

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021524\
 Data File : VL041074.D
 Acq On : 15 Feb 2024 16:49
 Operator : SY/MD
 Sample : P1490-01DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Quant Time: Feb 16 04:10:30 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 Feb 16 04:05:22 2024
 Response via : Initial Calibration

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

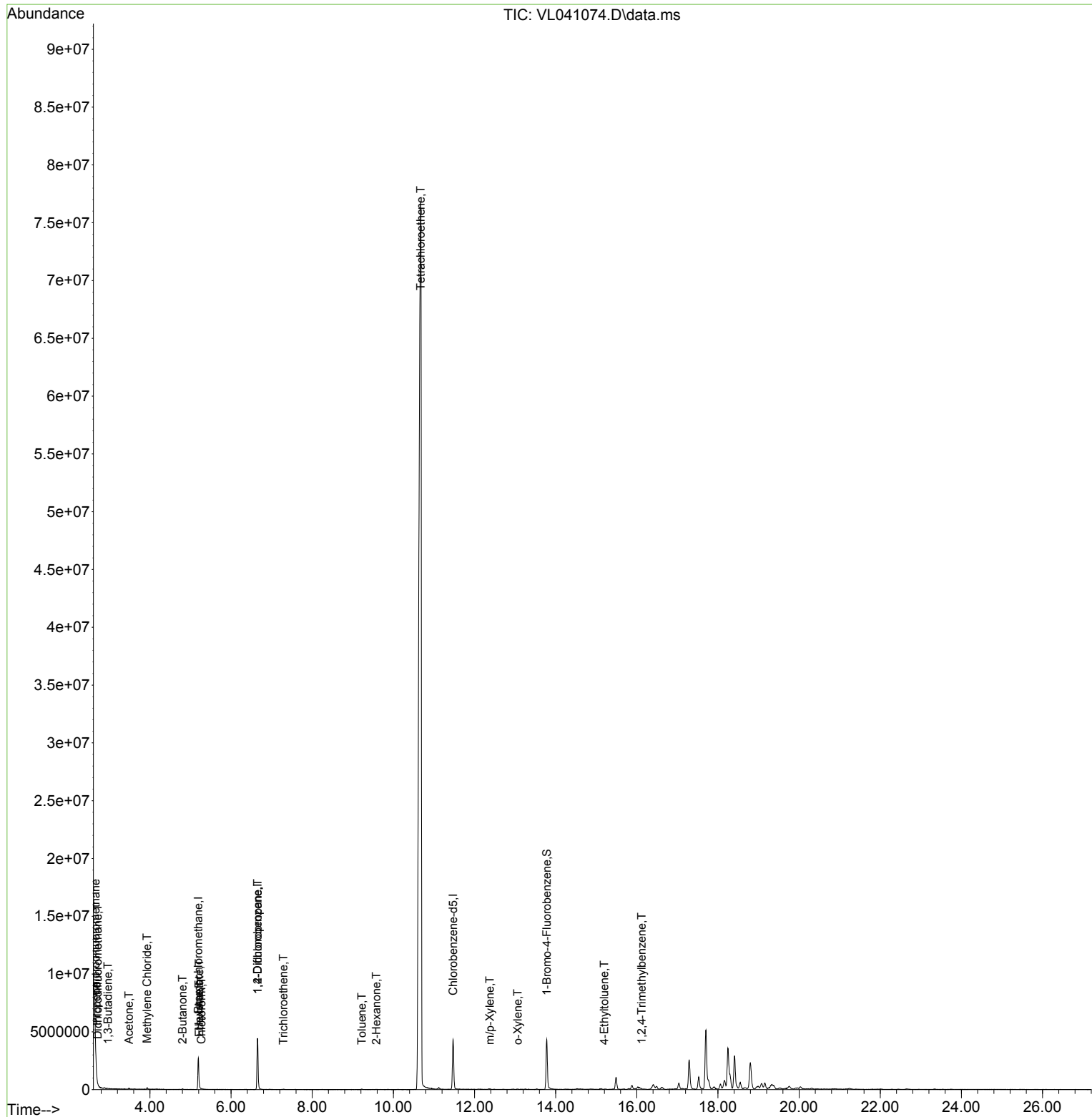
Internal Standards						
1) Bromochloromethane	5.192	49	1255368	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.652	114	3405584	10.000	ppbv	0.01
55) Chlorobenzene-d5	11.471	117	2910608	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.780	95	2257477	10.269	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	= 102.700%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.716	85	6236	0.022	ppbv #	83
3) Chlorodifluoromethane	2.658	51	28952	0.137	ppbv	97
9) Propene	2.681	41	2377	0.034	ppbv #	1
15) Acetone	3.485	43	79068	0.493	ppbv #	80
16) 1,3-Butadiene	2.964	39	3403	0.044	ppbv #	10
20) Methylene Chloride	3.928	84	27656	0.448	ppbv #	89
25) Ethyl Acetate	5.214	43	40110	0.138	ppbv #	81
26) Hexane	5.208	57	24087	0.194	ppbv #	1
29) Chloroform	5.272	83	10430	0.047	ppbv #	82
34) 2-Butanone	4.803	43	70516	0.435	ppbv	95
38) Trichloroethene	7.291	130	2374	0.021	ppbv #	33
39) 1,2-Dichloropropane	6.652	63	805298	7.268	ppbv #	23
51) 2-Hexanone	9.581	43	8693	0.042	ppbv #	88
52) Tetrachloroethene	10.674	164	33076230	354.120	ppbv	87
53) Toluene	9.221	91	17033	0.055	ppbv #	26
59) m/p-Xylene	12.381	91	10503	0.031	ppbv #	32
60) o-Xylene	13.066	91	8047	0.025	ppbv #	31
72) 4-Ethyltoluene	15.201	105	7742	0.021	ppbv #	61
74) 1,2,4-Trimethylbenzene	16.121	105	10492	0.029	ppbv #	63

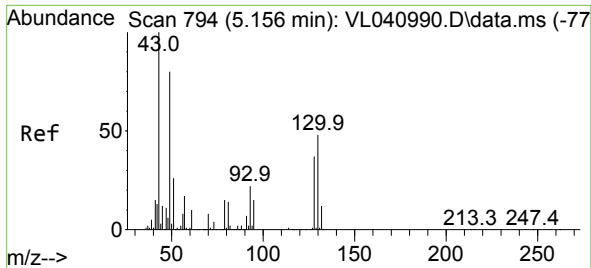
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021524\
Data File : VL041074.D
Acq On : 15 Feb 2024 16:49
Operator : SY/MD
Sample : P1490-01DL 20X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Quant Time: Feb 16 04:10:30 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 Feb 16 04:05:22 2024
Response via : Initial Calibration

