96 0.0 74.2 111.4#

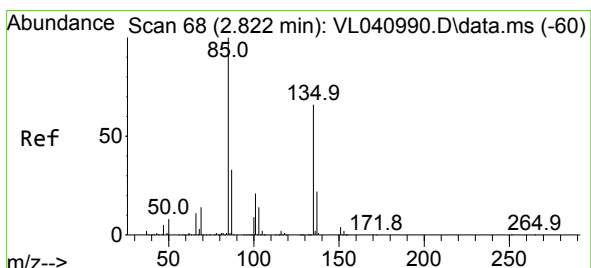
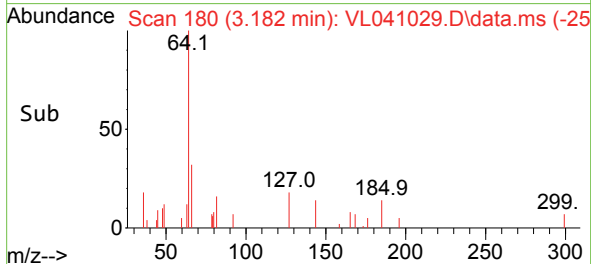
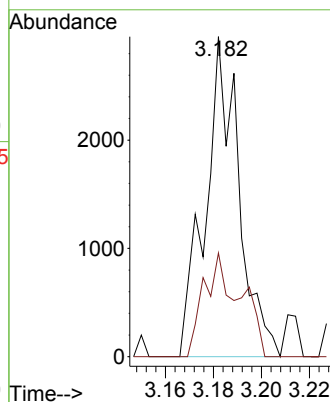
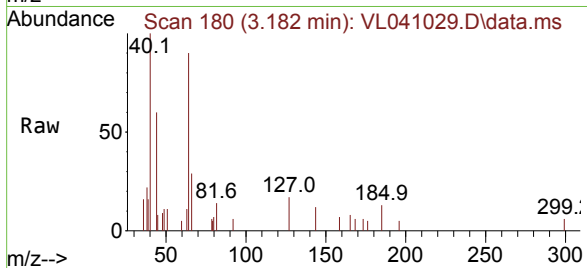




#7
Chloroethane
Concen: 0.120 ppbv
RT: 3.182 min Scan# 11
Delta R.T. -0.000 min
Lab File: VL041029.D
Acq: 25 Jan 2024 14:39

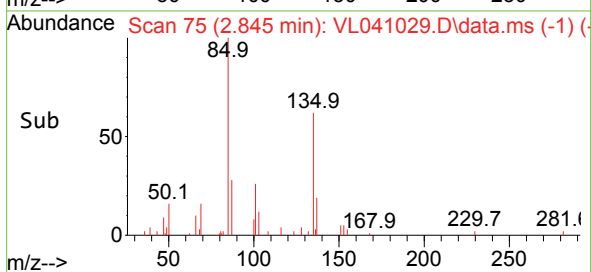
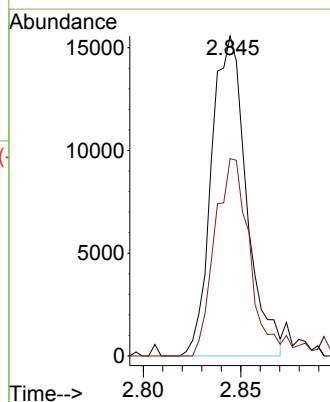
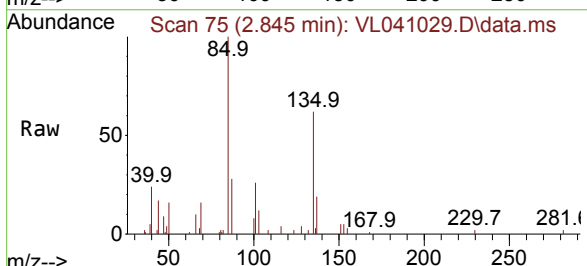
Instrument :
MSVOA_L
ClientSampleId :

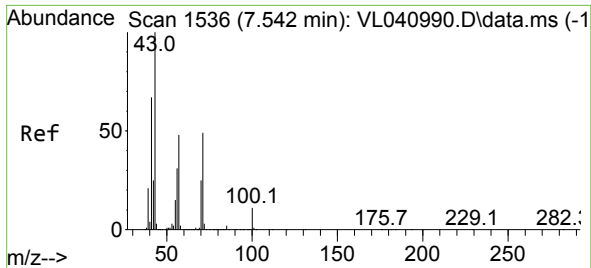
Tgt Ion: 64 Resp: 2855
Ion Ratio Lower Upper
64 100
66 32.4 26.0 39.0



#8
Dichlorotetrafluoroethane
Concen: 0.110 ppbv
RT: 2.845 min Scan# 75
Delta R.T. -0.000 min
Lab File: VL041029.D
Acq: 25 Jan 2024 14:39

Tgt Ion: 85 Resp: 19481
Ion Ratio Lower Upper
85 100
135 65.4 55.0 82.6

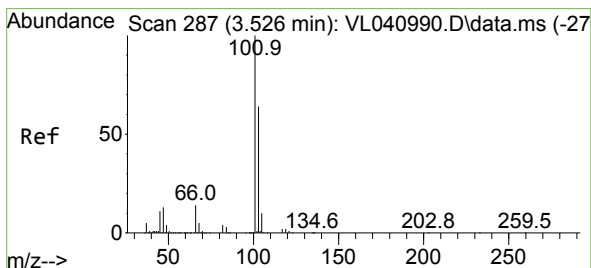
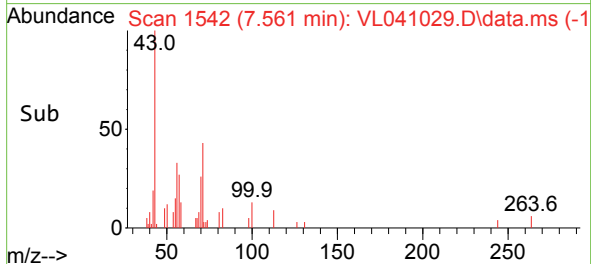
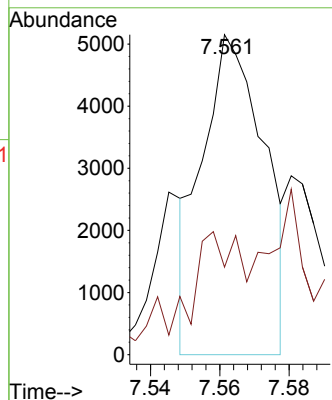
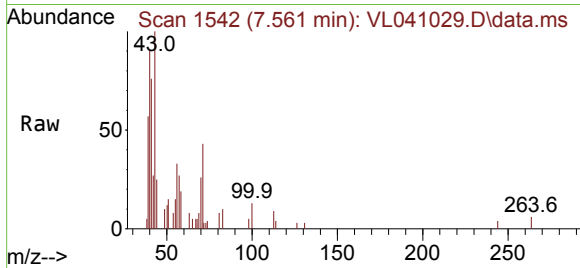




#10
Heptane
Concen: 0.044 ppbv
RT: 7.561 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL041029.D
Acq: 25 Jan 2024 14:39

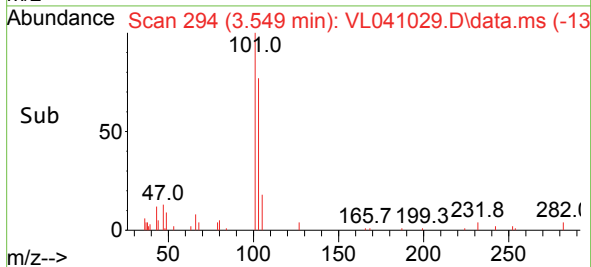
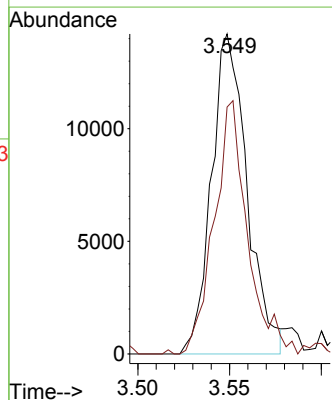
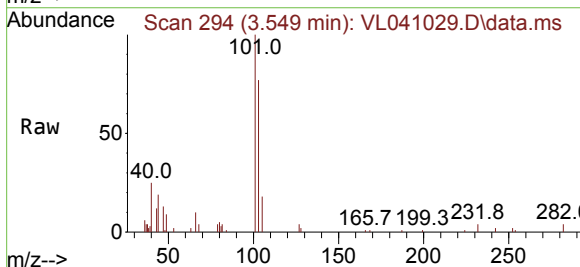
Instrument :
MSVOA_L
ClientSampleId :

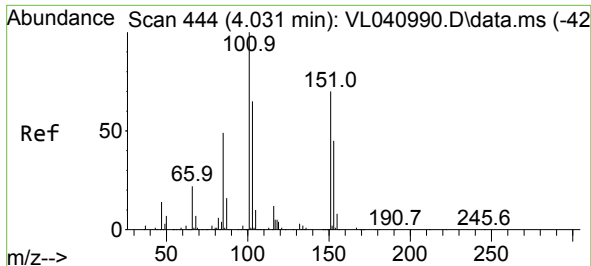
Tgt Ion: 43 Resp: 6407
Ion Ratio Lower Upper
43 100
57 0.0 39.4 59.2#



#11
Trichlorofluoromethane
Concen: 0.101 ppbv
RT: 3.549 min Scan# 294
Delta R.T. -0.000 min
Lab File: VL041029.D
Acq: 25 Jan 2024 14:39

Tgt Ion: 101 Resp: 19195
Ion Ratio Lower Upper
101 100
103 77.2 51.4 77.2

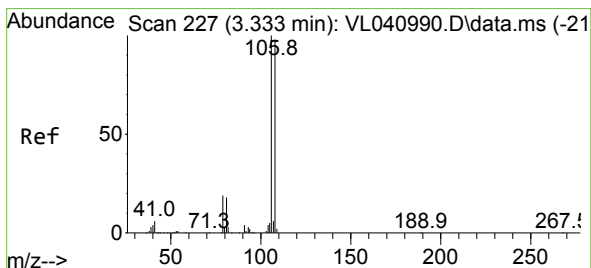
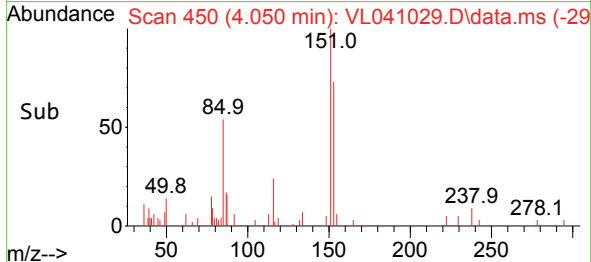
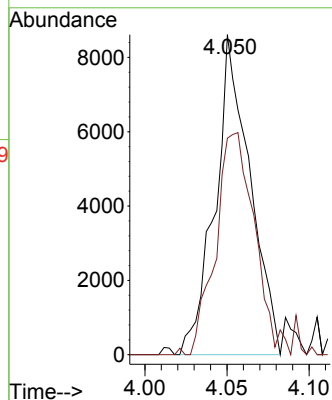
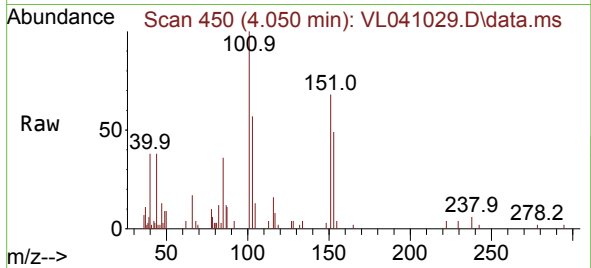




#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.092 ppbv
 RT: 4.050 min Scan# 41
 Delta R.T. -0.003 min
 Lab File: VL041029.D
 Acq: 25 Jan 2024 14:39

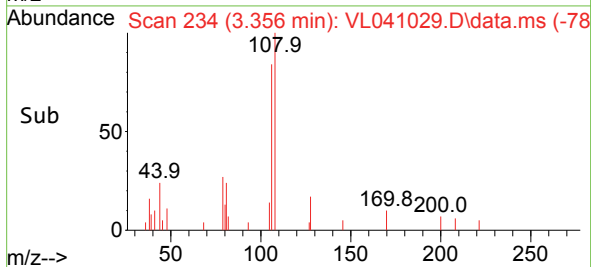
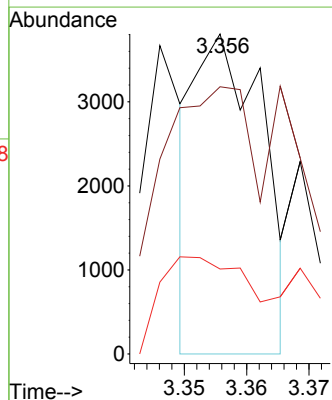
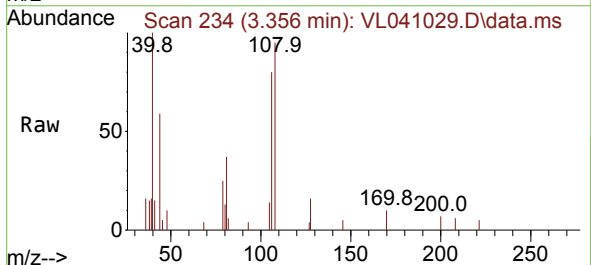
Instrument :
 MSVOA_L
 ClientSampleId :

