

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012324\
 Data File : VL041002.D
 Acq On : 23 Jan 2024 18:48
 Operator : SY/MD
 Sample : P1211-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

Quant Time: Jan 24 01:01:01 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 : Wed Jan 24 00:50:15 2024
 Response via : Initial Calibration

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

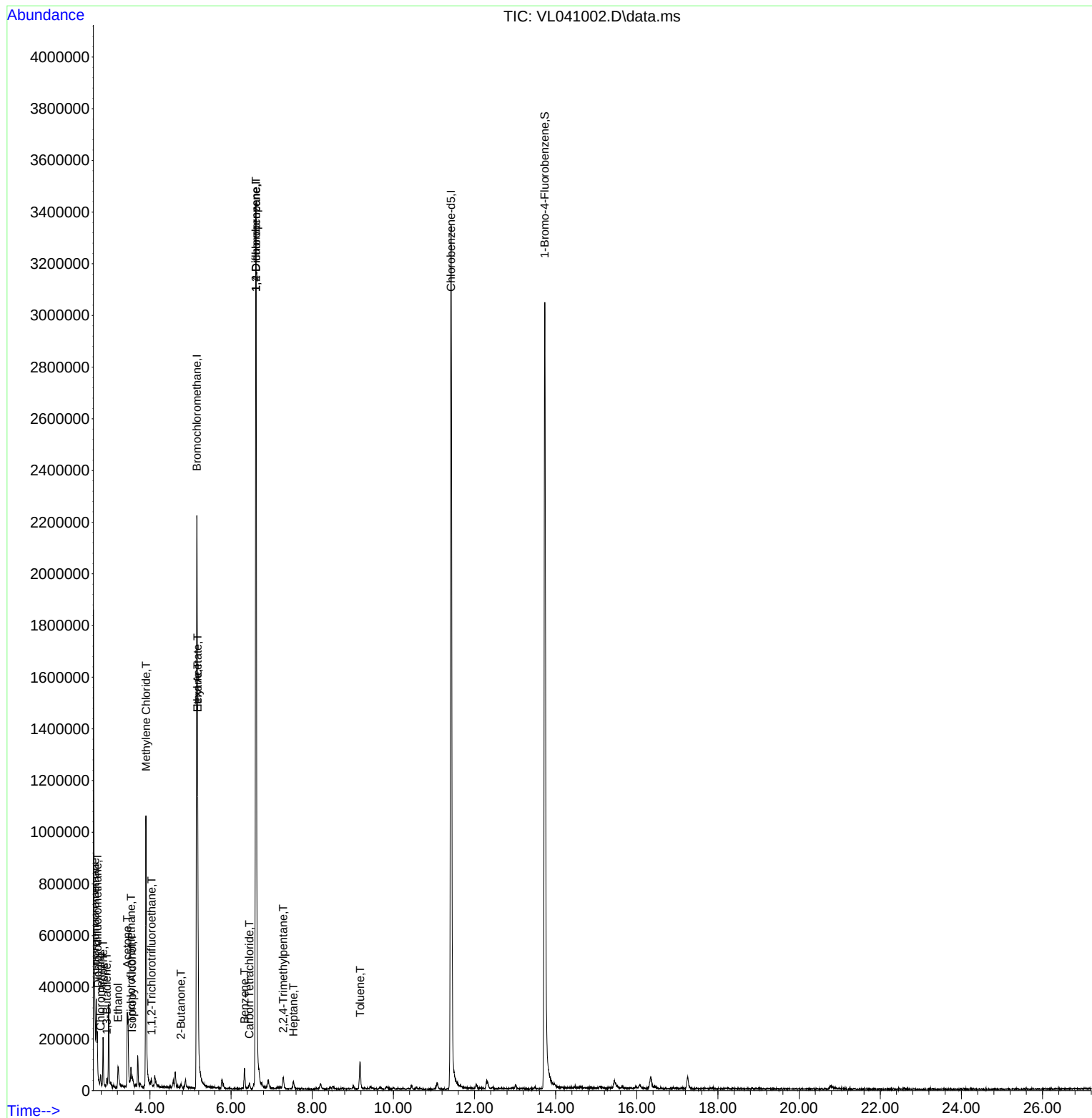
Internal Standards						
1) Bromochloromethane	5.156	49	1005393	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.613	114	2626233	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.420	117	2193879	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.732	95	1637695	9.883	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.703	85	105076	0.473	ppbv	95
3) Chlorodifluoromethane	2.648	51	41822	0.247	ppbv	97
4) Chloromethane	2.787	50	30615	0.483	ppbv	94
9) Propene	2.845	41	43386	0.782	ppbv	99
10) Heptane	7.539	43	6130	0.045	ppbv #	28
11) Trichlorofluoromethane	3.533	101	38333	0.214	ppbv	88
12) 1,1,2-Trichlorotrifluo...	4.038	101	7372	0.057	ppbv #	77
13) Ethanol	3.214	45	92636	7.008	ppbv	98
15) Acetone	3.443	43	345569	2.688	ppbv	95
16) 1,3-Butadiene	2.935	39	9797	0.159	ppbv #	57
19) Isopropyl Alcohol	3.562	45	32383	0.435	ppbv #	92
20) Methylene Chloride	3.902	84	360295	7.283	ppbv	94
25) Ethyl Acetate	5.176	43	191035	0.819	ppbv #	78
26) Hexane	5.176	57	263903	2.656	ppbv #	40
34) 2-Butanone	4.767	43	12328	0.099	ppbv #	67
35) Carbon Tetrachloride	6.452	117	7451	0.043	ppbv #	85
36) Benzene	6.333	78	30488	0.141	ppbv	96
39) 1,2-Dichloropropane	6.616	63	647974	7.584	ppbv #	24
44) 2,2,4-Trimethylpentane	7.282	57	16594	0.045	ppbv #	1
53) Toluene	9.179	91	72668	0.306	ppbv	99