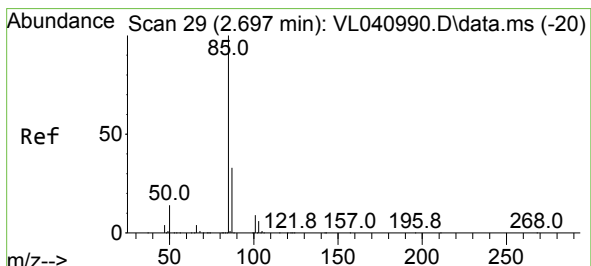
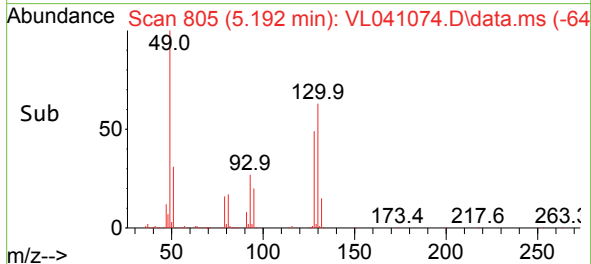
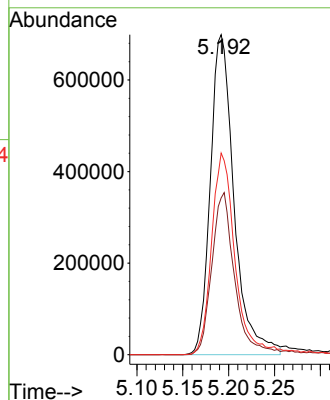
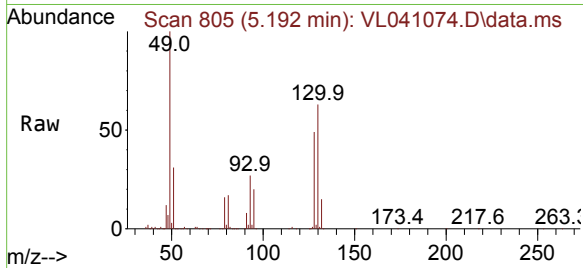




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.192 min Scan# 80
 Delta R.T. 0.016 min
 Lab File: VL041074.D
 Acq: 15 Feb 2024 16:49

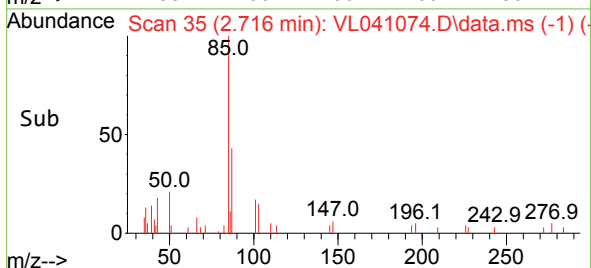
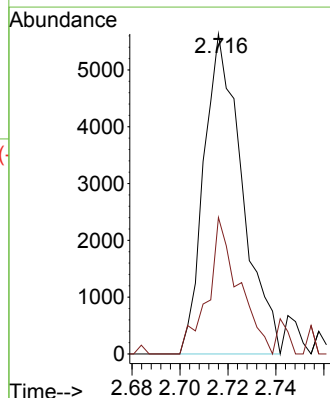
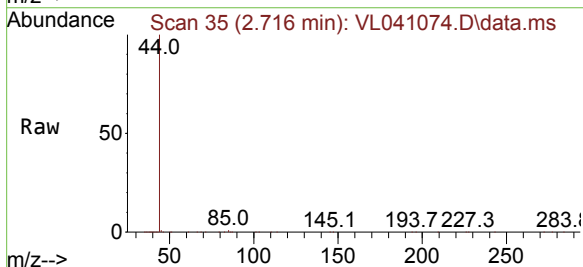
Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

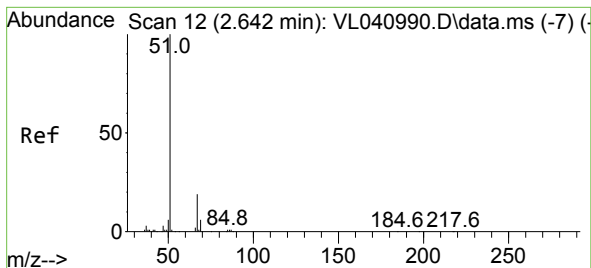
Tgt Ion: 49 Resp: 1255368
 Ion Ratio Lower Upper
 49 100
 128 50.1 23.9 71.7
 130 63.6 31.1 93.5



#2
 Dichlorodifluoromethane
 Concen: 0.022 ppbv
 RT: 2.716 min Scan# 35
 Delta R.T. 0.010 min
 Lab File: VL041074.D
 Acq: 15 Feb 2024 16:49

Tgt Ion: 85 Resp: 6236
 Ion Ratio Lower Upper
 85 100
 87 42.7 26.3 39.5

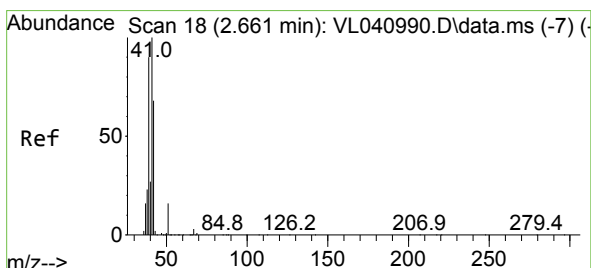
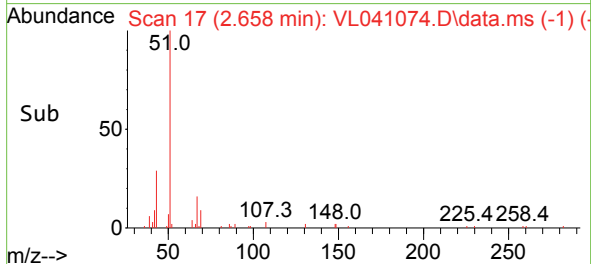
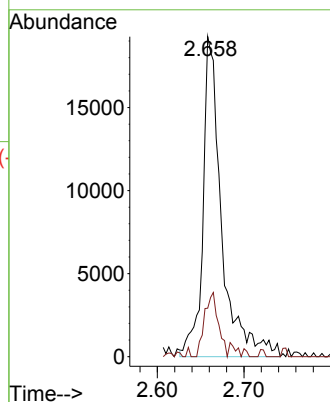
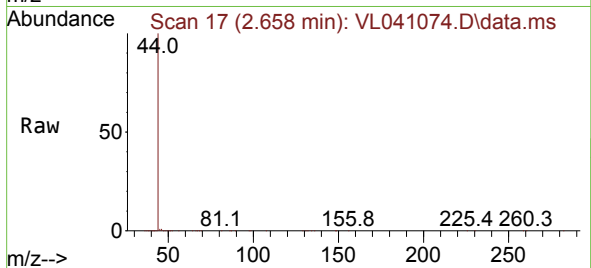




#3
Chlorodifluoromethane
Concen: 0.137 ppbv
RT: 2.658 min Scan# 11
Delta R.T. 0.006 min
Lab File: VL041074.D
Acq: 15 Feb 2024 16:49

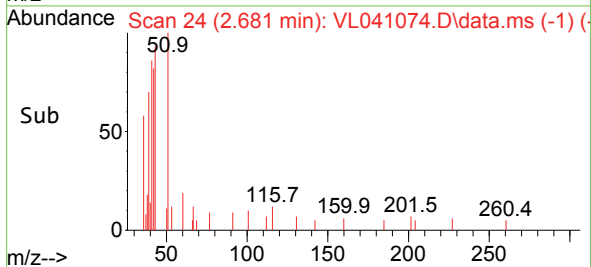
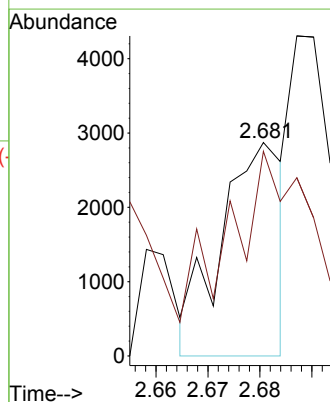
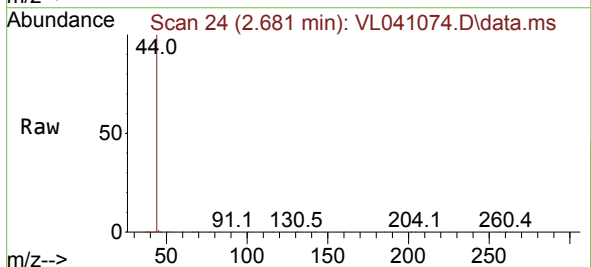
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