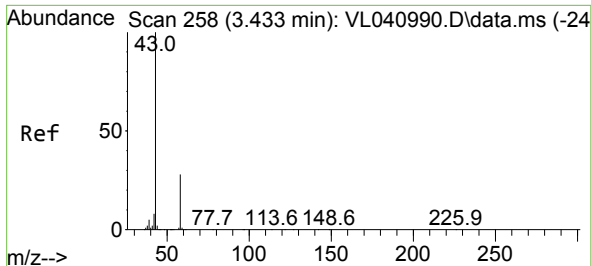
Tgt Ion:101 Resp: 12720
 Ion Ratio Lower Upper
 101 100
 151 79.6 56.6 85.0



#14
 Bromoethene
 Concen: 0.054 ppbv
 RT: 3.356 min Scan# 234
 Delta R.T. 0.003 min
 Lab File: VL041029.D
 Acq: 25 Jan 2024 14:39

Tgt Ion:108 Resp: 2868
 Ion Ratio Lower Upper
 108 100
 106 0.0 86.4 129.6#
 79 0.0 16.2 24.4#





#15

Acetone

Concen: 0.189 ppbv

RT: 3.488 min Scan# 21

Delta R.T. 0.032 min

Lab File: VL041029.D

Acq: 25 Jan 2024 14:39

Instrument :

MSVOA_L

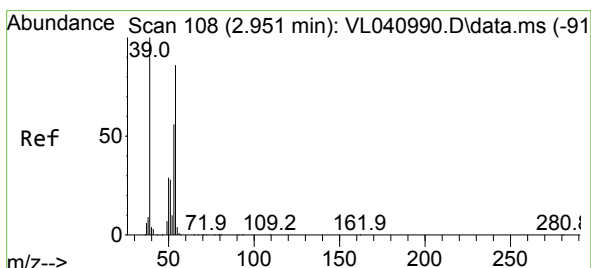
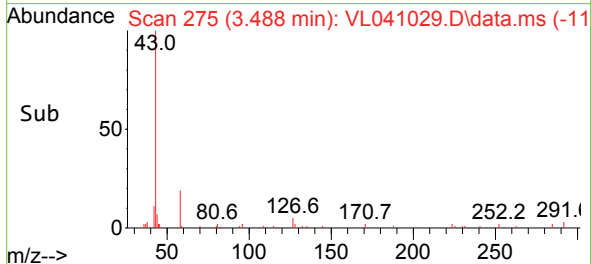
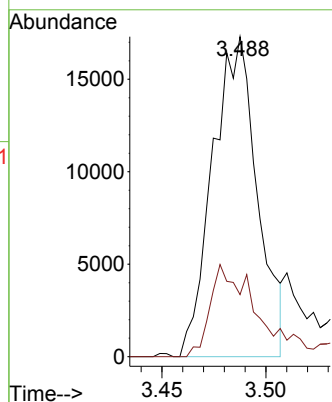
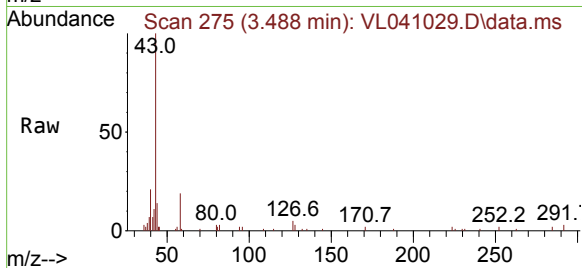
ClientSampleId :

Tgt Ion: 43 Resp: 25932

Ion Ratio Lower Upper

43 100

58 32.5 22.2 33.2



#16

1,3-Butadiene

Concen: 0.075 ppbv

RT: 2.970 min Scan# 114

Delta R.T. -0.000 min

Lab File: VL041029.D

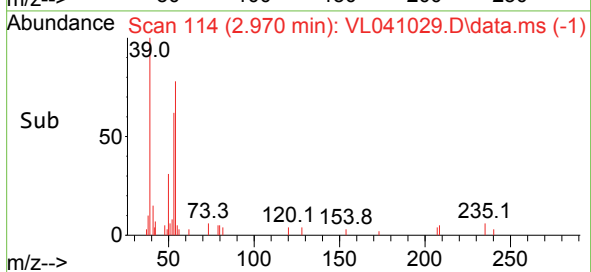
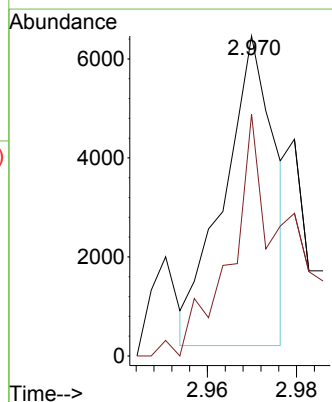
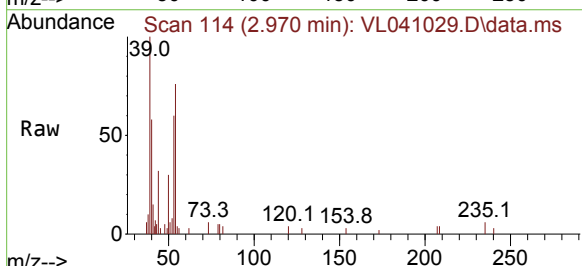
Acq: 25 Jan 2024 14:39

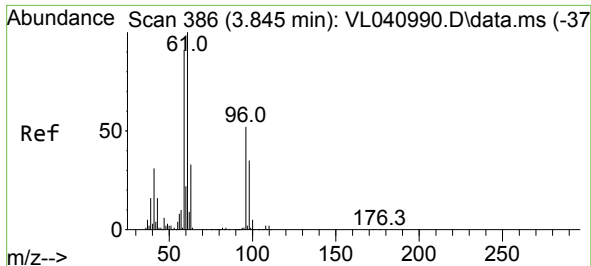
Tgt Ion: 39 Resp: 4925

Ion Ratio Lower Upper

39 100

54 102.6 62.7 94.1#

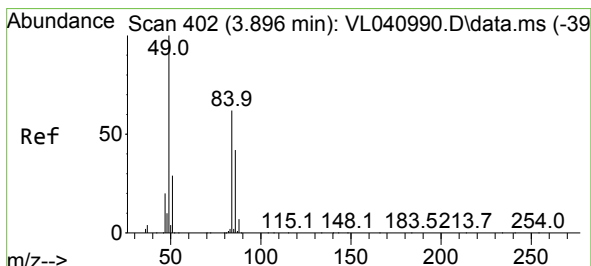
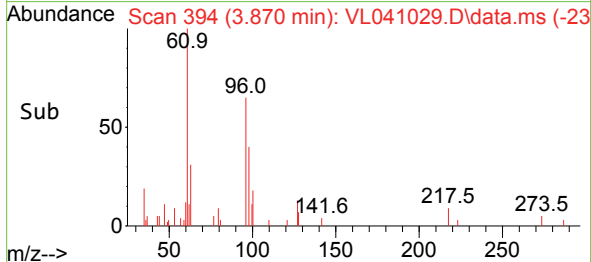
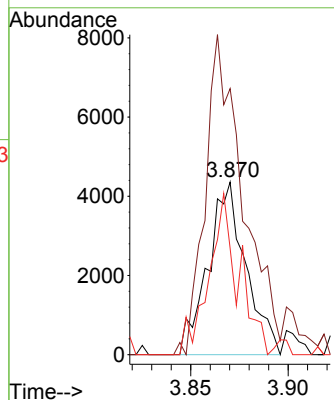
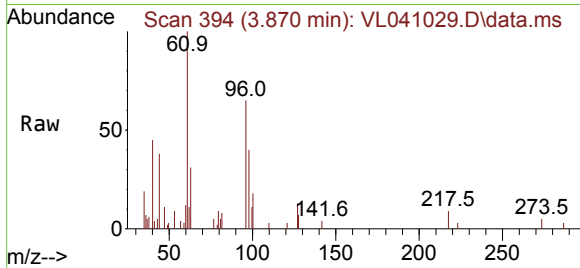




#18
1,1-Dichloroethene
Concen: 0.099 ppbv
RT: 3.870 min Scan# 394
Delta R.T. 0.003 min
Lab File: VL041029.D
Acq: 25 Jan 2024 14:39

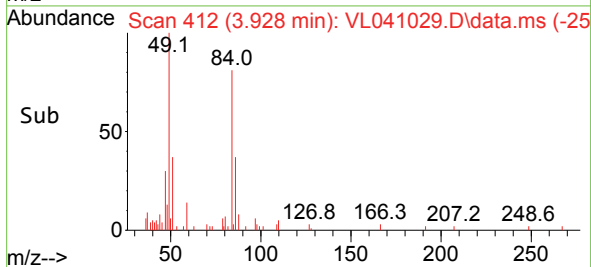
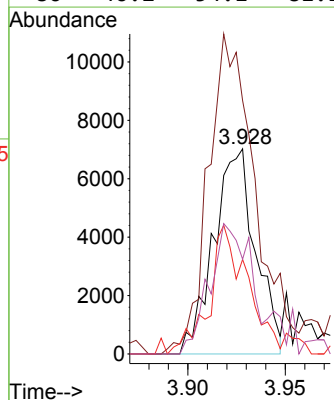
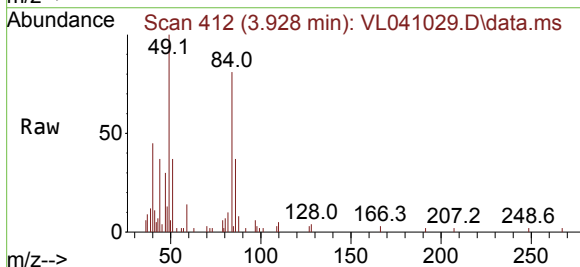
Instrument :
MSVOA_L
ClientSampleId :

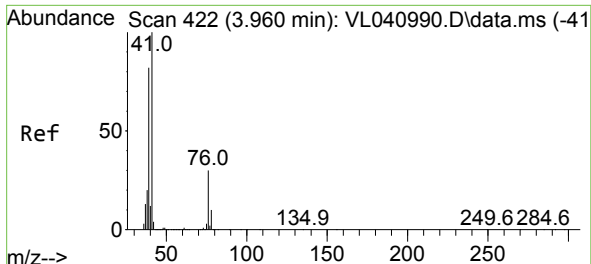
Tgt Ion: 96 Resp: 5861
Ion Ratio Lower Upper
96 100
61 147.0 153.8 230.8#
98 61.7 53.7 80.5



#20
Methylene Chloride
Concen: 0.198 ppbv
RT: 3.928 min Scan# 412
Delta R.T. 0.009 min
Lab File: VL041029.D
Acq: 25 Jan 2024 14:39

Tgt Ion: 84 Resp: 10469
Ion Ratio Lower Upper
84 100
49 118.8 128.1 192.1#
51 43.5 36.5 54.7
86 46.2 54.1 81.1#

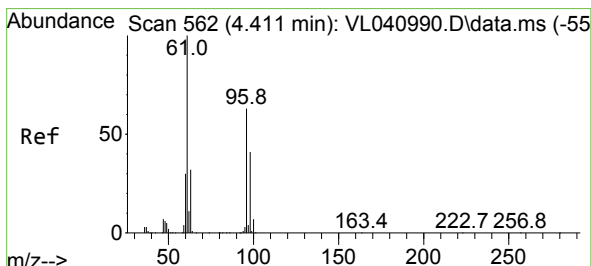
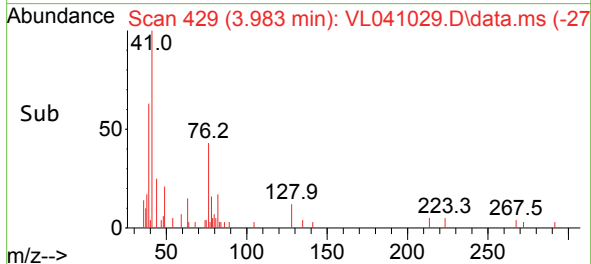
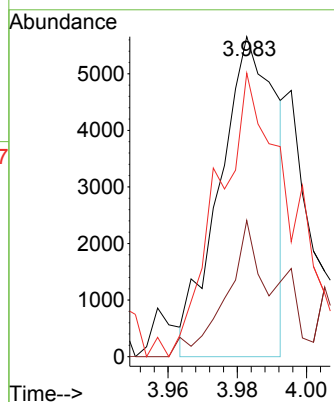
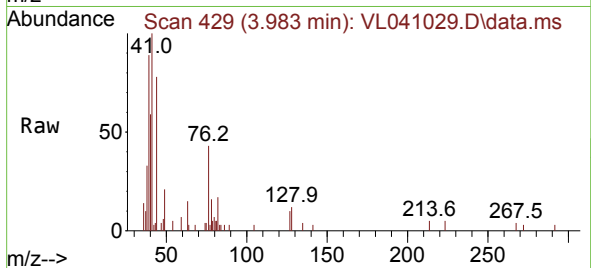




#21
 Allyl Chloride
 Concen: 0.077 ppbv
 RT: 3.983 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL041029.D
 Acq: 25 Jan 2024 14:39