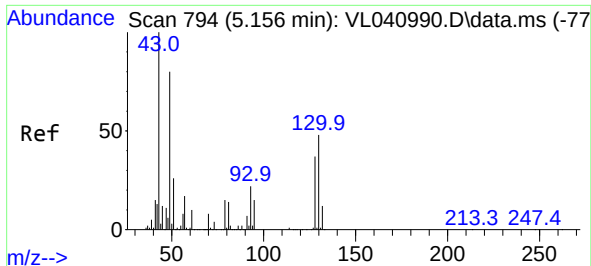
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012324\
Data File : VL041002.D
Acq On : 23 Jan 2024 18:48
Operator : SY/MD
Sample : P1211-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
OA1

Quant Time: Jan 24 01:01:01 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 : Wed Jan 24 00:50:15 2024
Response via : Initial Calibration

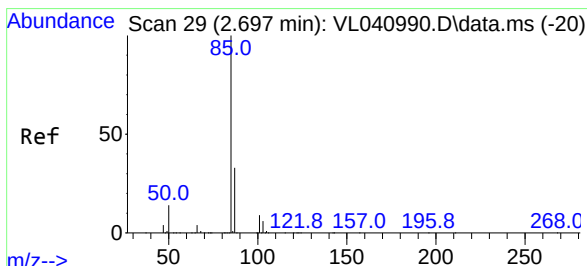
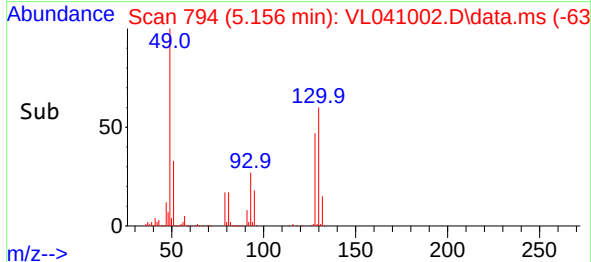
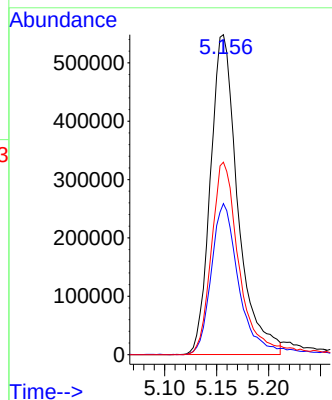
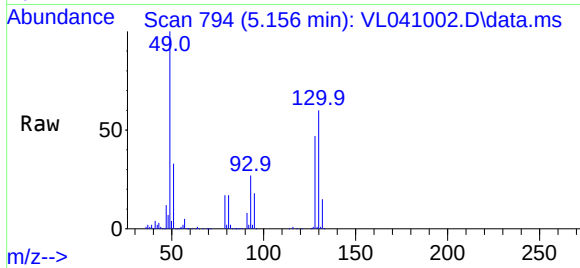




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.156 min Scan# 794
 Delta R.T. 0.000 min
 Lab File: VL041002.D
 Acq: 23 Jan 2024 18:48

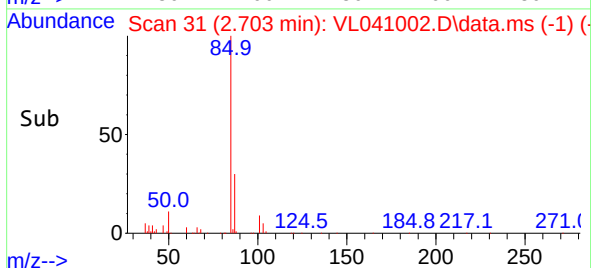
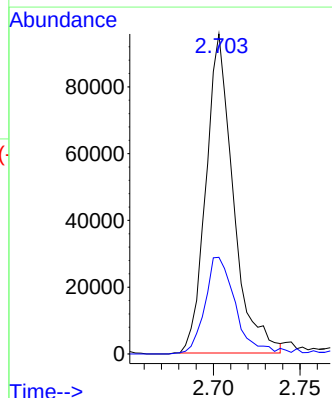
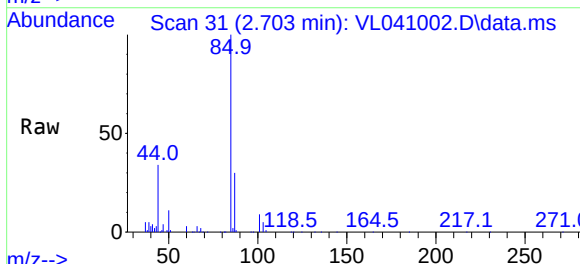
Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

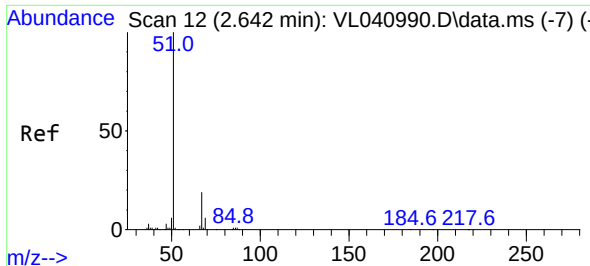
Tgt Ion: 49 Resp: 1005393
 Ion Ratio Lower Upper
 49 100
 128 48.6 23.9 71.7
 130 63.1 31.1 93.5



#2
 Dichlorodifluoromethane
 Concen: 0.473 ppbv
 RT: 2.703 min Scan# 31
 Delta R.T. 0.006 min
 Lab File: VL041002.D
 Acq: 23 Jan 2024 18:48