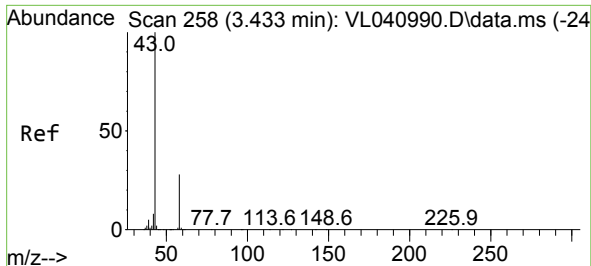
Tgt Ion: 51 Resp: 28952
Ion Ratio Lower Upper
51 100
67 17.1 14.8 22.2



#9
Propene
Concen: 0.034 ppbv
RT: 2.681 min Scan# 24
Delta R.T. 0.010 min
Lab File: VL041074.D
Acq: 15 Feb 2024 16:49

Tgt Ion: 41 Resp: 2377
Ion Ratio Lower Upper
41 100
42 321.5 59.0 88.4#





#15

Acetone

Concen: 0.493 ppbv

RT: 3.485 min Scan# 21

Delta R.T. 0.039 min

Lab File: VL041074.D

Acq: 15 Feb 2024 16:49

Instrument :

MSVOA_L

ClientSampleId :

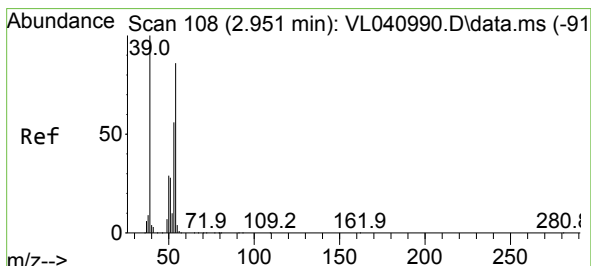
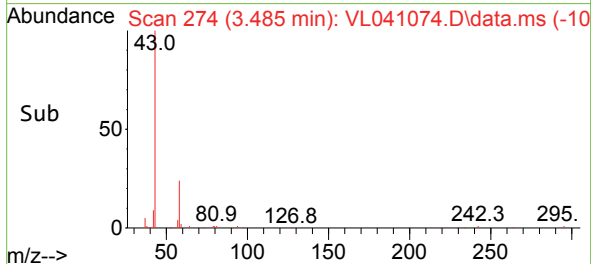
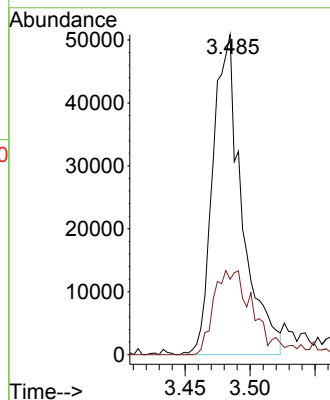
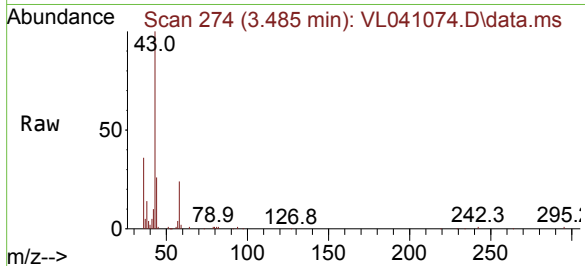
SV1DL

Tgt Ion: 43 Resp: 79068

Ion Ratio Lower Upper

43 100

58 38.3 22.2 33.2#



#16

1,3-Butadiene

Concen: 0.044 ppbv

RT: 2.964 min Scan# 112

Delta R.T. 0.000 min

Lab File: VL041074.D

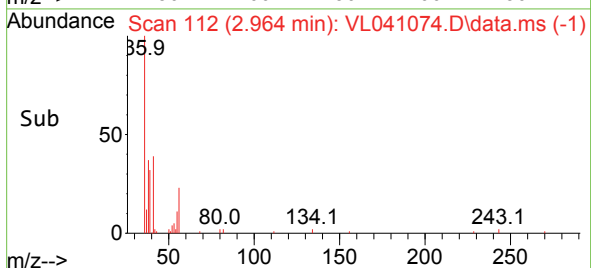
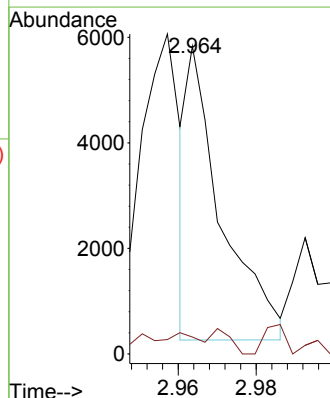
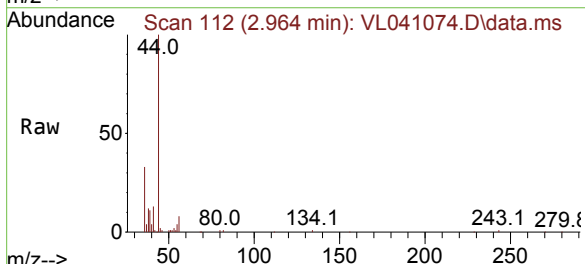
Acq: 15 Feb 2024 16:49

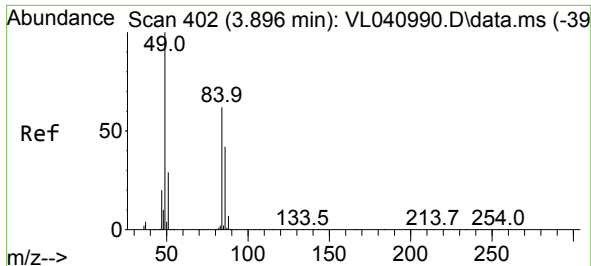
Tgt Ion: 39 Resp: 3403

Ion Ratio Lower Upper

39 100

54 0.0 62.7 94.1#

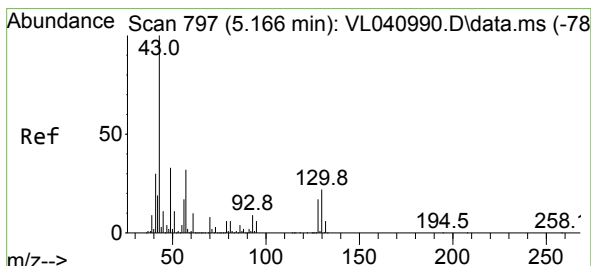
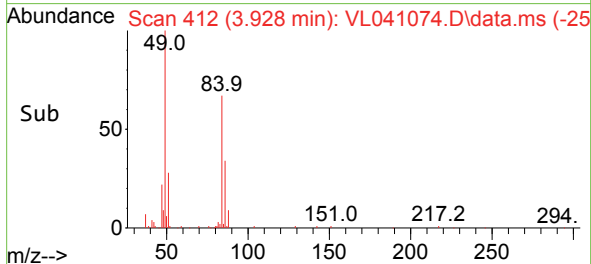
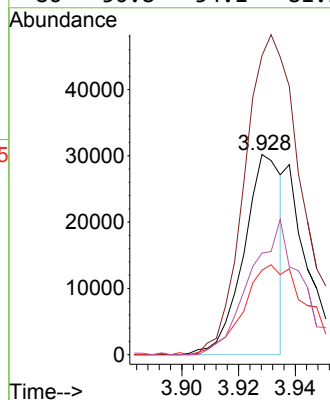
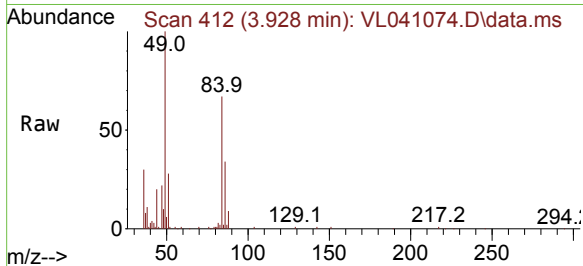