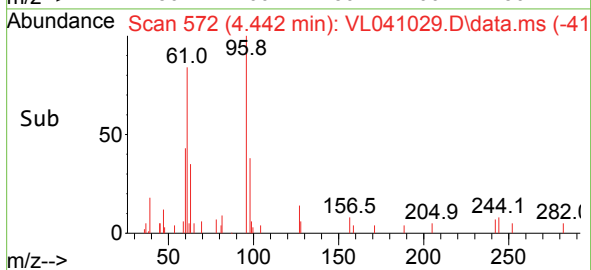
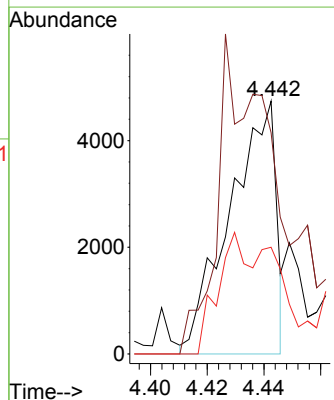
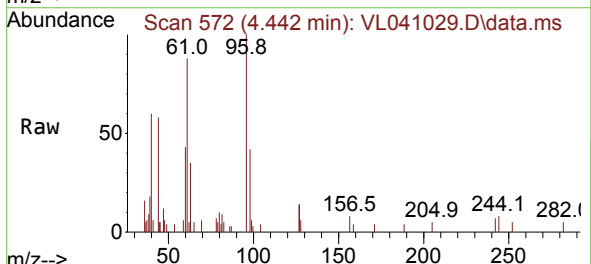
Instrument :
 MSVOA_L
 ClientSampleId :

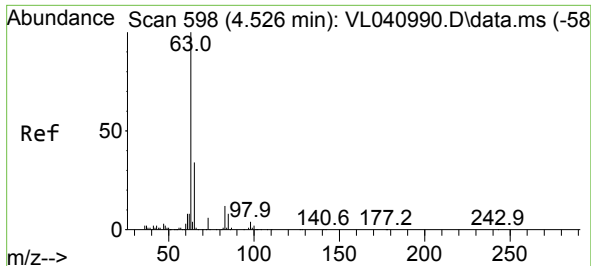
Tgt Ion: 41 Resp: 6439
 Ion Ratio Lower Upper
 41 100
 76 46.5 25.0 37.4#
 39 134.4 67.0 100.6#



#22
 trans-1,2-Dichloroethene
 Concen: 0.088 ppbv
 RT: 4.442 min Scan# 572
 Delta R.T. 0.010 min
 Lab File: VL041029.D
 Acq: 25 Jan 2024 14:39

Tgt Ion: 96 Resp: 5368
 Ion Ratio Lower Upper
 96 100
 61 90.6 126.0 189.0#
 98 43.7 51.2 76.8#





#24

1,1-Dichloroethane

Concen: 0.063 ppbv

RT: 4.552 min Scan# 60

Delta R.T. -0.000 min

Lab File: VL041029.D

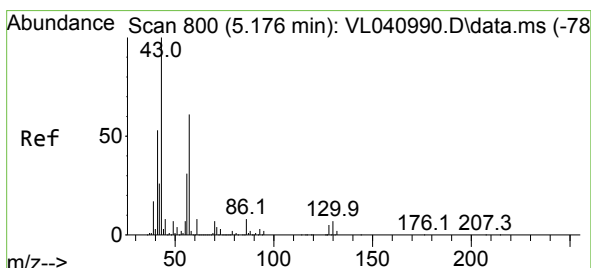
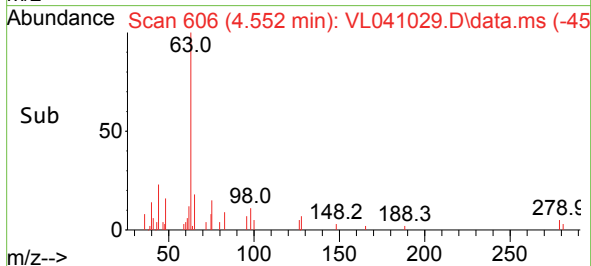
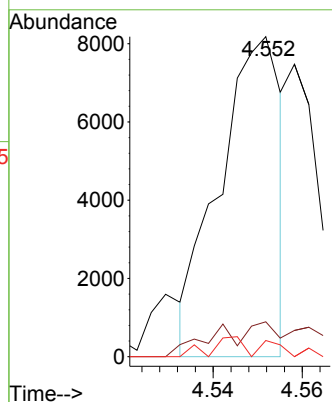
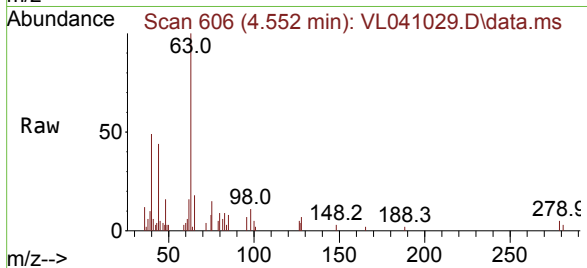
Acq: 25 Jan 2024 14:39

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion: 63	Resp: 7853
Ion Ratio	Lower Upper
63 100	
98 8.6	2.1 6.3#
100 6.1	1.3 3.9#



#26

Hexane

Concen: 0.069 ppbv

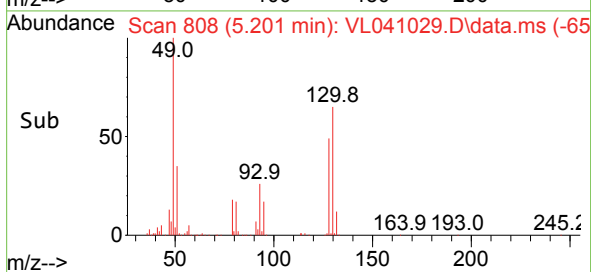
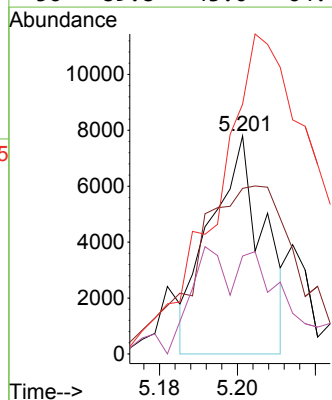
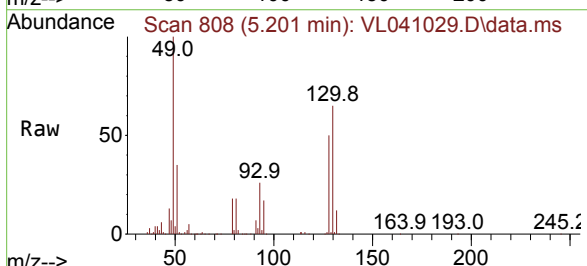
RT: 5.201 min Scan# 808

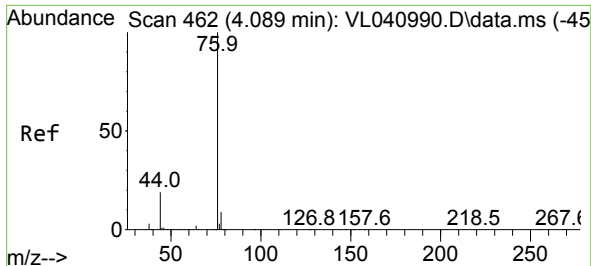
Delta R.T. -0.000 min

Lab File: VL041029.D

Acq: 25 Jan 2024 14:39

Tgt Ion: 57	Resp: 7348
Ion Ratio	Lower Upper
57 100	
41 168.5	74.4 111.6#
43 341.3	190.6 285.8#
56 89.8	43.0 64.4#

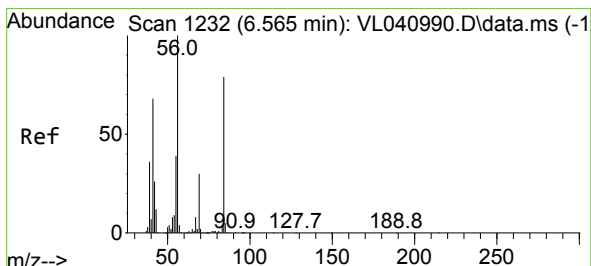
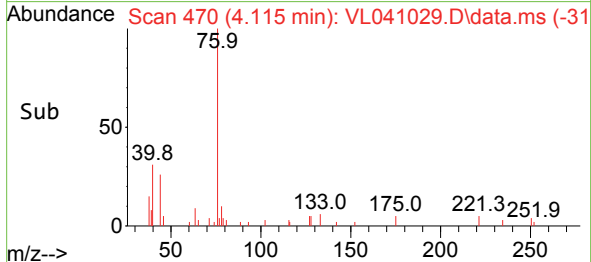
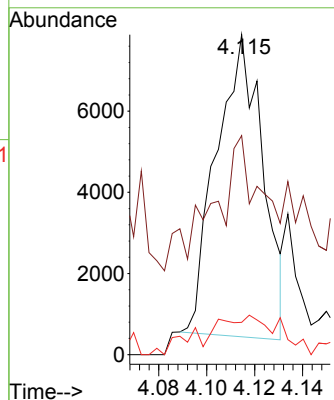
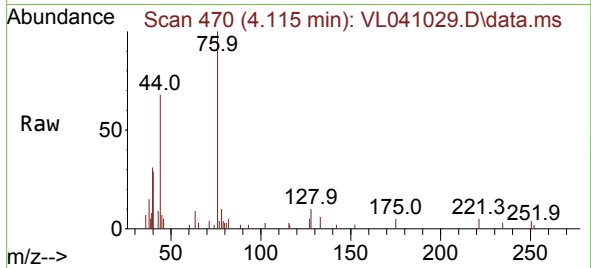




#27
Carbon Disulfide
Concen: 0.072 ppbv
RT: 4.115 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL041029.D
Acq: 25 Jan 2024 14:39

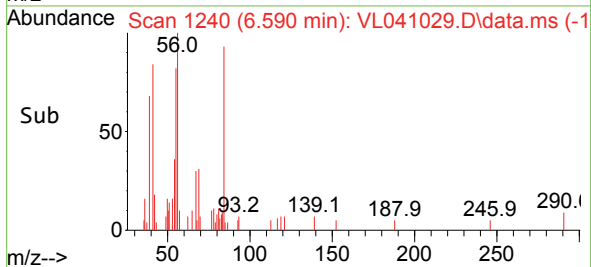
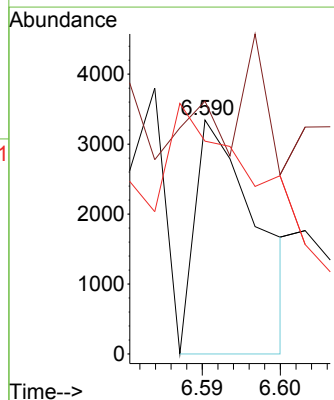
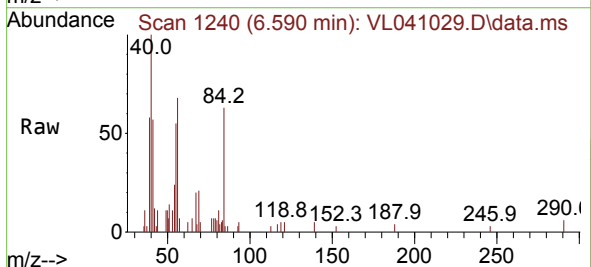
Instrument :
MSVOA_L
ClientSampleId :

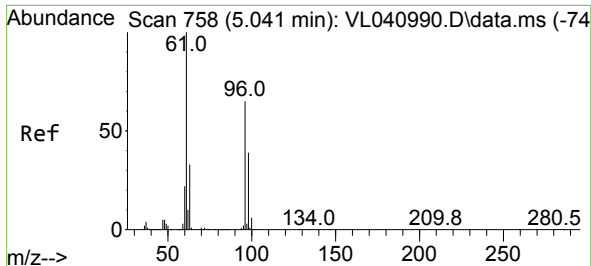
Tgt Ion: 76 Resp: 9974
Ion Ratio Lower Upper
76 100
44 61.8 16.0 24.0#
78 22.0 7.8 11.8#



#30
Cyclohexane
Concen: 0.021 ppbv
RT: 6.590 min Scan# 1240
Delta R.T. 0.003 min
Lab File: VL041029.D
Acq: 25 Jan 2024 14:39

Tgt Ion: 84 Resp: 1856
Ion Ratio Lower Upper
84 100
56 0.0 111.7 167.5#
41 386.2 71.0 106.6#

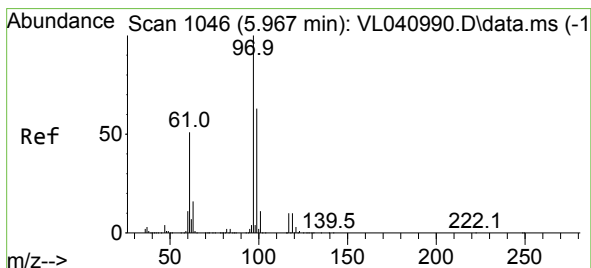
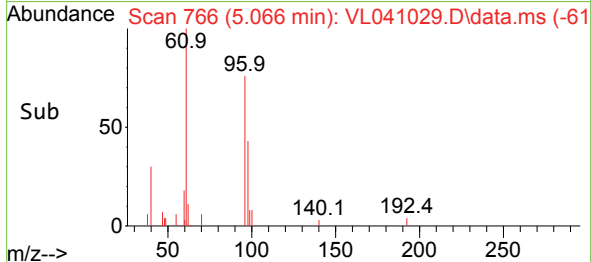
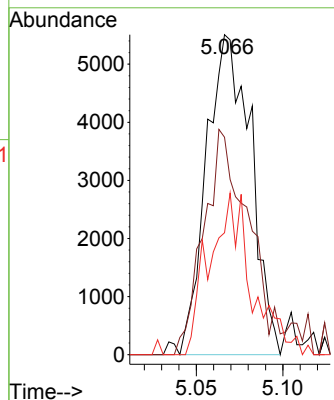
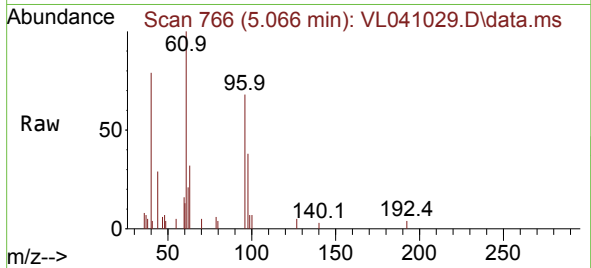