Tgt Ion: 85 Resp: 105076
 Ion Ratio Lower Upper
 85 100
 87 29.9 26.3 39.5

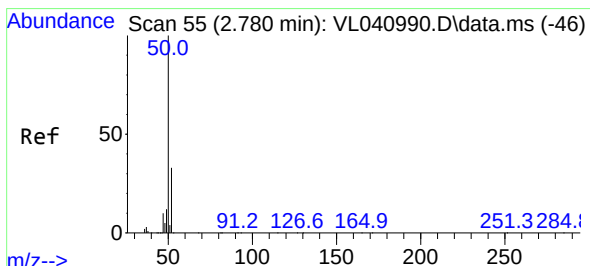
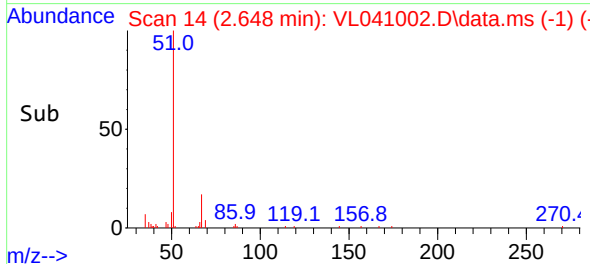
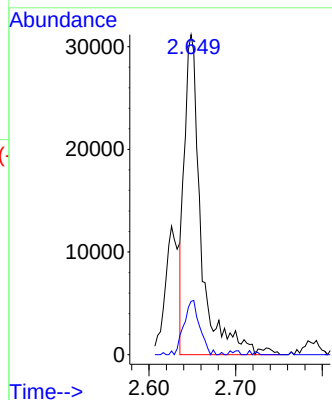
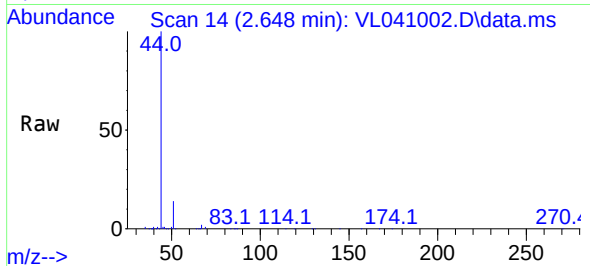




#3
Chlorodifluoromethane
Concen: 0.247 ppbv
RT: 2.648 min Scan# 14
Delta R.T. 0.006 min
Lab File: VL041002.D
Acq: 23 Jan 2024 18:48

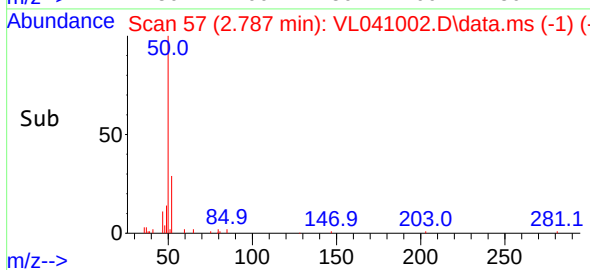
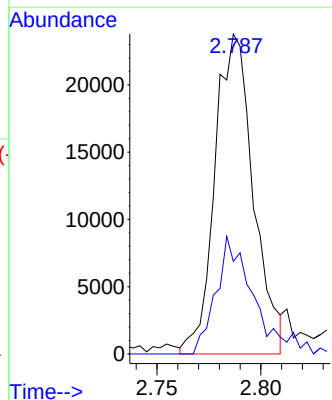
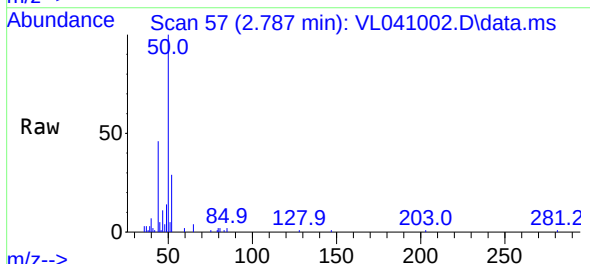
Instrument :
MSVOA_L
ClientSampleId :
OA1

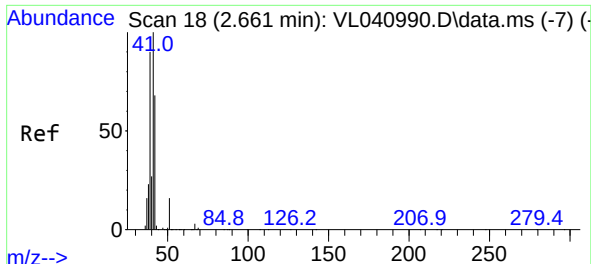
Tgt Ion: 51 Resp: 41822
Ion Ratio Lower Upper
51 100
67 17.0 14.8 22.2



#4
Chloromethane
Concen: 0.483 ppbv
RT: 2.787 min Scan# 57
Delta R.T. 0.006 min
Lab File: VL041002.D
Acq: 23 Jan 2024 18:48