#20
Methylene Chloride
Concen: 0.448 ppbv
RT: 3.928 min Scan# 412
Delta R.T. 0.016 min
Lab File: VL041074.D
Acq: 15 Feb 2024 16:49

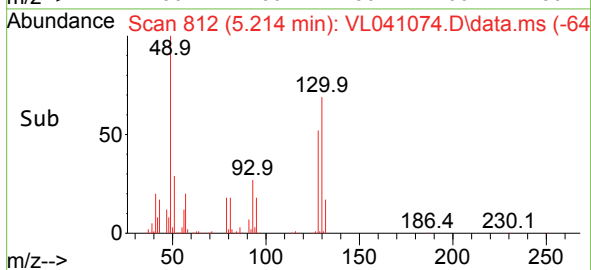
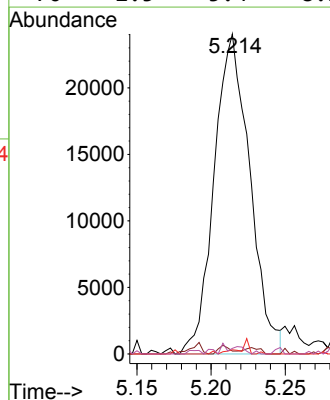
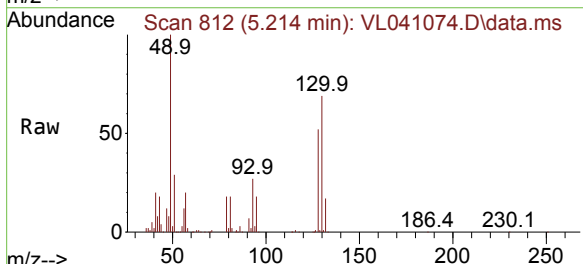
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

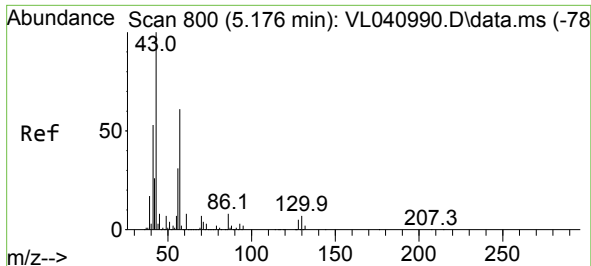
Tgt Ion: 84 Resp: 27656
Ion Ratio Lower Upper
84 100
49 149.3 128.1 192.1
51 41.1 36.5 54.7
86 50.8 54.1 81.1#



#25
Ethyl Acetate
Concen: 0.138 ppbv
RT: 5.214 min Scan# 812
Delta R.T. 0.029 min
Lab File: VL041074.D
Acq: 15 Feb 2024 16:49

Tgt Ion: 43 Resp: 40110
Ion Ratio Lower Upper
43 100
45 3.0 8.2 12.4#
61 1.3 7.9 11.9#
70 2.5 5.4 8.2#

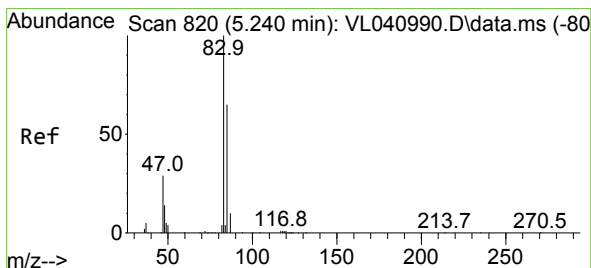
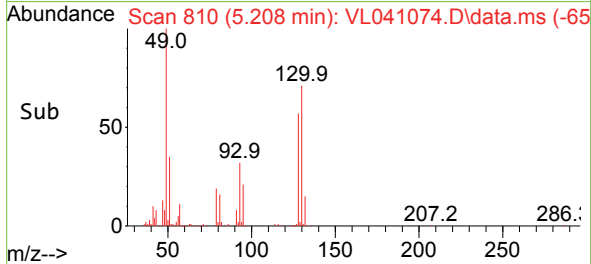
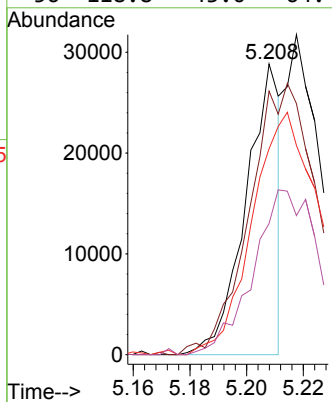
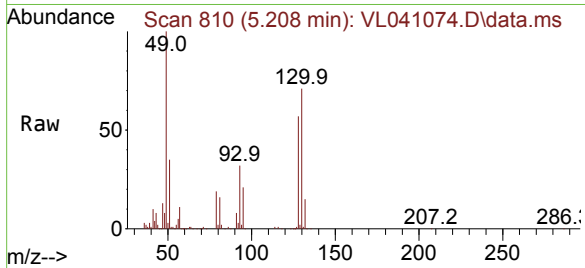




#26
Hexane
Concen: 0.194 ppbv
RT: 5.208 min Scan# 81
Delta R.T. 0.013 min
Lab File: VL041074.D
Acq: 15 Feb 2024 16:49

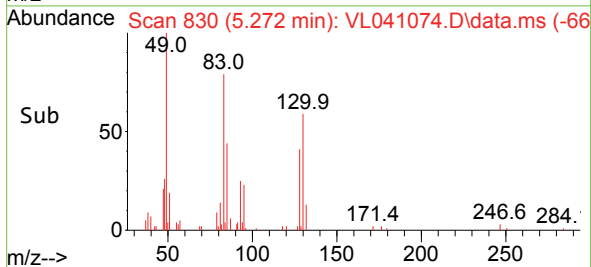
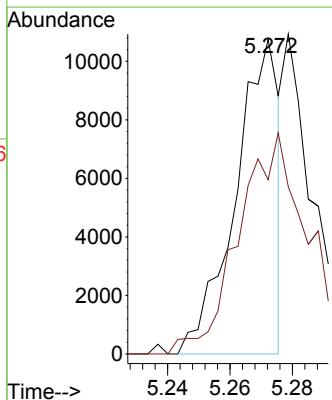
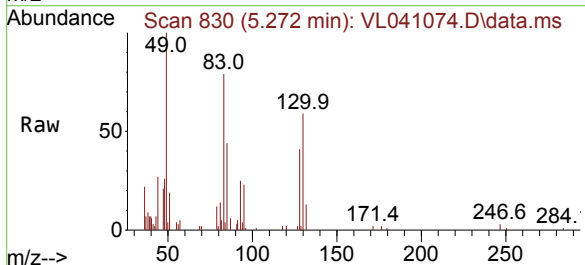
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

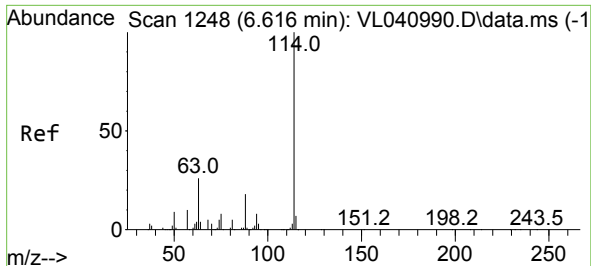
Tgt Ion: 57 Resp: 24087
Ion Ratio Lower Upper
57 100
41 0.0 74.4 111.6#
43 0.0 190.6 285.8#
56 118.8 43.0 64.4#