#31
 cis-1,2-Dichloroethene
 Concen: 0.098 ppbv
 RT: 5.066 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VL041029.D
 Acq: 25 Jan 2024 14:39

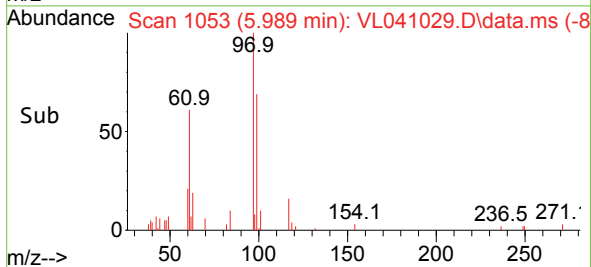
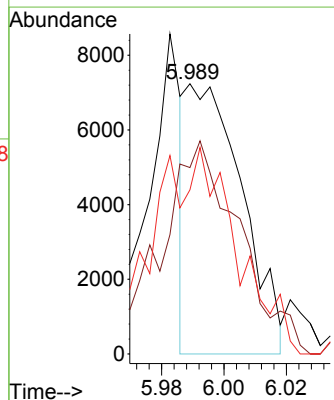
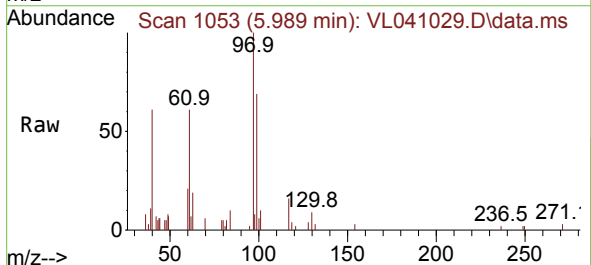
Instrument :
 MSVOA_L
 ClientSampleId :

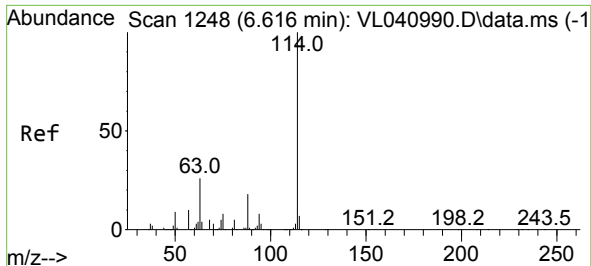
Tgt Ion: 61 Resp: 9783
 Ion Ratio Lower Upper
 61 100
 96 62.5 51.9 77.9
 98 38.1 31.5 47.3



#32
 1,1,1-Trichloroethane
 Concen: 0.050 ppbv
 RT: 5.989 min Scan# 1053
 Delta R.T. -0.003 min
 Lab File: VL041029.D
 Acq: 25 Jan 2024 14:39

Tgt Ion: 97 Resp: 8940
 Ion Ratio Lower Upper
 97 100
 99 120.0 51.5 77.3#
 61 119.0 40.3 60.5#

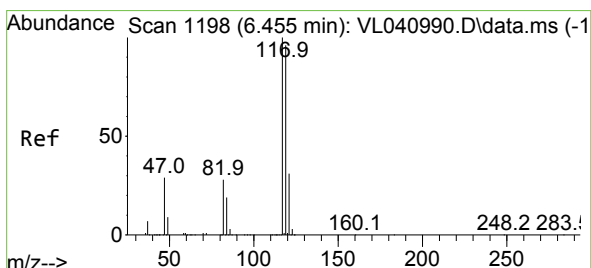
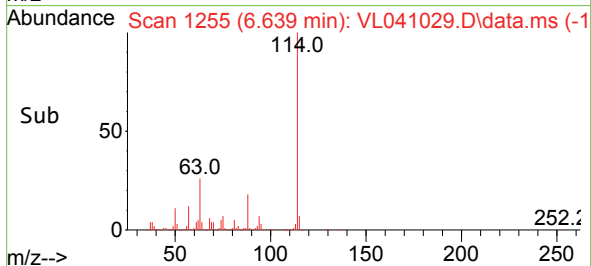
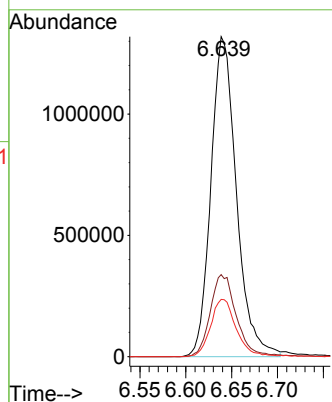
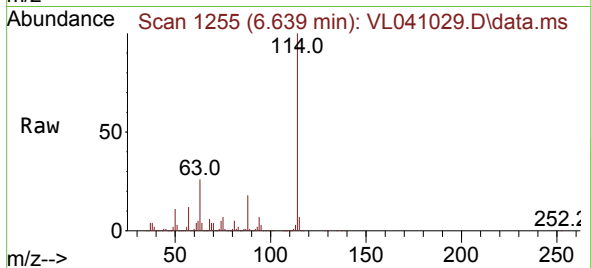




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 6.639 min Scan# 11
 Delta R.T. -0.003 min
 Lab File: VL041029.D
 Acq: 25 Jan 2024 14:39

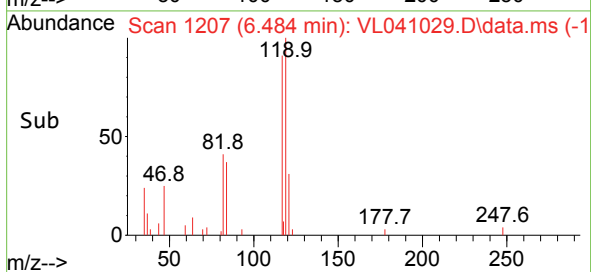
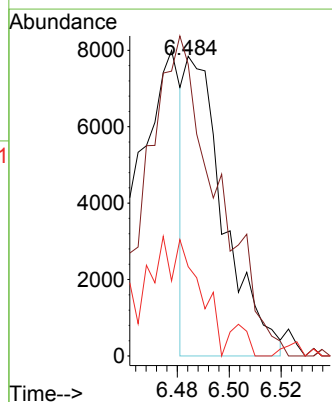
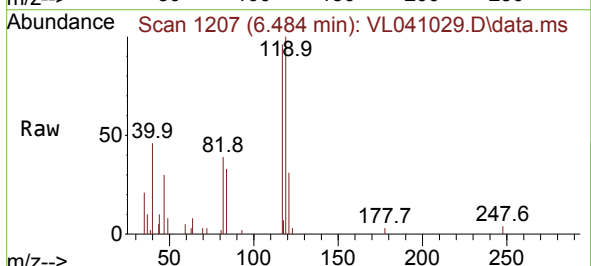
Instrument :
 MSVOA_L
 ClientSampleId :

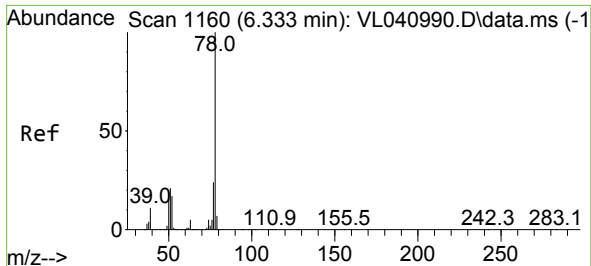
Tgt Ion:114 Resp: 2553526
 Ion Ratio Lower Upper
 114 100
 63 26.7 20.8 31.2
 88 18.2 14.3 21.5



#35
 Carbon Tetrachloride
 Concen: 0.048 ppbv
 RT: 6.484 min Scan# 1207
 Delta R.T. 0.003 min
 Lab File: VL041029.D
 Acq: 25 Jan 2024 14:39

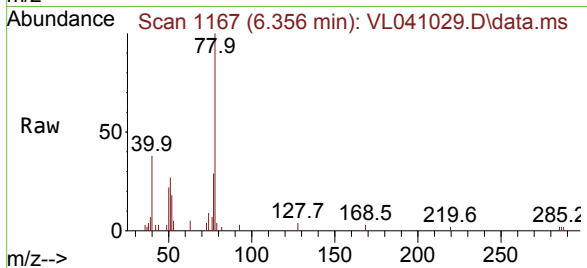
Tgt Ion:117 Resp: 8132
 Ion Ratio Lower Upper
 117 100
 119 97.6 76.9 115.3
 121 29.1 24.7 37.1



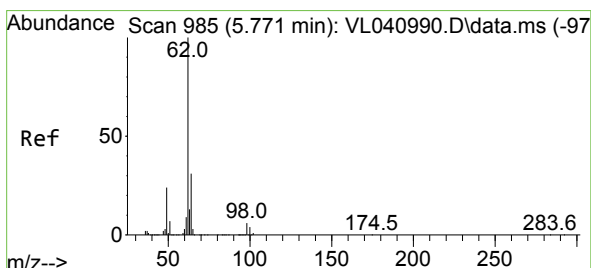
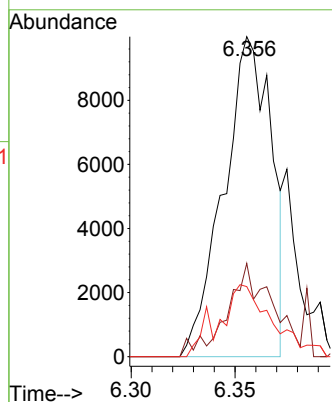
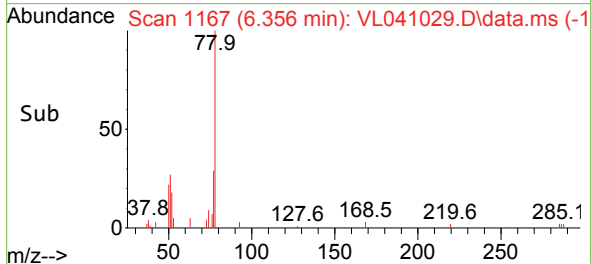


#36
Benzene
Concen: 0.076 ppbv
RT: 6.356 min Scan# 1167
Delta R.T. -0.000 min
Lab File: VL041029.D
Acq: 25 Jan 2024 14:39

Instrument :
MSVOA_L
ClientSampleId :

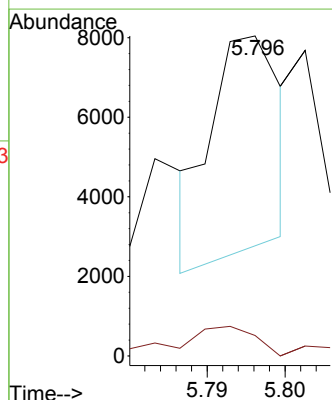
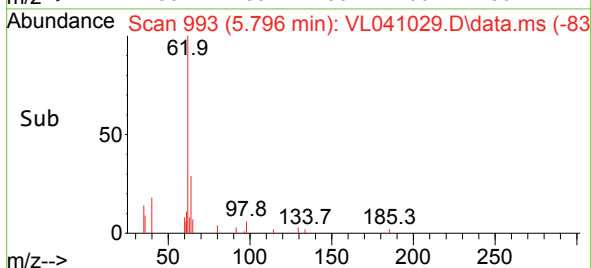
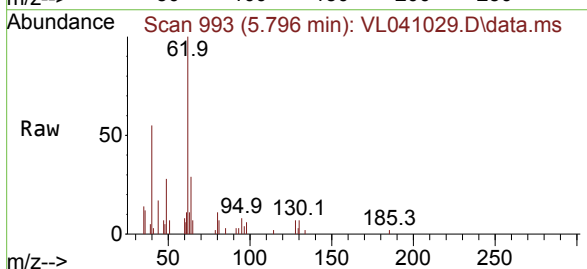


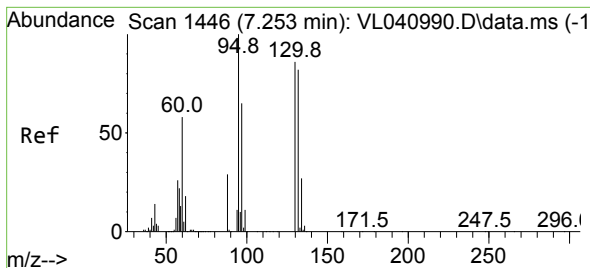
Tgt Ion: 78 Resp: 15963
Ion Ratio Lower Upper
78 100
77 29.7 19.0 28.4#
50 22.3 15.8 23.6



#37
1,2-Dichloroethane
Concen: 0.026 ppbv
RT: 5.796 min Scan# 993
Delta R.T. 0.003 min
Lab File: VL041029.D
Acq: 25 Jan 2024 14:39