Tgt Ion: 50 Resp: 30615
Ion Ratio Lower Upper
50 100
52 29.5 26.2 39.4

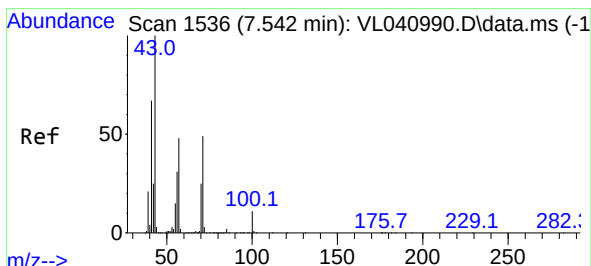
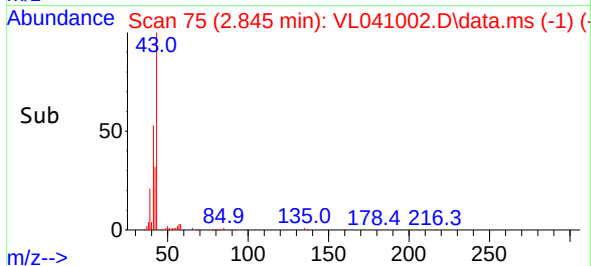
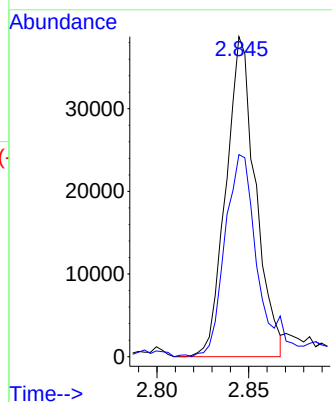
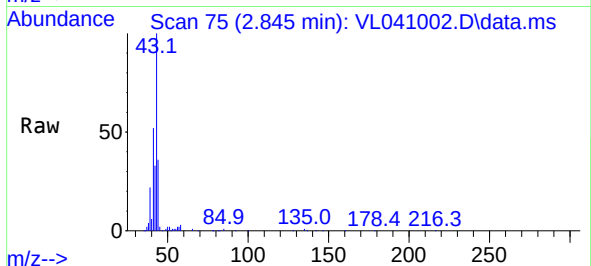




#9
Propene
Concen: 0.782 ppbv
RT: 2.845 min Scan# 71
Delta R.T. 0.183 min
Lab File: VL041002.D
Acq: 23 Jan 2024 18:48

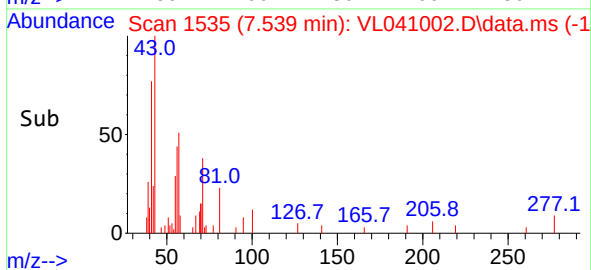
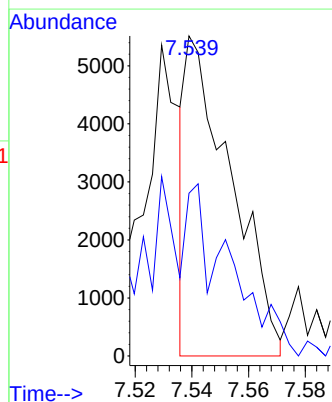
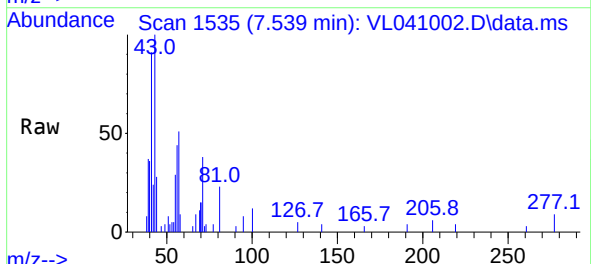
Instrument :
MSVOA_L
ClientSampleId :
OA1

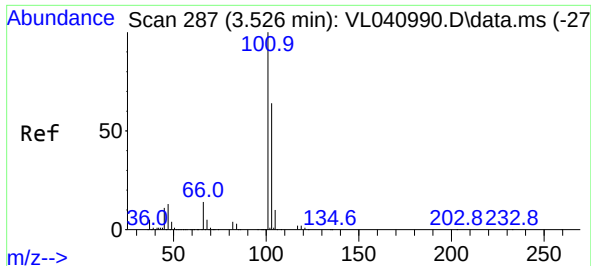
Tgt Ion: 41 Resp: 43386
Ion Ratio Lower Upper
41 100
42 74.9 59.0 88.4



#10
Heptane
Concen: 0.045 ppbv
RT: 7.539 min Scan# 1535
Delta R.T. -0.003 min
Lab File: VL041002.D
Acq: 23 Jan 2024 18:48

Tgt Ion: 43 Resp: 6130
Ion Ratio Lower Upper
43 100
57 0.0 39.4 59.2#

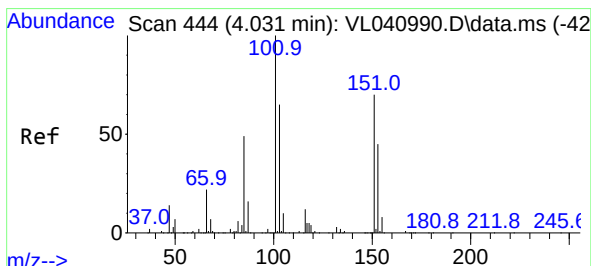
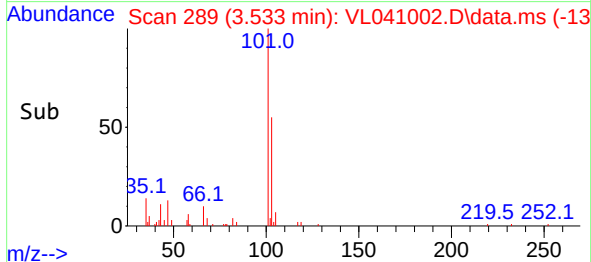
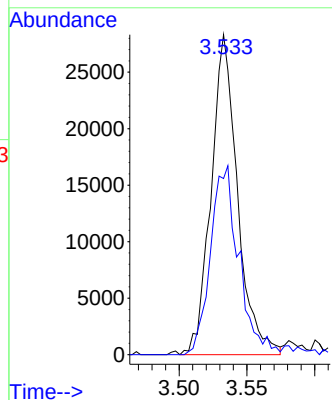
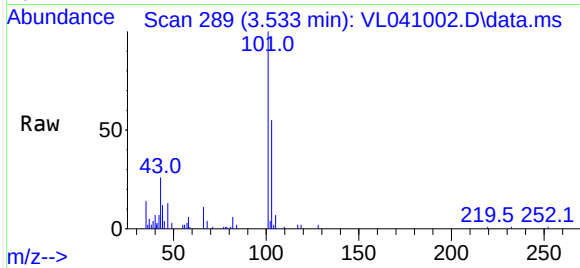