#29
Chloroform
Concen: 0.047 ppbv
RT: 5.272 min Scan# 830
Delta R.T. 0.016 min
Lab File: VL041074.D
Acq: 15 Feb 2024 16:49

Tgt Ion: 83 Resp: 10430
Ion Ratio Lower Upper
83 100
85 50.7 51.6 77.4#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.652 min Scan# 1

Delta R.T. 0.013 min

Lab File: VL041074.D

Acq: 15 Feb 2024 16:49

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

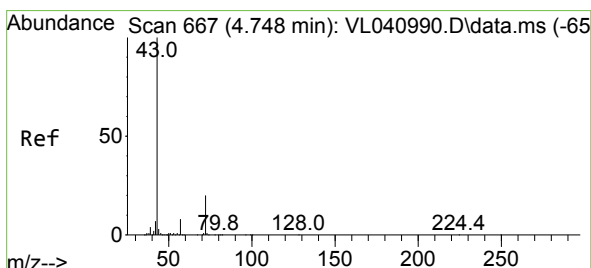
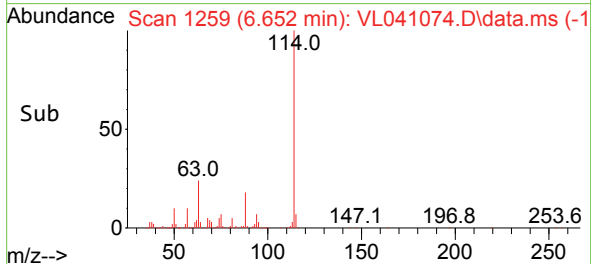
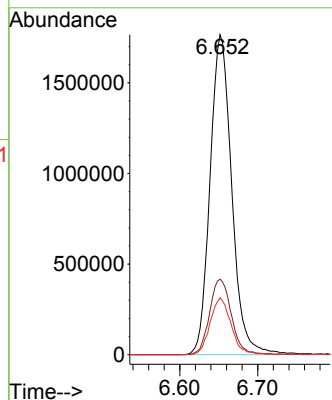
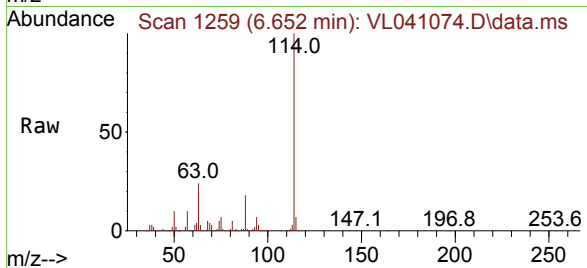
Tgt Ion:114 Resp: 3405584

Ion Ratio Lower Upper

114 100

63 23.9 20.8 31.2

88 17.3 14.3 21.5



#34

2-Butanone

Concen: 0.435 ppbv

RT: 4.803 min Scan# 684

Delta R.T. 0.035 min

Lab File: VL041074.D

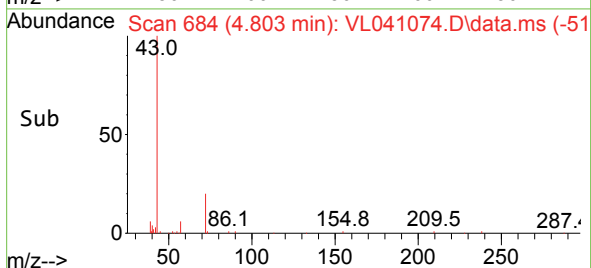
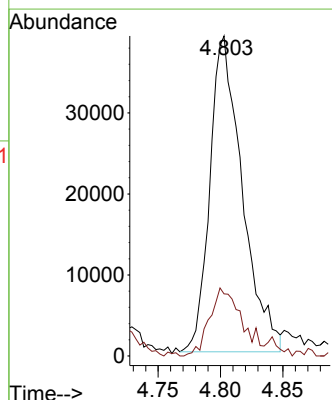
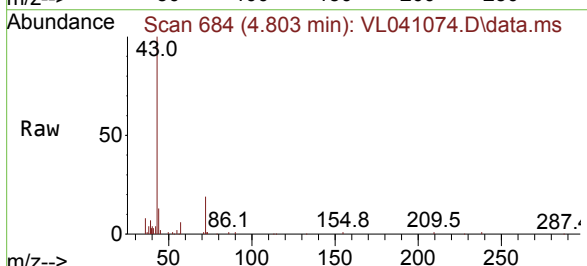
Acq: 15 Feb 2024 16:49

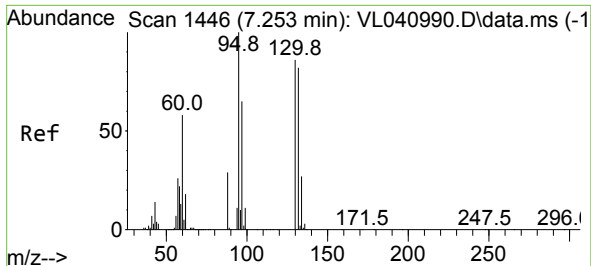
Tgt Ion: 43 Resp: 70516

Ion Ratio Lower Upper

43 100

72 24.5 17.5 26.3

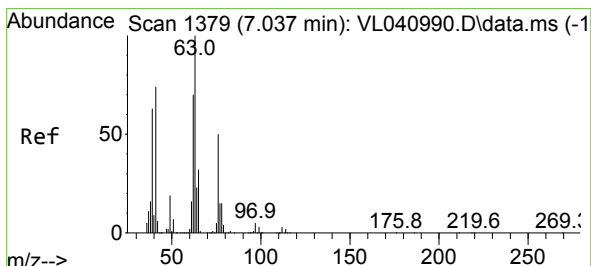
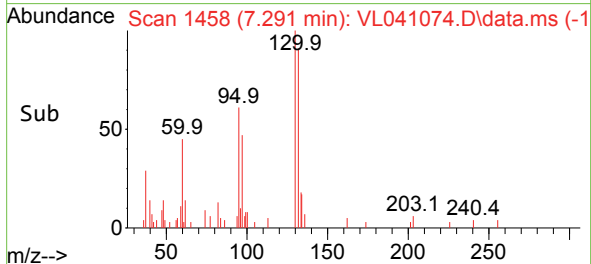
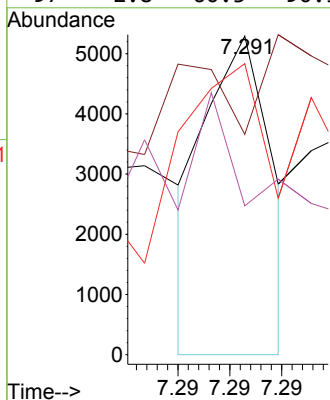
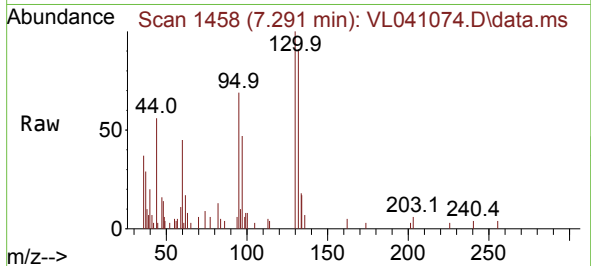




#38
 Trichloroethene
 Concen: 0.021 ppbv
 RT: 7.291 min Scan# 1446
 Delta R.T. 0.016 min
 Lab File: VL041074.D
 Acq: 15 Feb 2024 16:49