Tgt Ion: 62 Resp: 3357
Ion Ratio Lower Upper
62 100
98 27.9 4.7 7.1#





#38

Trichloroethene

Concen: 0.062 ppbv

RT: 7.278 min Scan# 1446

Delta R.T. -0.000 min

Lab File: VL041029.D

Acq: 25 Jan 2024 14:39

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:130 Resp: 5203

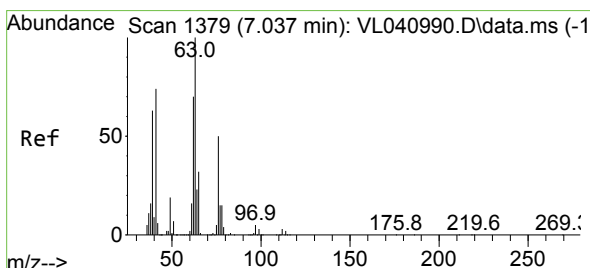
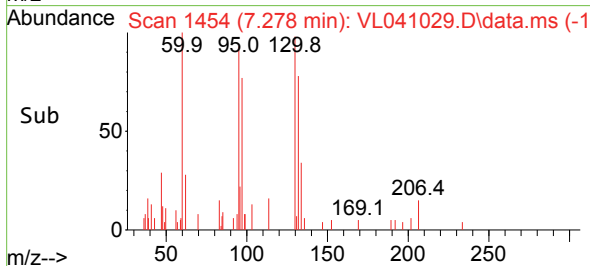
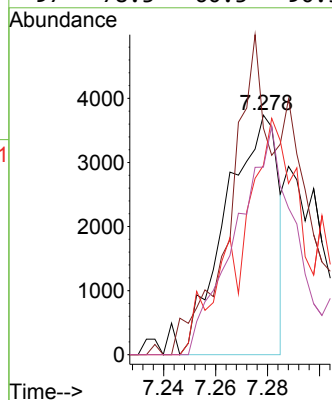
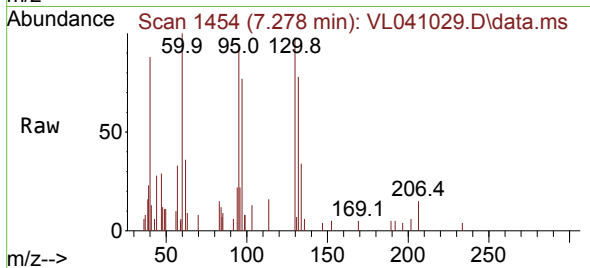
Ion Ratio Lower Upper

130 100

95 101.4 92.9 139.3

132 79.0 76.2 114.2

97 78.3 60.3 90.5



#39

1,2-Dichloropropane

Concen: 7.976 ppbv

RT: 6.639 min Scan# 1255

Delta R.T. -0.425 min

Lab File: VL041029.D

Acq: 25 Jan 2024 14:39

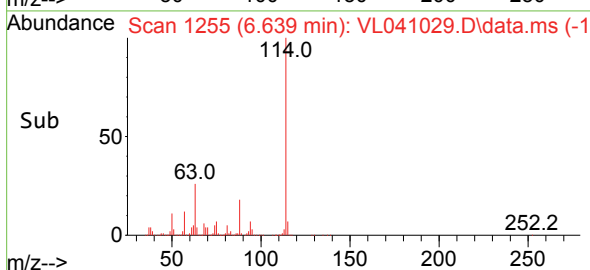
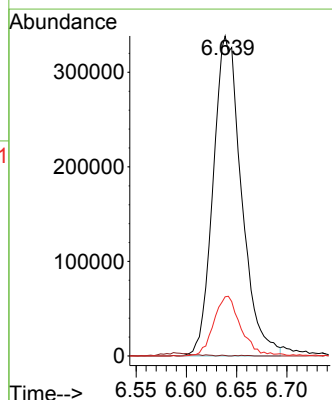
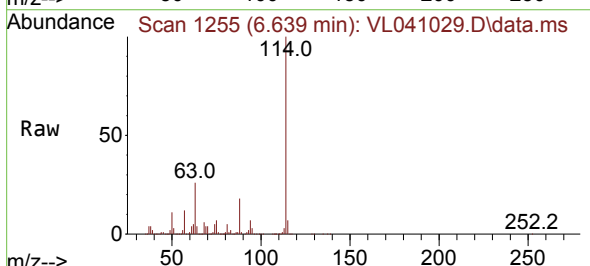
Tgt Ion: 63 Resp: 662659

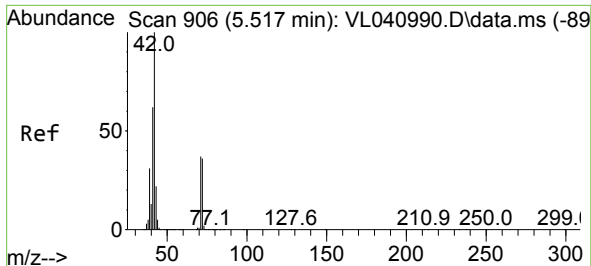
Ion Ratio Lower Upper

63 100

41 0.3 59.6 89.4#

62 18.5 55.6 83.4#

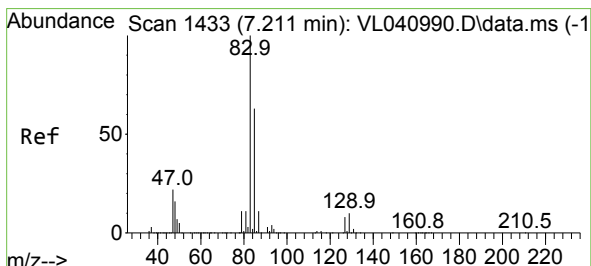
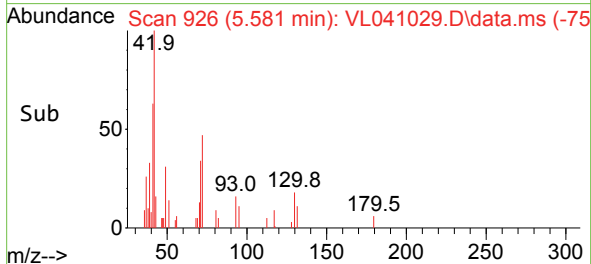
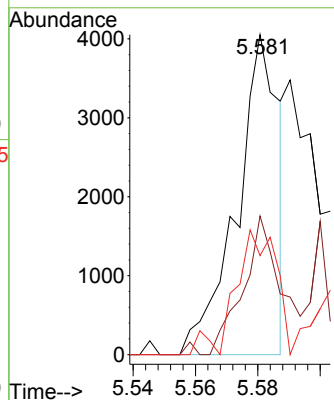
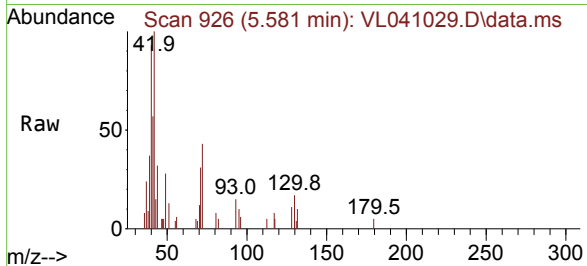




#41
Tetrahydrofuran
Concen: 0.046 ppbv
RT: 5.581 min Scan# 91
Delta R.T. 0.038 min
Lab File: VL041029.D
Acq: 25 Jan 2024 14:39

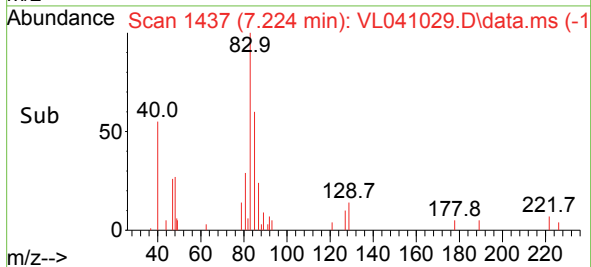
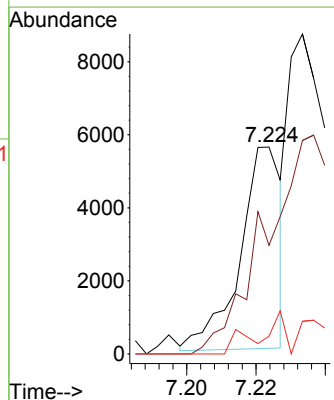
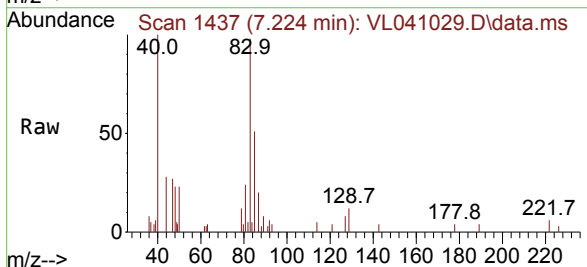
Instrument :
MSVOA_L
ClientSampleId :

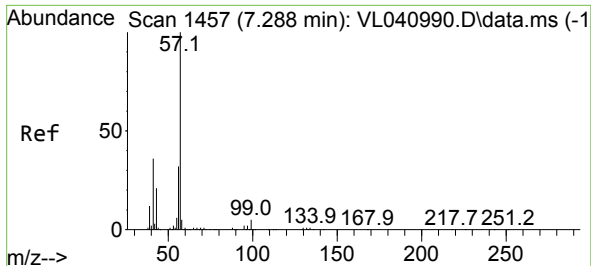
Tgt Ion: 42 Resp: 3772
Ion Ratio Lower Upper
42 100
72 62.9 30.0 45.0#
71 53.3 29.5 44.3#



#42
Bromodichloromethane
Concen: 0.025 ppbv
RT: 7.224 min Scan# 1437
Delta R.T. -0.013 min
Lab File: VL041029.D
Acq: 25 Jan 2024 14:39

Tgt Ion: 83 Resp: 4598
Ion Ratio Lower Upper
83 100
85 52.0 50.5 75.7
127 8.5 6.4 9.6

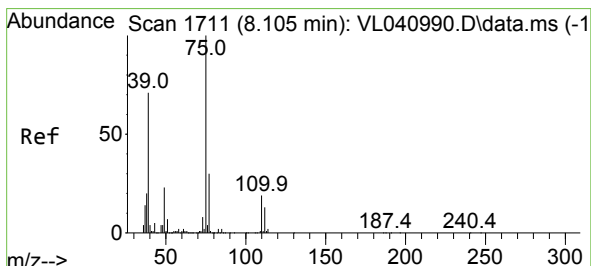
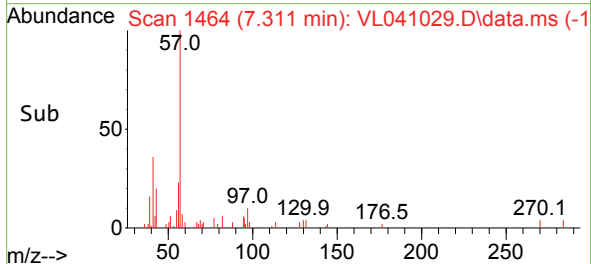
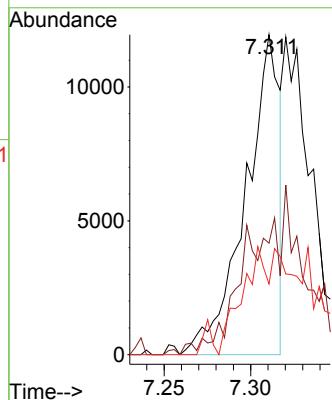
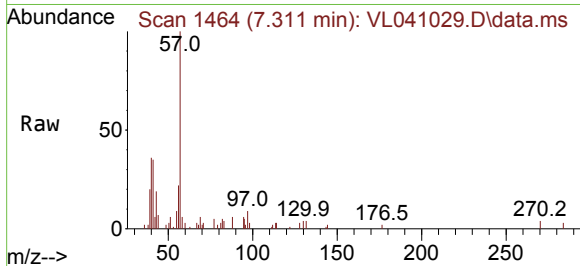




#44
2,2,4-Trimethylpentane
Concen: 0.046 ppbv
RT: 7.311 min Scan# 1457
Delta R.T. -0.003 min
Lab File: VL041029.D
Acq: 25 Jan 2024 14:39

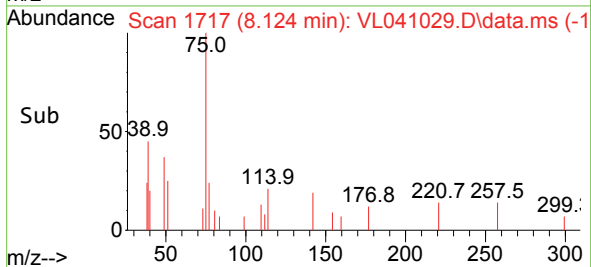
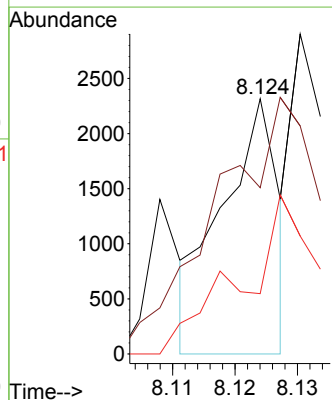
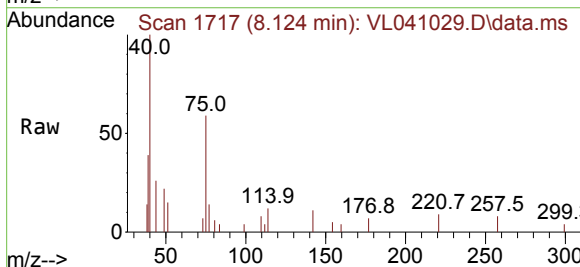
Instrument :
MSVOA_L
ClientSampleId :

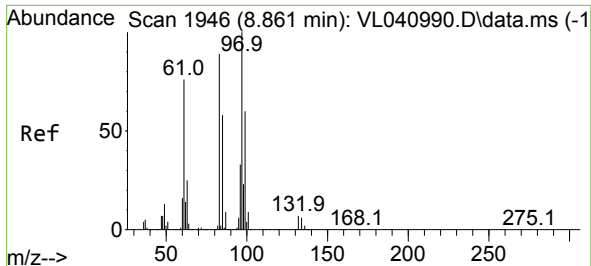
Tgt Ion: 57 Resp: 16304
Ion Ratio Lower Upper
57 100
41 0.0 28.6 43.0#
56 70.7 25.2 37.8#