#11
 Trichlorofluoromethane
 Concen: 0.214 ppbv
 RT: 3.533 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VL041002.D
 Acq: 23 Jan 2024 18:48

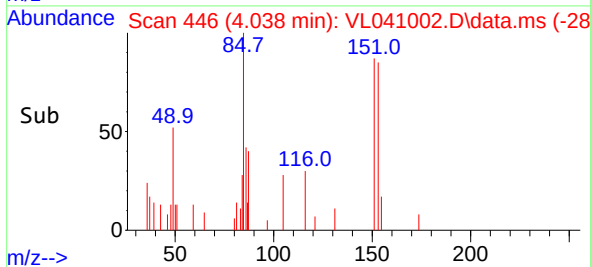
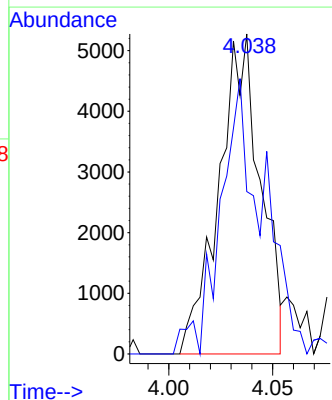
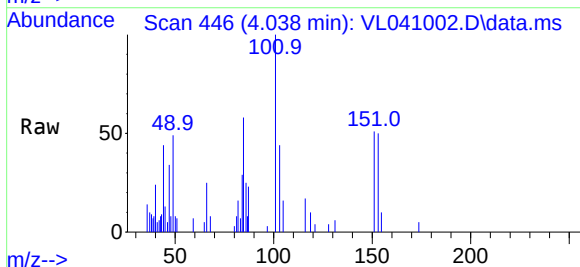
Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

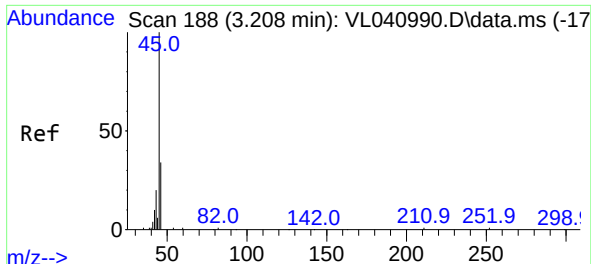
Tgt Ion:101 Resp: 38333
 Ion Ratio Lower Upper
 101 100
 103 55.0 51.4 77.2



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.057 ppbv
 RT: 4.038 min Scan# 446
 Delta R.T. 0.006 min
 Lab File: VL041002.D
 Acq: 23 Jan 2024 18:48

Tgt Ion:101 Resp: 7372
 Ion Ratio Lower Upper
 101 100
 151 90.0 56.6 85.0#





#13

Ethanol

Concen: 7.008 ppbv

RT: 3.214 min Scan# 14

Delta R.T. 0.006 min

Lab File: VL041002.D

Acq: 23 Jan 2024 18:48

Instrument :

MSVOA_L

ClientSampleId :

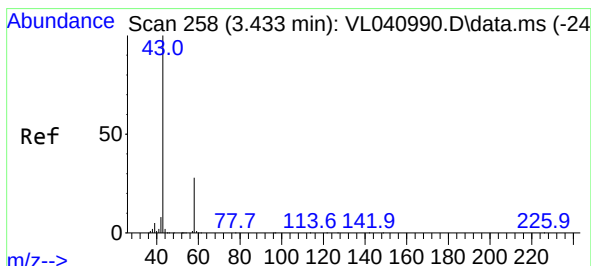
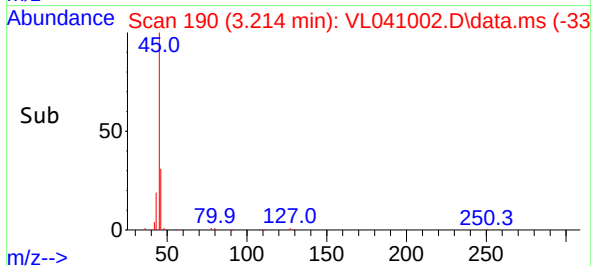
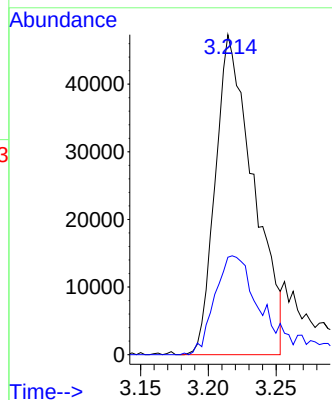
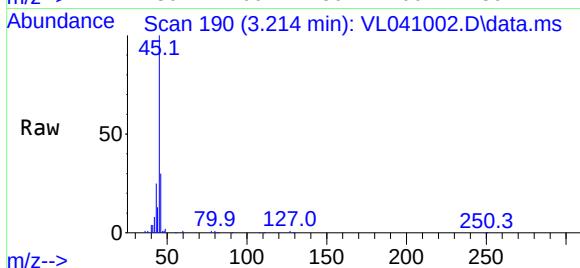
OA1