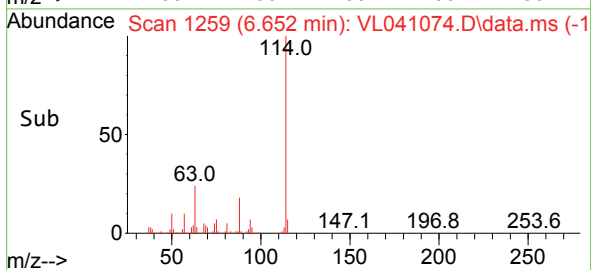
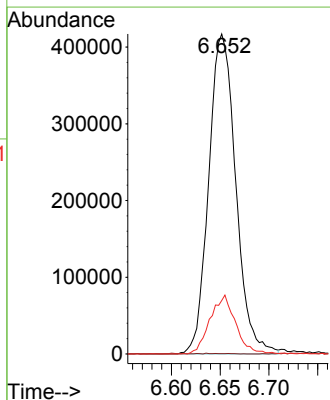
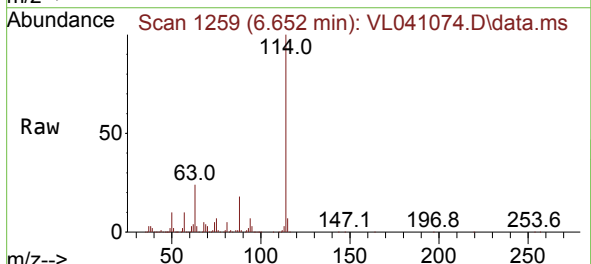
Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

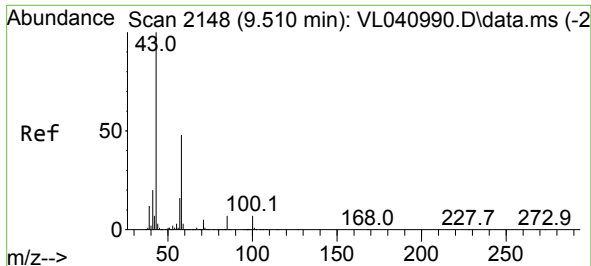
Tgt Ion:	130	Resp:	2374
Ion	Ratio	Lower	Upper
130	100		
95	0.0	92.9	139.3#
132	90.3	76.2	114.2
97	2.8	60.3	90.5#



#39
 1,2-Dichloropropane
 Concen: 7.268 ppbv
 RT: 6.652 min Scan# 1259
 Delta R.T. -0.405 min
 Lab File: VL041074.D
 Acq: 15 Feb 2024 16:49

Tgt Ion:	63	Resp:	805298
Ion	Ratio	Lower	Upper
63	100		
41	0.0	59.6	89.4#
62	16.7	55.6	83.4#

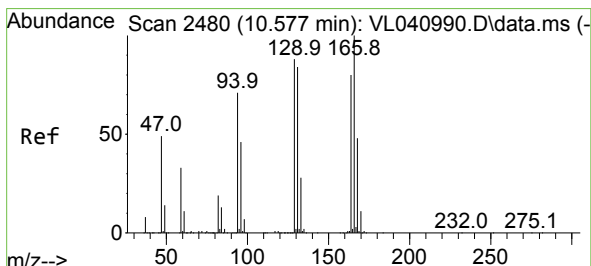
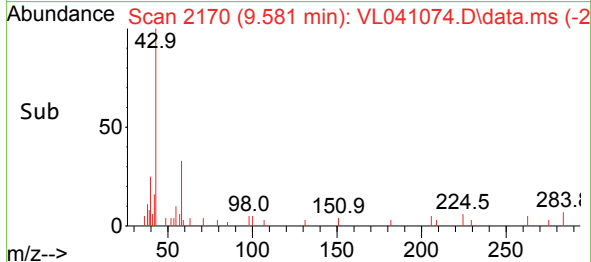
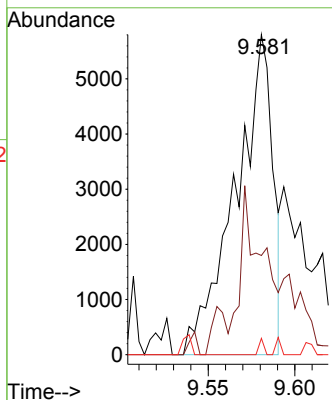
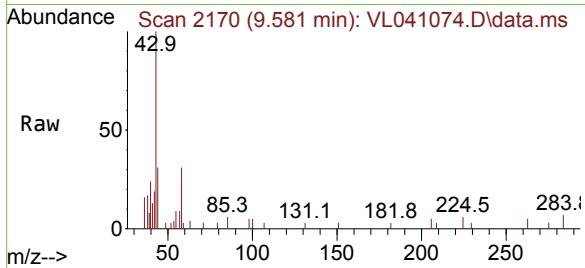




#51
2-Hexanone
Concen: 0.042 ppbv
RT: 9.581 min Scan# 2148
Delta R.T. 0.042 min
Lab File: VL041074.D
Acq: 15 Feb 2024 16:49

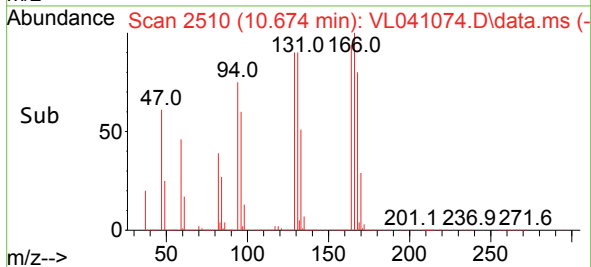
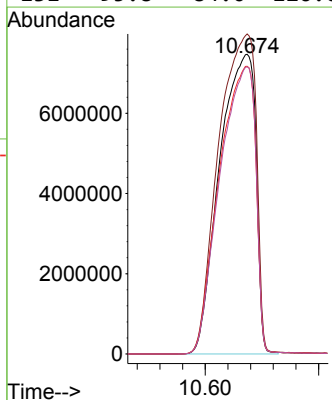
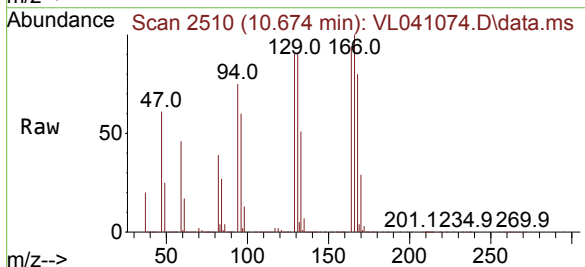
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

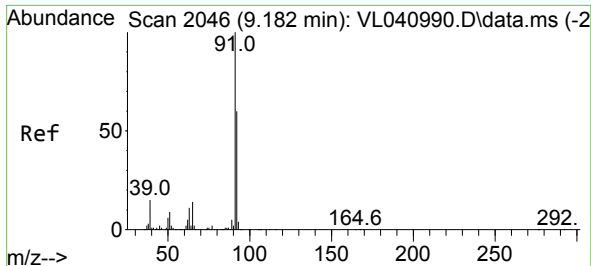
Tgt Ion: 43 Resp: 8693
Ion Ratio Lower Upper
43 100
58 53.9 36.8 55.2
98 0.0 0.3 0.5#



#52
Tetrachloroethene
Concen: 354.120 ppbv
RT: 10.674 min Scan# 2510
Delta R.T. 0.074 min
Lab File: VL041074.D
Acq: 15 Feb 2024 16:49

Tgt Ion: 164 Resp: 33076230
Ion Ratio Lower Upper
164 100
166 106.8 100.2 150.2
129 96.0 87.9 131.9
131 95.8 84.0 126.0