#46
cis-1,3-Dichloropropene
Concen: 0.021 ppbv
RT: 8.124 min Scan# 1717
Delta R.T. -0.007 min
Lab File: VL041029.D
Acq: 25 Jan 2024 14:39

Tgt Ion: 75 Resp: 1457
Ion Ratio Lower Upper
75 100
39 48.9 57.3 85.9#
77 18.4 24.3 36.5#





#47

1,1,2-Trichloroethane

Concen: 0.029 ppbv

RT: 8.883 min Scan# 1946

Delta R.T. -0.007 min

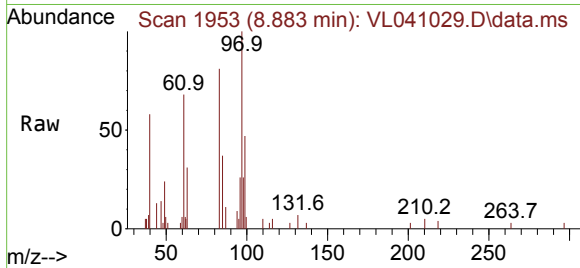
Lab File: VL041029.D

Acq: 25 Jan 2024 14:39

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion: 97 Resp: 2591

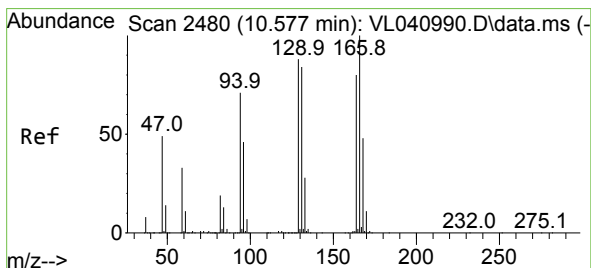
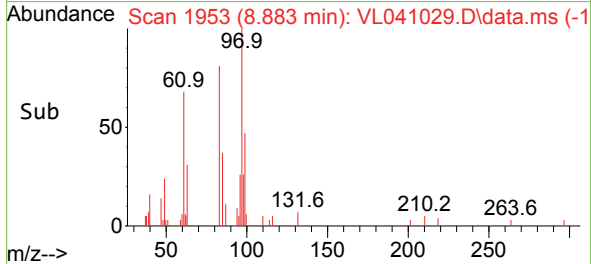
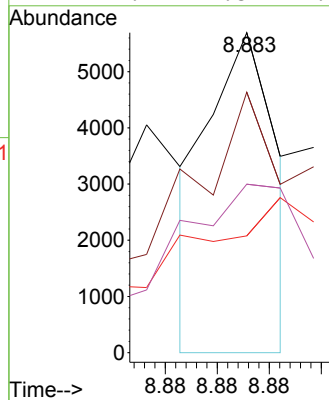
Ion Ratio Lower Upper

97 100

83 68.8 71.5 107.3#

85 0.0 46.1 69.1#

99 27.1 47.8 71.8#



#52

Tetrachloroethene

Concen: 0.039 ppbv

RT: 10.600 min Scan# 2487

Delta R.T. -0.003 min

Lab File: VL041029.D

Acq: 25 Jan 2024 14:39

Tgt Ion: 164 Resp: 2747

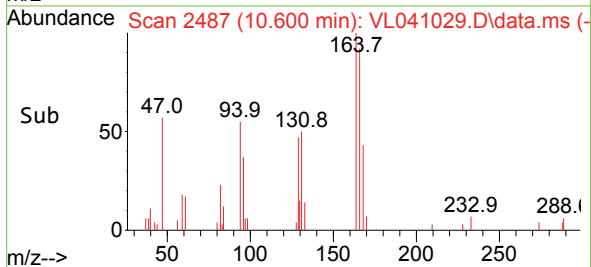
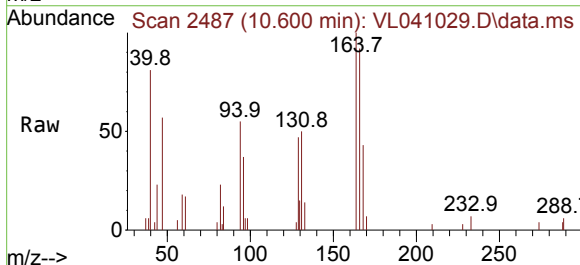
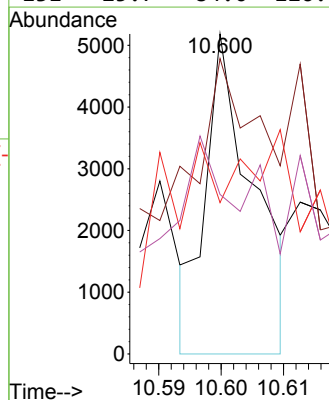
Ion Ratio Lower Upper

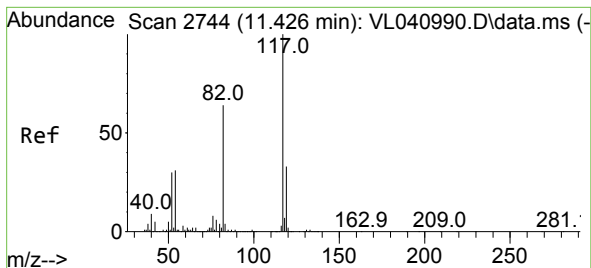
164 100

166 46.6 100.2 150.2#

129 31.5 87.9 131.9#

131 25.7 84.0 126.0#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.455 min Scan# 21

Delta R.T. -0.000 min

Lab File: VL041029.D

Acq: 25 Jan 2024 14:39

Instrument :

MSVOA_L

ClientSampleId :

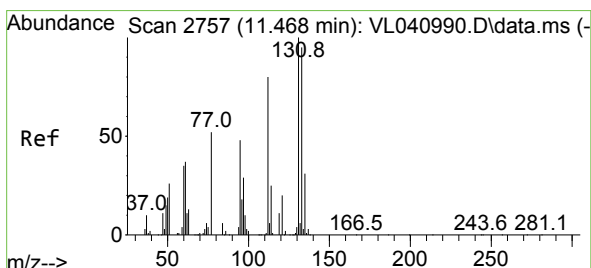
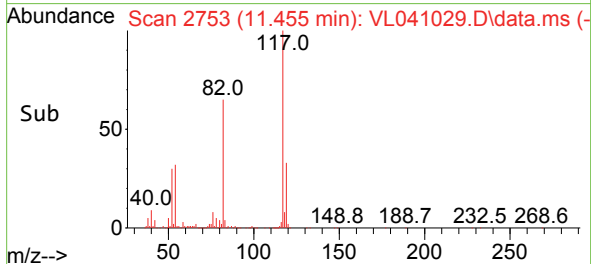
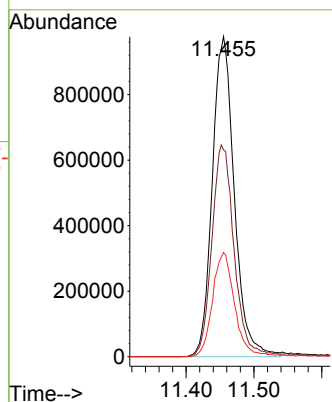
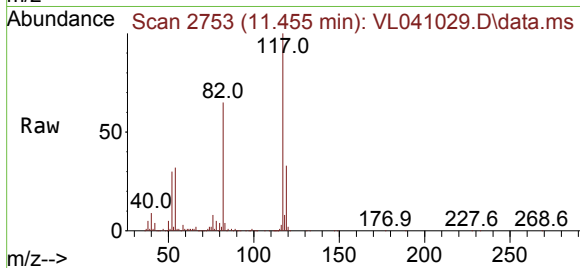
Tgt Ion:117 Resp: 2203881

Ion Ratio Lower Upper

117 100

82 68.0 51.7 77.5

119 32.7 23.8 35.6



#56

1,1,1,2-Tetrachloroethane

Concen: 0.030 ppbv

RT: 11.494 min Scan# 2765

Delta R.T. -0.000 min

Lab File: VL041029.D

Acq: 25 Jan 2024 14:39

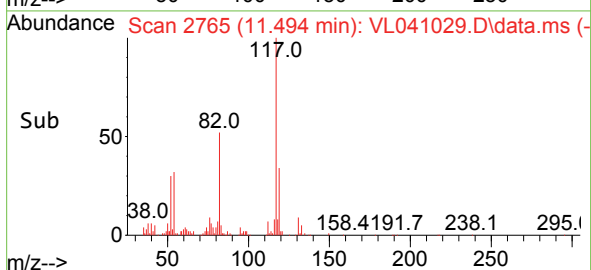
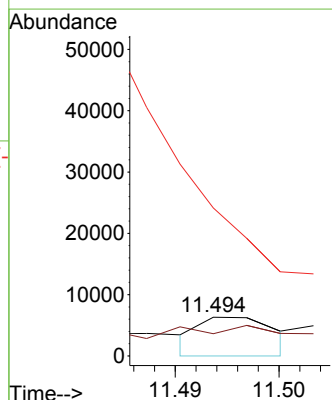
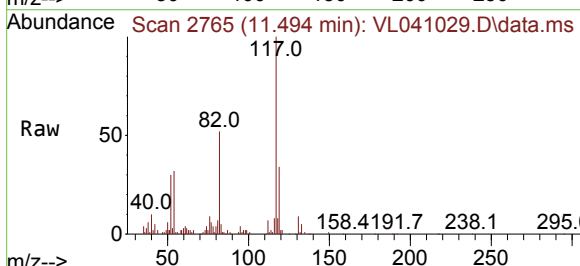
Tgt Ion:131 Resp: 3207

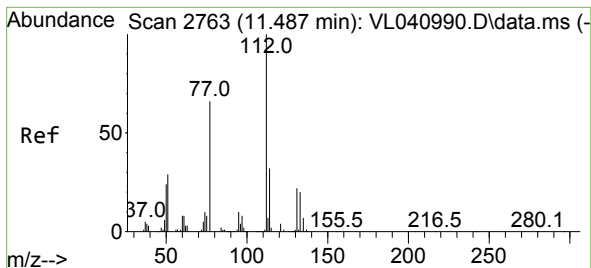
Ion Ratio Lower Upper

131 100

133 335.2 75.9 113.9#

119 0.0 49.2 73.8#





#57

Chlorobenzene

Concen: 0.038 ppbv

RT: 11.510 min Scan# 21

Delta R.T. -0.003 min

Lab File: VL041029.D

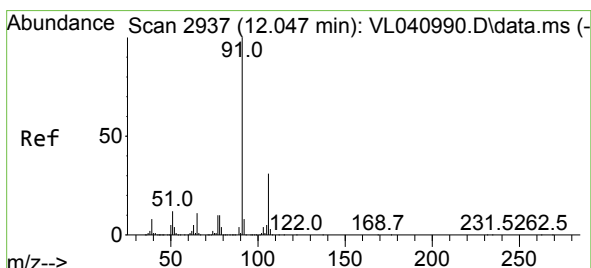
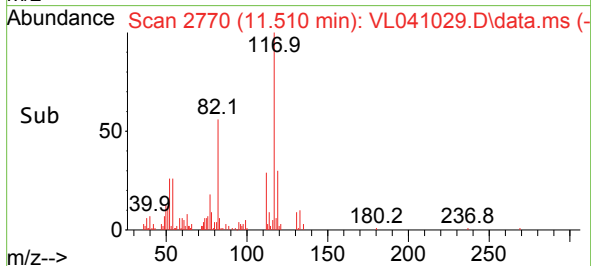
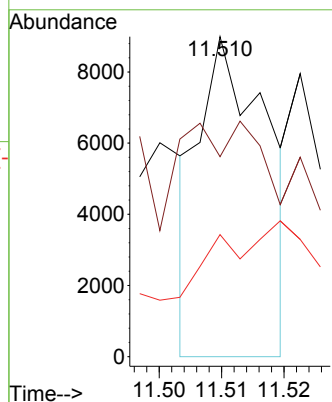
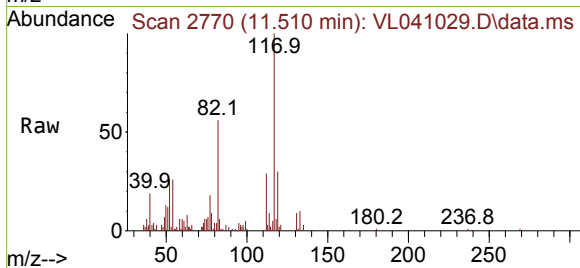
Acq: 25 Jan 2024 14:39

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:112	Resp:	6762
Ion Ratio	Lower	Upper
112	100	
77	30.8	53.4 80.0#
114	31.8	29.1 35.5