Tgt Ion: 45 Resp: 92636

Ion Ratio Lower Upper

45 100

46 41.5 16.2 64.8



#15

Acetone

Concen: 2.688 ppbv

RT: 3.443 min Scan# 261

Delta R.T. 0.010 min

Lab File: VL041002.D

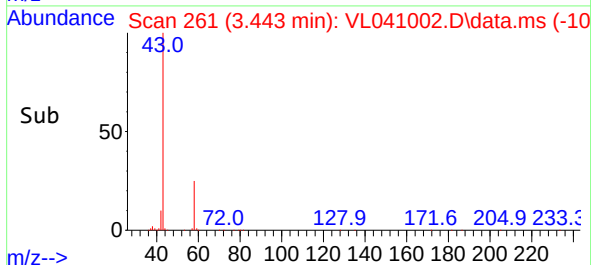
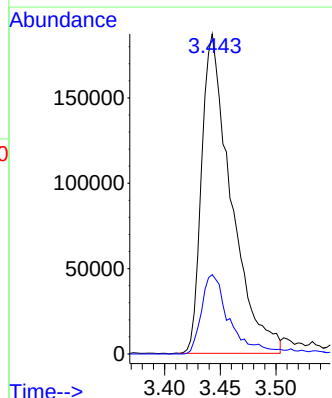
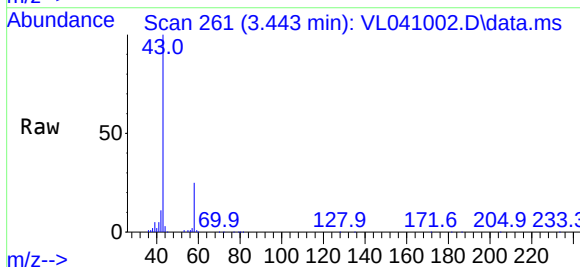
Acq: 23 Jan 2024 18:48

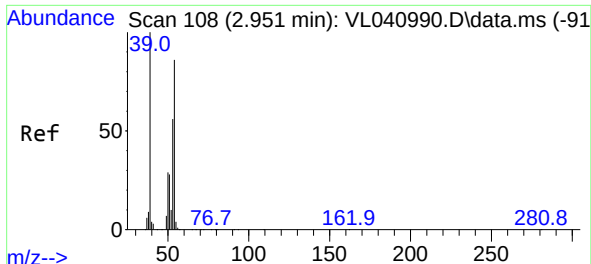
Tgt Ion: 43 Resp: 345569

Ion Ratio Lower Upper

43 100

58 25.0 22.2 33.2





#16

1,3-Butadiene

Concen: 0.159 ppbv

RT: 2.935 min Scan# 108

Delta R.T. -0.016 min

Lab File: VL041002.D

Acq: 23 Jan 2024 18:48

Instrument :

MSVOA_L

ClientSampleId :

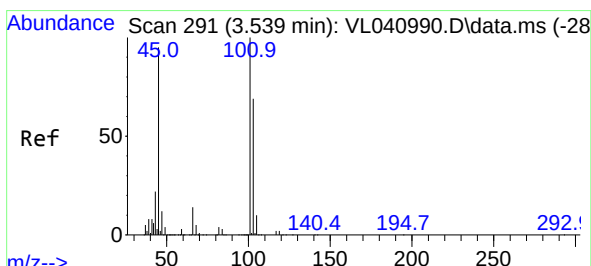
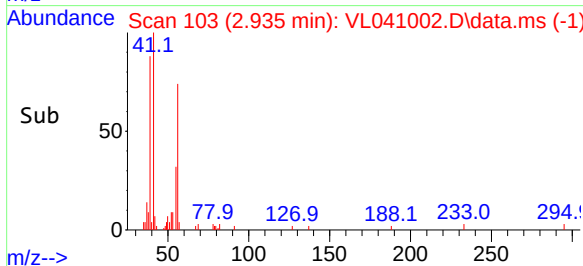
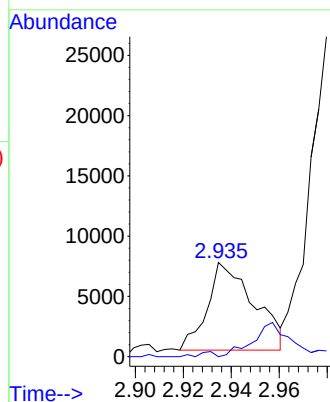
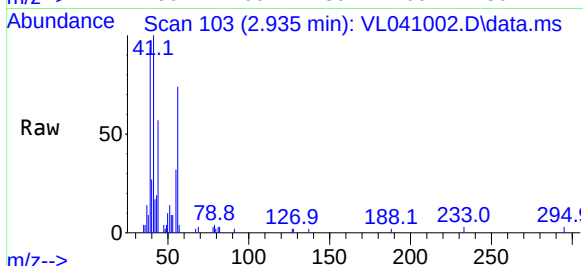
OA1