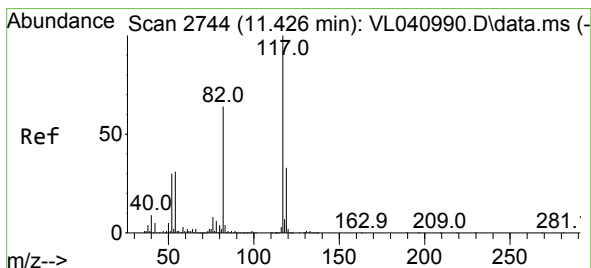
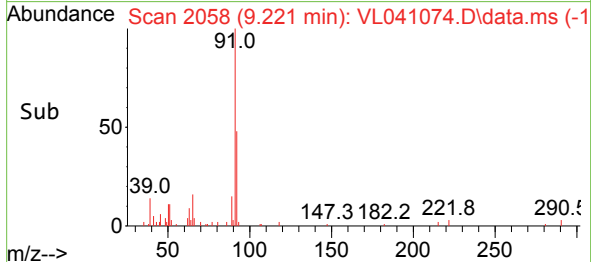
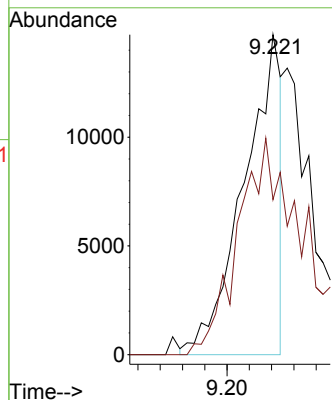
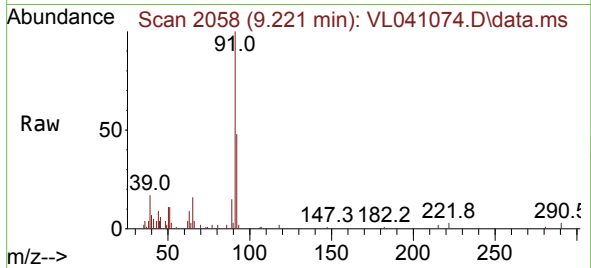




#53
Toluene
Concen: 0.055 ppbv
RT: 9.221 min Scan# 2046
Delta R.T. 0.016 min
Lab File: VL041074.D
Acq: 15 Feb 2024 16:49

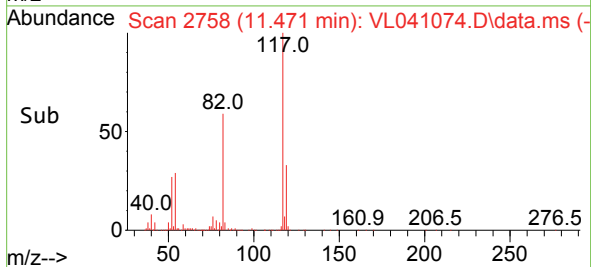
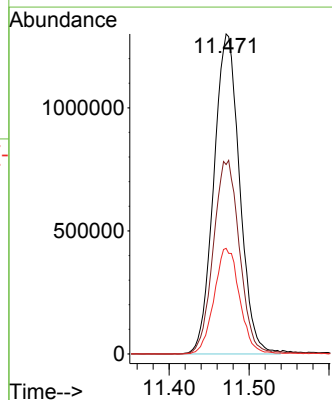
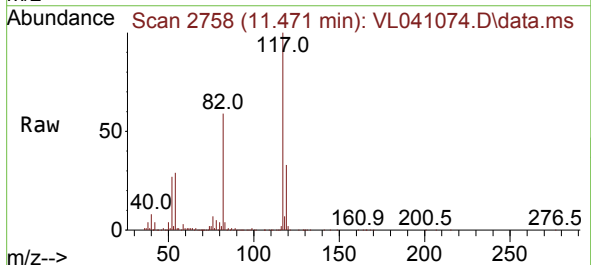
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

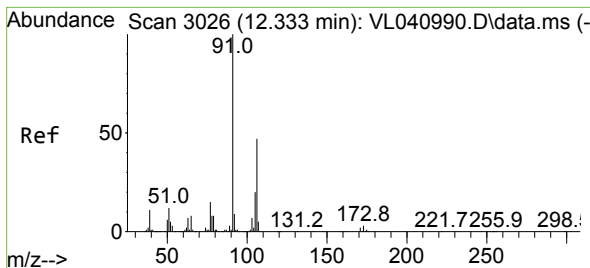
Tgt Ion: 91 Resp: 17033
Ion Ratio Lower Upper
91 100
92 117.0 48.6 72.8#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.471 min Scan# 2758
Delta R.T. 0.019 min
Lab File: VL041074.D
Acq: 15 Feb 2024 16:49

Tgt Ion: 117 Resp: 2910608
Ion Ratio Lower Upper
117 100
82 62.2 51.7 77.5
119 33.0 23.8 35.6

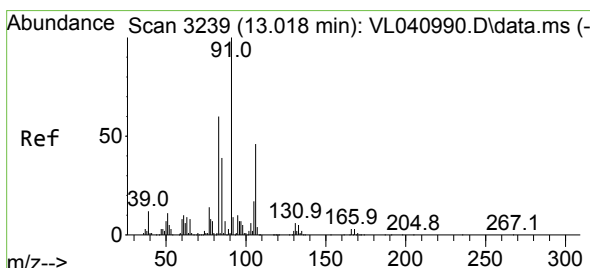
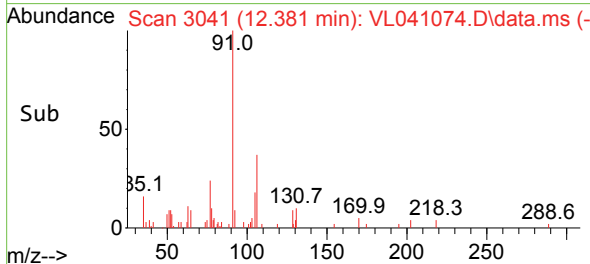
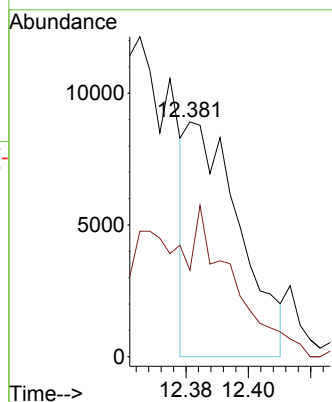
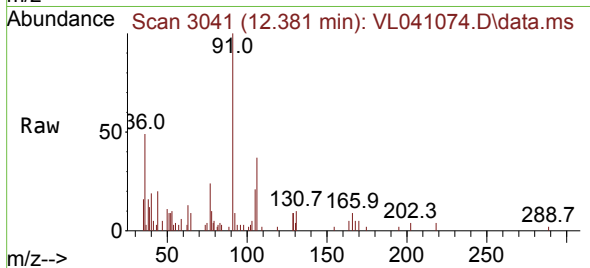




#59
m/p-Xylene
Concen: 0.031 ppbv
RT: 12.381 min Scan# 3026
Delta R.T. 0.023 min
Lab File: VL041074.D
Acq: 15 Feb 2024 16:49