#58

Ethyl Benzene

Concen: 0.028 ppbv

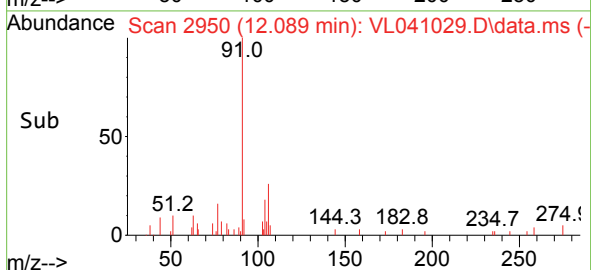
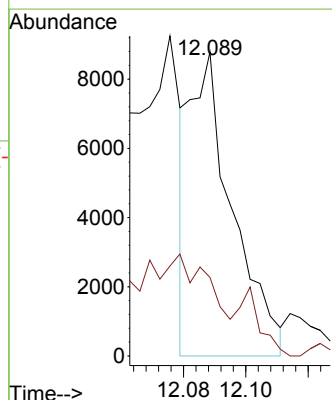
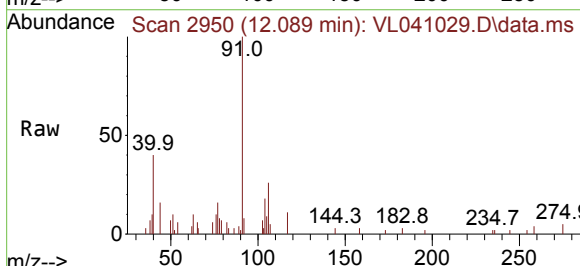
RT: 12.089 min Scan# 2950

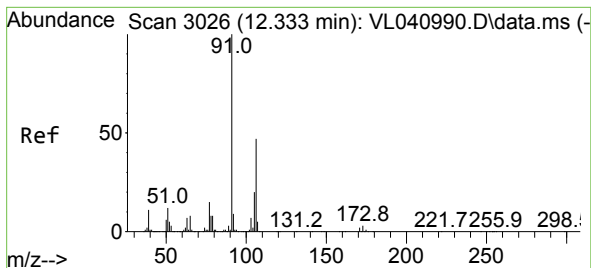
Delta R.T. 0.013 min

Lab File: VL041029.D

Acq: 25 Jan 2024 14:39

Tgt Ion: 91	Resp:	8323
Ion Ratio	Lower	Upper
91	100	
106	26.0	24.8 37.2





#59

m/p-Xylene

Concen: 0.045 ppbv

RT: 12.362 min Scan# 30

Delta R.T. 0.003 min

Lab File: VL041029.D

Acq: 25 Jan 2024 14:39

Instrument :

MSVOA_L

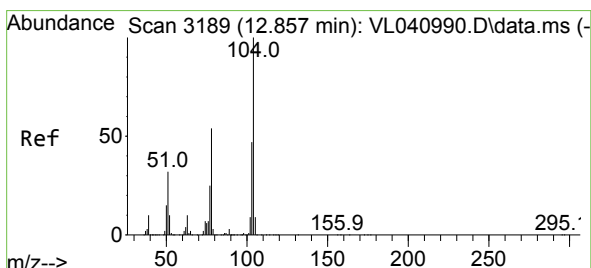
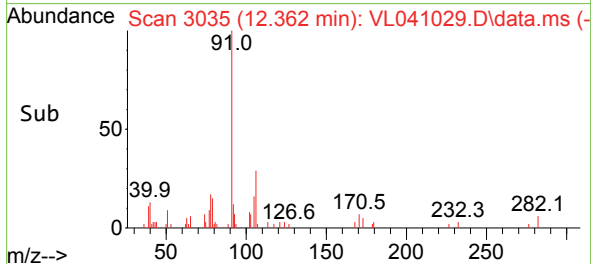
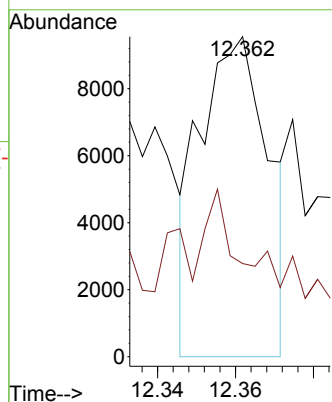
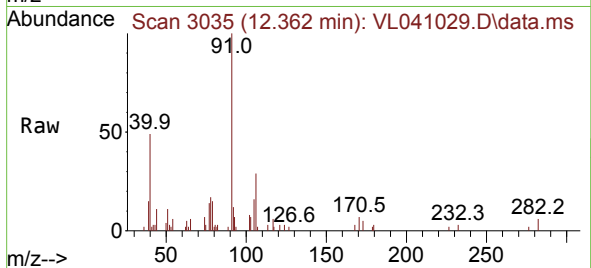
ClientSampleId :

Tgt Ion: 91 Resp: 11581

Ion Ratio Lower Upper

91 100

106 76.1 34.9 52.3#



#61

Styrene

Concen: 0.027 ppbv

RT: 12.892 min Scan# 3200

Delta R.T. 0.009 min

Lab File: VL041029.D

Acq: 25 Jan 2024 14:39

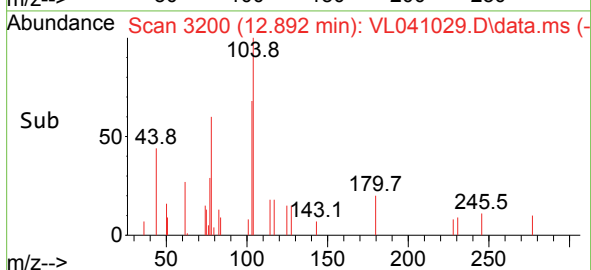
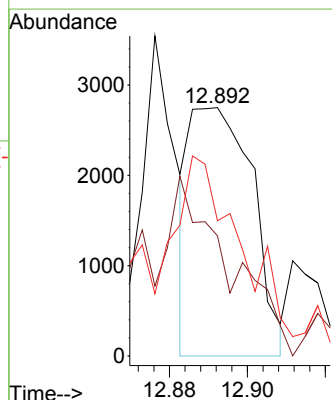
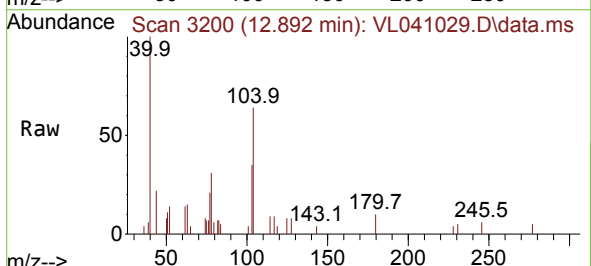
Tgt Ion: 104 Resp: 3091

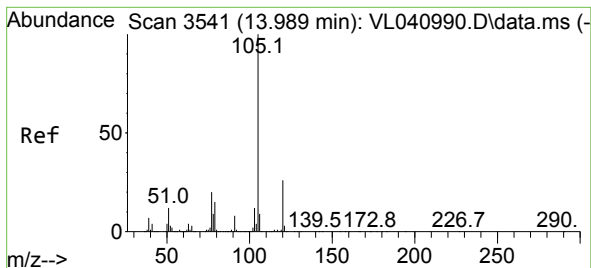
Ion Ratio Lower Upper

104 100

78 114.8 42.7 64.1#

103 131.2 37.6 56.4#





#62

Isopropylbenzene

Concen: 0.054 ppbv

RT: 14.014 min Scan# 3549

Delta R.T. -0.000 min

Lab File: VL041029.D

Acq: 25 Jan 2024 14:39

Instrument :

MSVOA_L

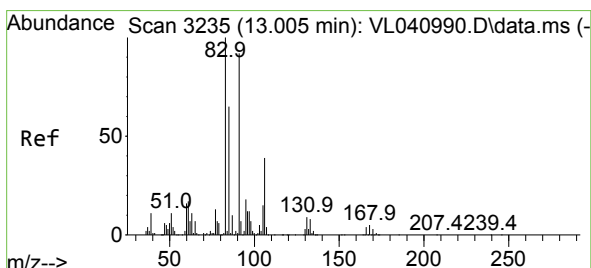
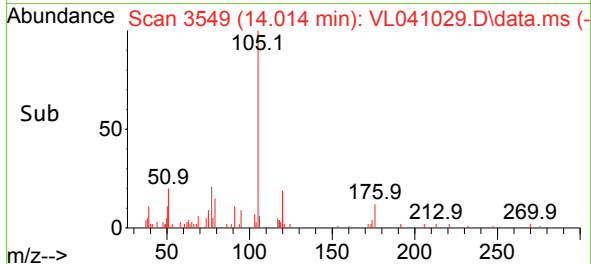
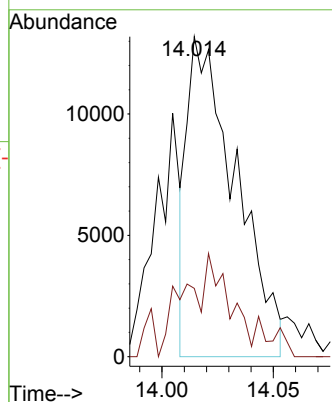
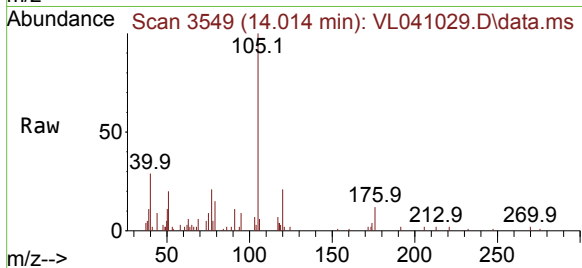
ClientSampleId :

Tgt Ion:105 Resp: 19901

Ion Ratio Lower Upper

105 100

120 36.9 20.9 31.3#



#63

1,1,2,2-Tetrachloroethane

Concen: 0.044 ppbv

RT: 13.037 min Scan# 3245

Delta R.T. 0.003 min

Lab File: VL041029.D

Acq: 25 Jan 2024 14:39

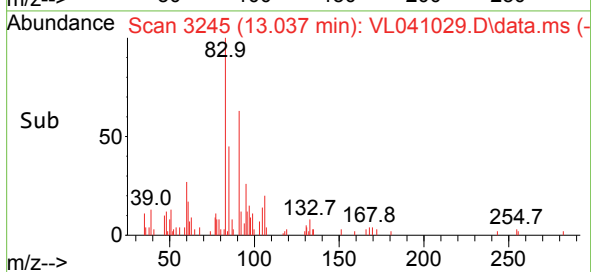
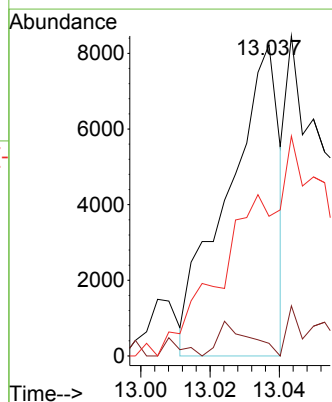
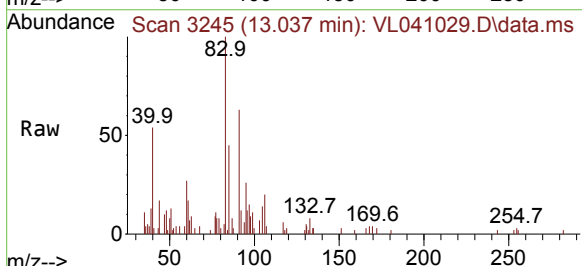
Tgt Ion: 83 Resp: 8555

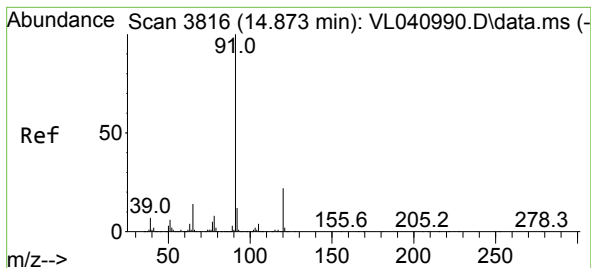
Ion Ratio Lower Upper

83 100

131 0.0 4.6 13.8#

85 0.0 33.0 99.0#





#64

n-propylbenzene

Concen: 0.024 ppbv

RT: 14.905 min Scan# 3826

Delta R.T. 0.003 min

Lab File: VL041029.D

Acq: 25 Jan 2024 14:39

Instrument :

MSVOA_L

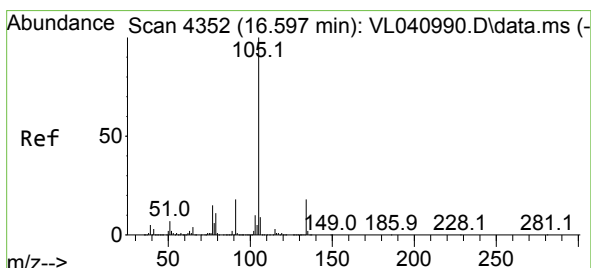
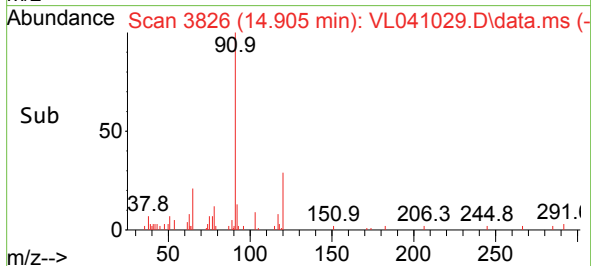
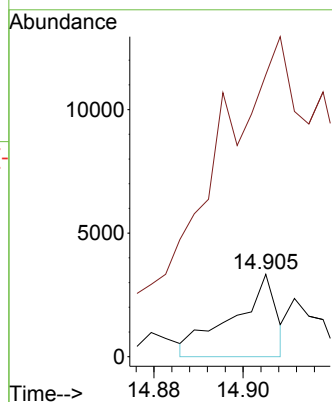
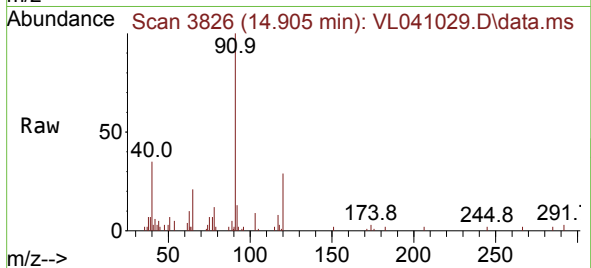
ClientSampleId :