Tgt Ion: 39 Resp: 9797

Ion Ratio Lower Upper

39 100

54 41.1 62.7 94.1#



#19

Isopropyl Alcohol

Concen: 0.435 ppbv

RT: 3.562 min Scan# 298

Delta R.T. 0.022 min

Lab File: VL041002.D

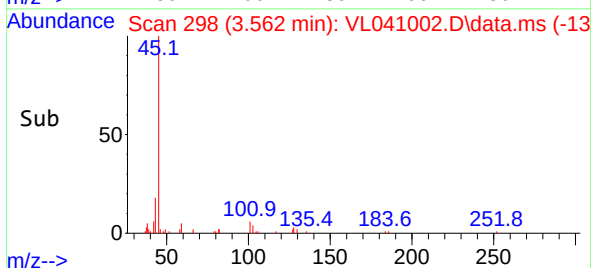
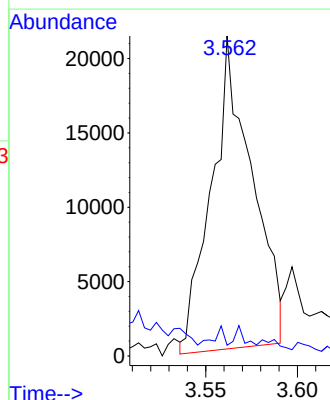
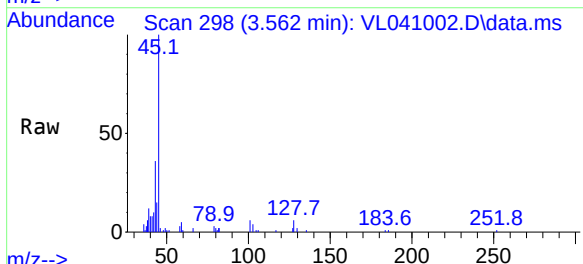
Acq: 23 Jan 2024 18:48

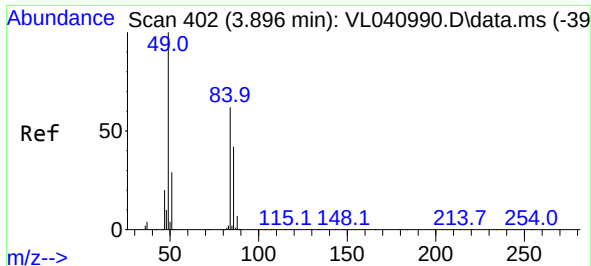
Tgt Ion: 45 Resp: 32383

Ion Ratio Lower Upper

45 100

58 0.0 2.2 3.4#



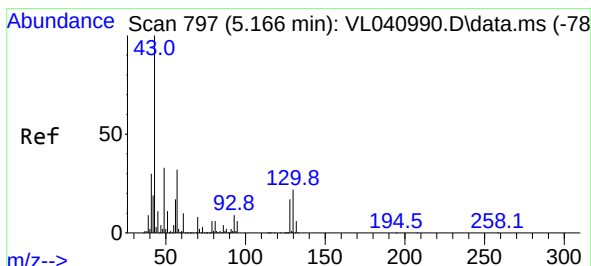
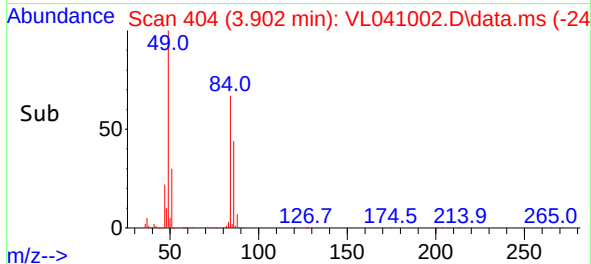
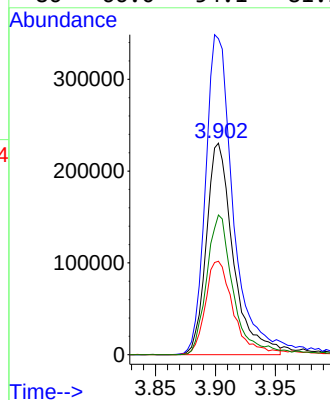
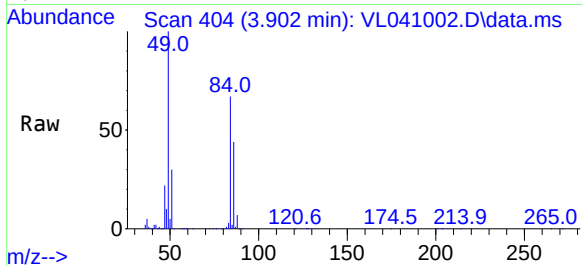


#20
Methylene Chloride
Concen: 7.283 ppbv
RT: 3.902 min Scan# 402
Delta R.T. 0.006 min
Lab File: VL041002.D
Acq: 23 Jan 2024 18:48

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 84 Resp: 360295

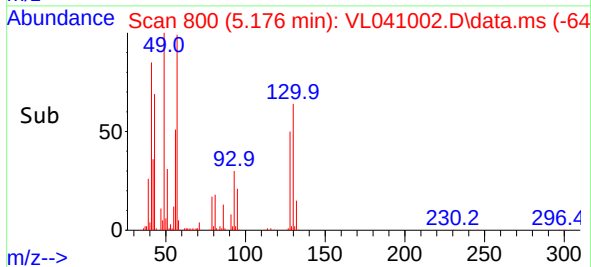
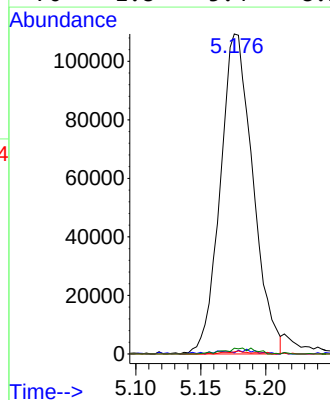
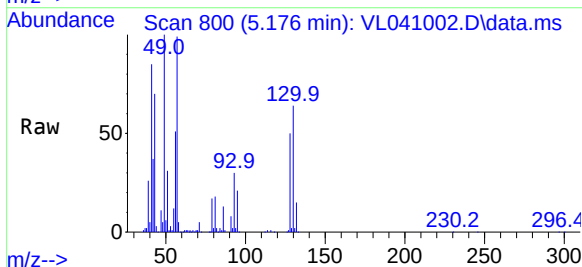
Ion	Ratio	Lower	Upper
84	100		
49	149.0	128.1	192.1
51	44.1	36.5	54.7
86	66.0	54.1	81.1