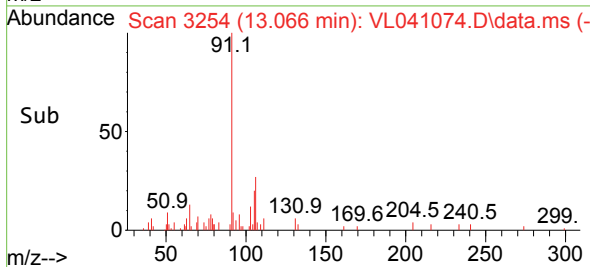
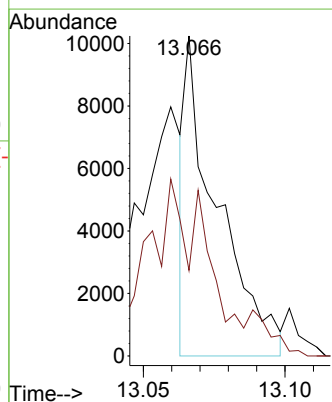
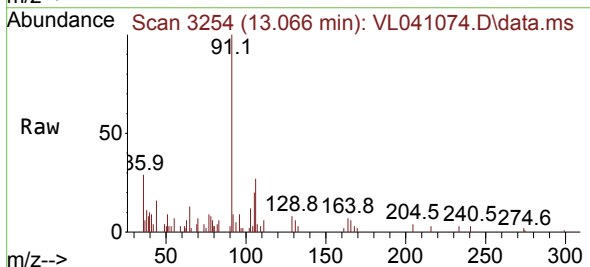
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

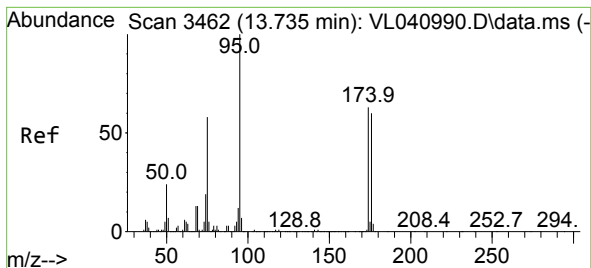
Tgt Ion: 91 Resp: 10503
Ion Ratio Lower Upper
91 100
106 0.0 34.9 52.3#



#60
o-Xylene
Concen: 0.025 ppbv
RT: 13.066 min Scan# 3254
Delta R.T. 0.023 min
Lab File: VL041074.D
Acq: 15 Feb 2024 16:49

Tgt Ion: 91 Resp: 8047
Ion Ratio Lower Upper
91 100
106 0.0 22.6 67.7#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.269 ppbv

RT: 13.780 min Scan# 3462

Delta R.T. 0.019 min

Lab File: VL041074.D

Acq: 15 Feb 2024 16:49

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

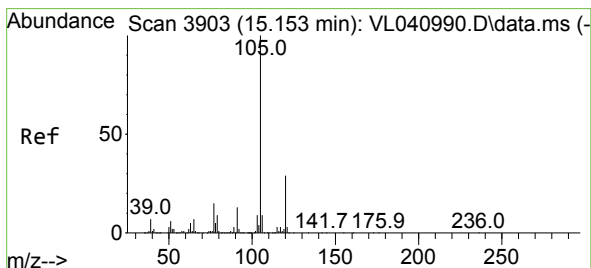
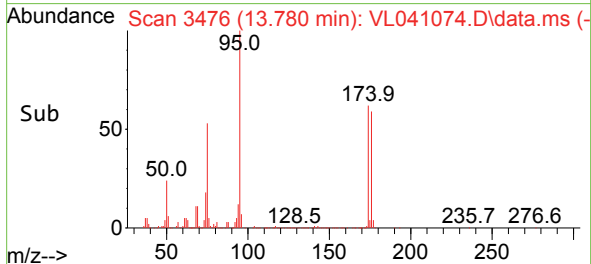
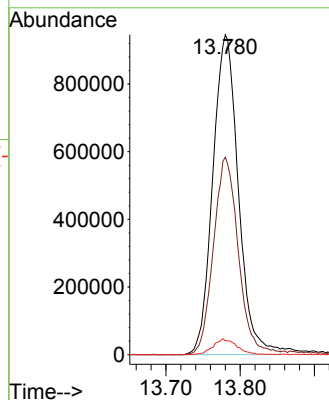
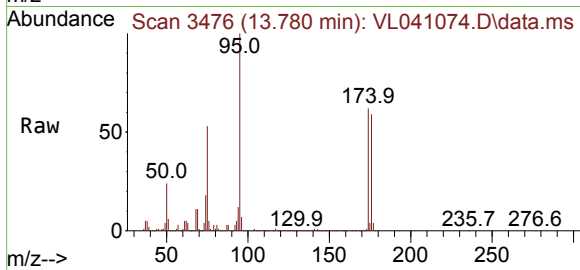
Tgt Ion: 95 Resp: 2257477

Ion Ratio Lower Upper

95 100

174 61.8 49.1 73.7

175 4.7 3.7 5.5



#72

4-Ethyltoluene

Concen: 0.021 ppbv

RT: 15.201 min Scan# 3918

Delta R.T. 0.023 min

Lab File: VL041074.D

Acq: 15 Feb 2024 16:49

Tgt Ion: 105 Resp: 7742

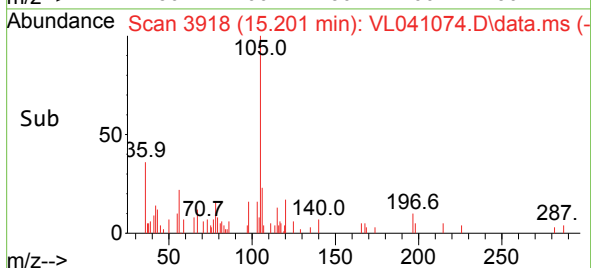
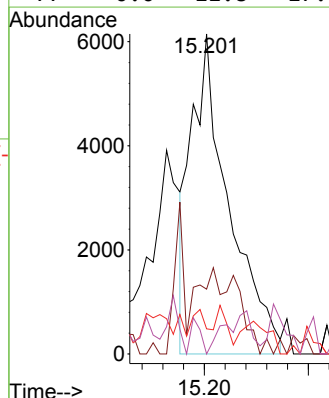
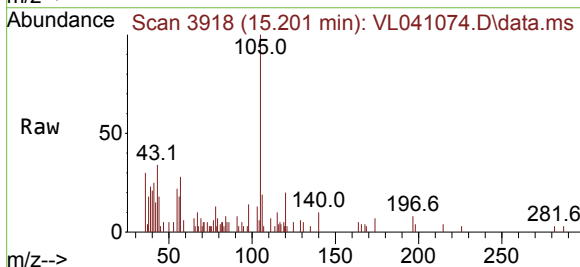
Ion Ratio Lower Upper

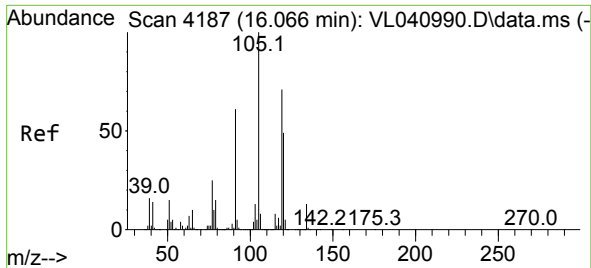
105 100

120 0.0 24.3 36.5#

91 15.8 11.0 16.4

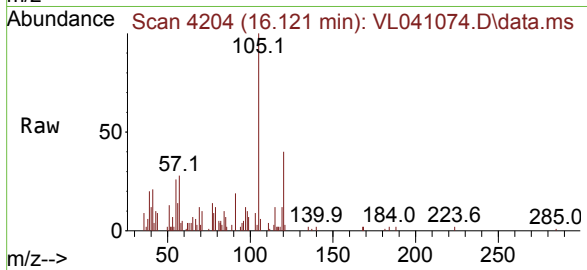
77 0.0 11.8 17.8#





#74
 1,2,4-Trimethylbenzene
 Concen: 0.029 ppbv
 RT: 16.121 min Scan# 4187
 Delta R.T. 0.023 min
 Lab File: VL041074.D
 Acq: 15 Feb 2024 16:49

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL



Tgt Ion:	105	Resp:	10492
Ion	Ratio	Lower	Upper
105	100		
120	39.4	39.3	58.9
91	15.3	48.7	73.1#
77	11.2	19.8	29.8#