Tgt Ion:120 Resp: 2238

Ion Ratio Lower Upper

120 100

91 0.0 390.6 585.8#



#67

sec-Butylbenzene

Concen: 0.052 ppbv

RT: 16.625 min Scan# 4361

Delta R.T. 0.006 min

Lab File: VL041029.D

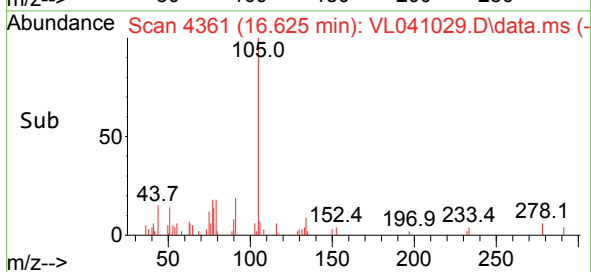
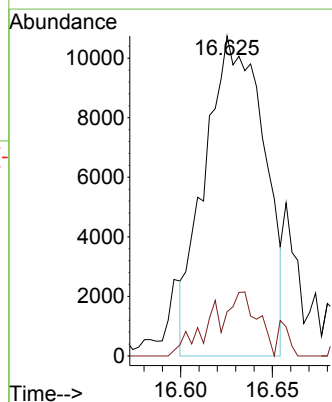
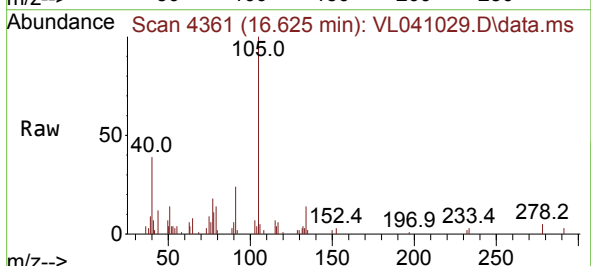
Acq: 25 Jan 2024 14:39

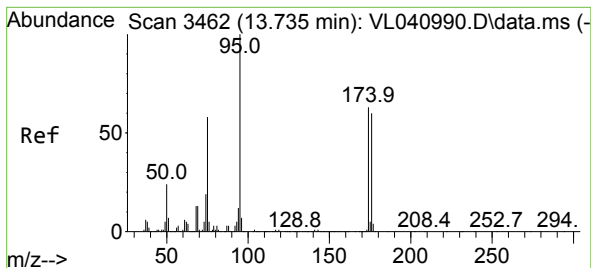
Tgt Ion:105 Resp: 24050

Ion Ratio Lower Upper

105 100

134 17.4 14.2 21.4





#68

1-Bromo-4-Fluorobenzene

Concen: 9.884 ppbv

RT: 13.764 min Scan# 3462

Delta R.T. -0.000 min

Lab File: VL041029.D

Acq: 25 Jan 2024 14:39

Instrument :

MSVOA_L

ClientSampleId :

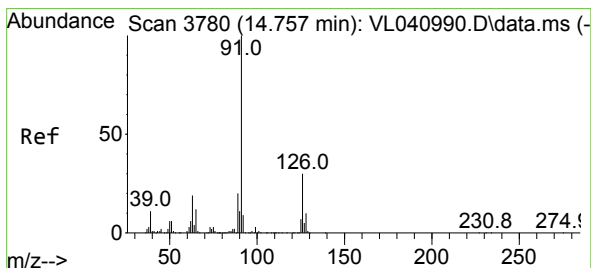
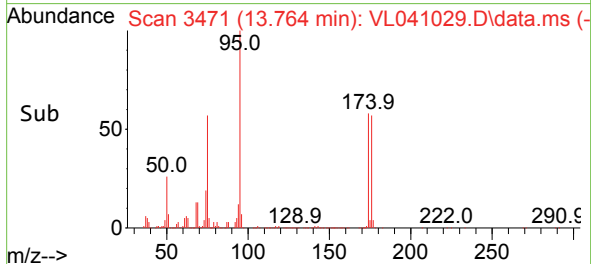
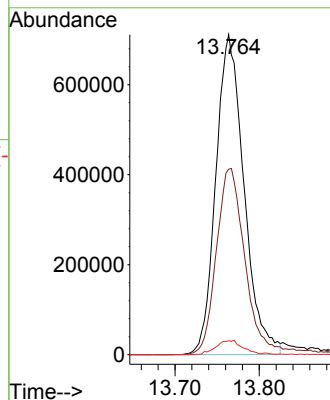
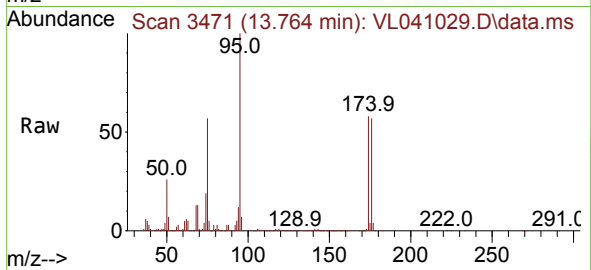
Tgt Ion: 95 Resp: 1645296

Ion Ratio Lower Upper

95 100

174 61.6 49.1 73.7

175 4.5 3.7 5.5



#71

2-Chlorotoluene

Concen: 0.039 ppbv

RT: 14.789 min Scan# 3790

Delta R.T. 0.003 min

Lab File: VL041029.D

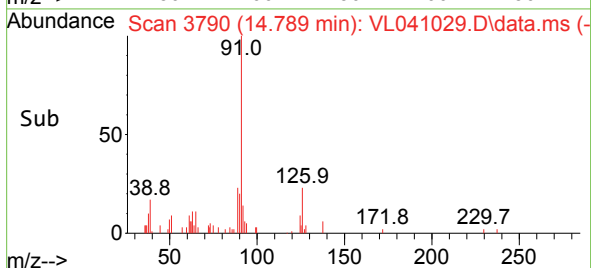
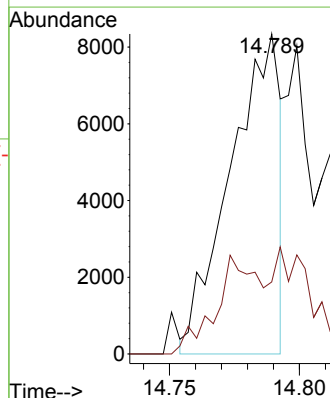
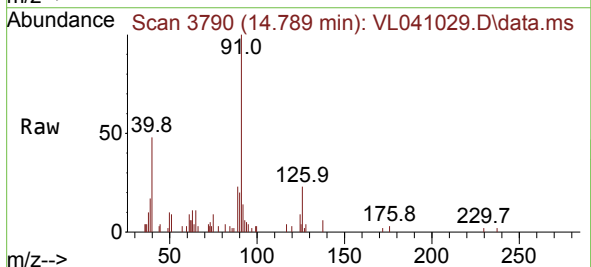
Acq: 25 Jan 2024 14:39

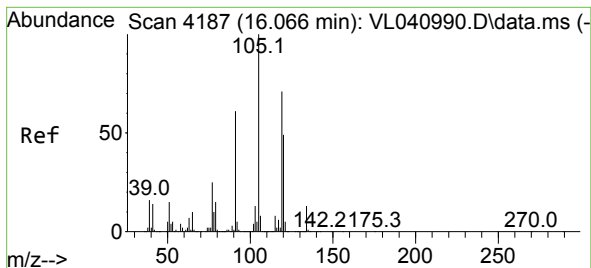
Tgt Ion: 91 Resp: 11105

Ion Ratio Lower Upper

91 100

126 58.6 12.3 49.1#





#74

1,2,4-Trimethylbenzene

Concen: 0.026 ppbv

RT: 16.101 min Scan# 4187

Delta R.T. 0.006 min

Lab File: VL041029.D

Acq: 25 Jan 2024 14:39

Instrument :

MSVOA_L

ClientSampleId :

Tgt Ion:105 Resp: 7245

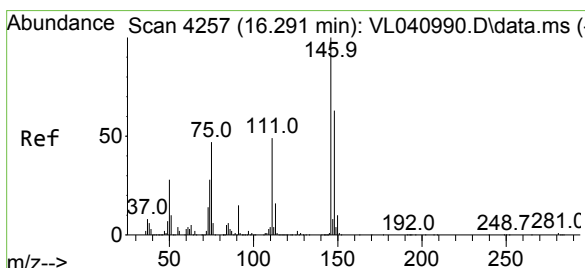
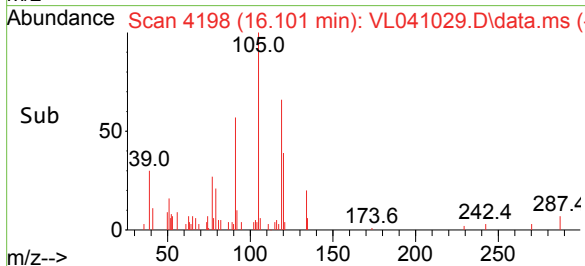
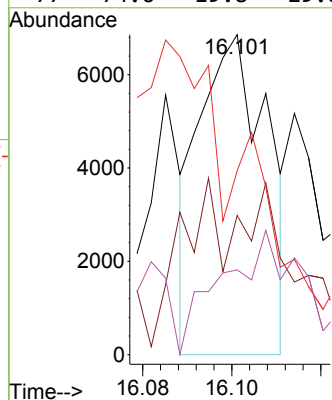
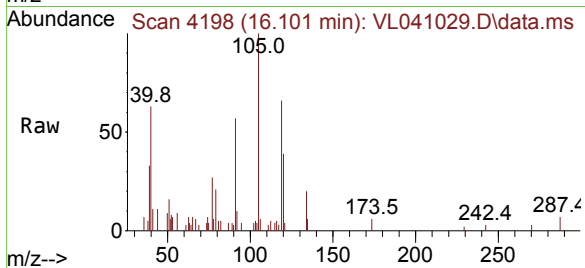
Ion Ratio Lower Upper

105 100

120 30.2 39.3 58.9#

91 68.9 48.7 73.1

77 74.6 19.8 29.8#



#75

1,3-Dichlorobenzene

Concen: 0.022 ppbv

RT: 16.323 min Scan# 4267

Delta R.T. 0.006 min

Lab File: VL041029.D

Acq: 25 Jan 2024 14:39

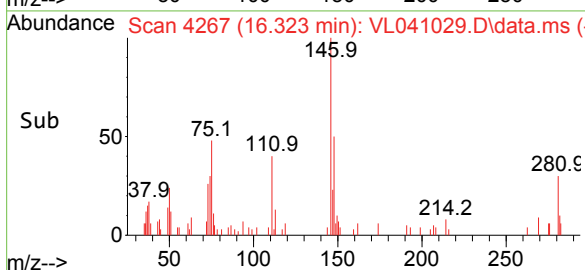
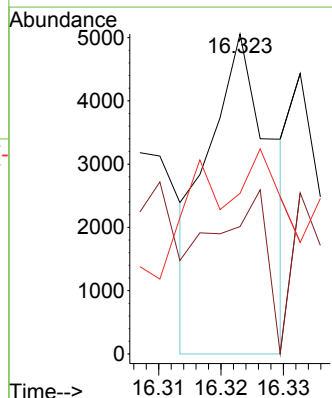
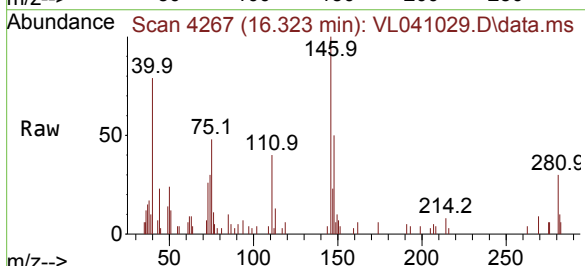
Tgt Ion:146 Resp: 3555

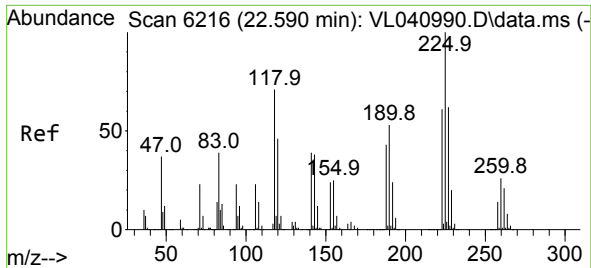
Ion Ratio Lower Upper

146 100

111 0.0 24.4 73.2#

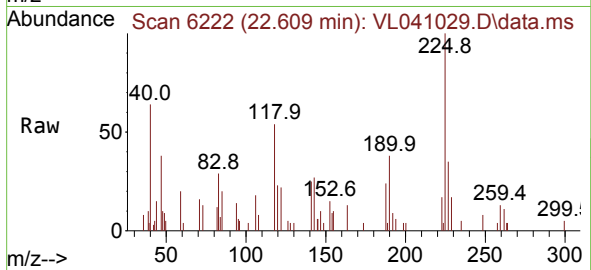
148 240.3 32.5 97.4#





#78
 Hexachloro-1,3-Butadiene
 Concen: 0.035 ppbv
 RT: 22.609 min Scan# 61
 Delta R.T. -0.007 min
 Lab File: VL041029.D
 Acq: 25 Jan 2024 14:39

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion:	225	Resp:	3511
Ion Ratio	Lower	Upper	
225	100		
223	0.0	51.1	76.7#
227	0.0	51.0	76.4#