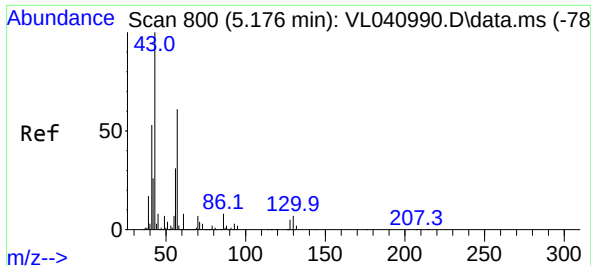


#25
Ethyl Acetate
Concen: 0.819 ppbv
RT: 5.176 min Scan# 800
Delta R.T. 0.010 min
Lab File: VL041002.D
Acq: 23 Jan 2024 18:48

Tgt Ion: 43 Resp: 191035

Ion	Ratio	Lower	Upper
43	100		
45	1.5	8.2	12.4#
61	0.8	7.9	11.9#
70	1.8	5.4	8.2#

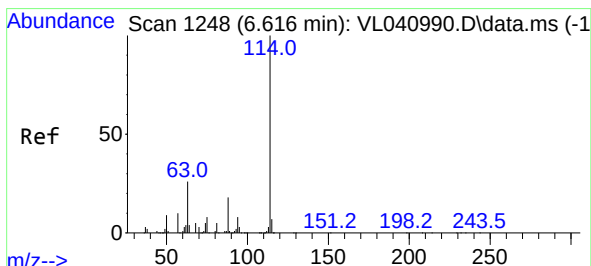
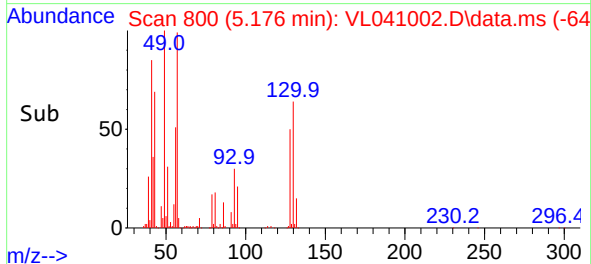
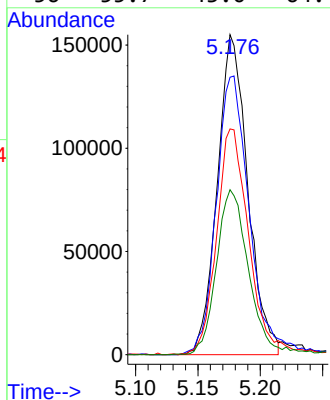
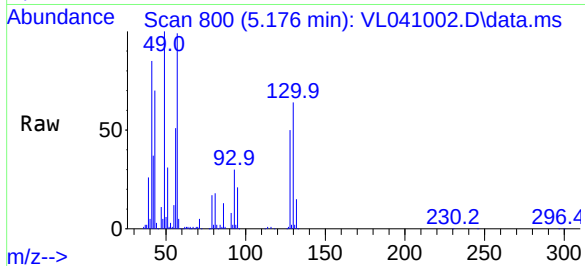




#26
Hexane
Concen: 2.656 ppbv
RT: 5.176 min Scan# 800
Delta R.T. -0.000 min
Lab File: VL041002.D
Acq: 23 Jan 2024 18:48

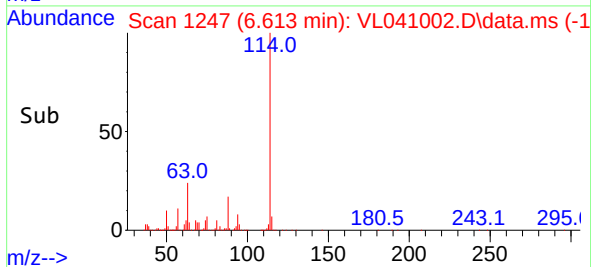
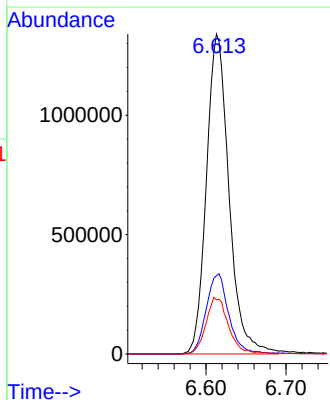
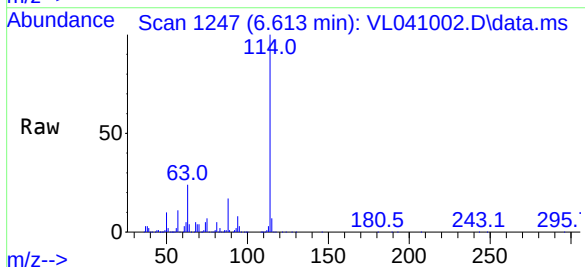
Instrument :
MSVOA_L
ClientSampleId :
OA1

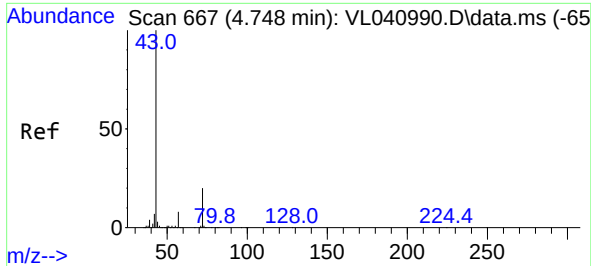
Tgt Ion: 57 Resp: 263903
Ion Ratio Lower Upper
57 100
41 95.6 74.4 111.6
43 75.9 190.6 285.8#
56 55.7 43.0 64.4



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.613 min Scan# 1247
Delta R.T. -0.003 min
Lab File: VL041002.D
Acq: 23 Jan 2024 18:48

Tgt Ion: 114 Resp: 2626233
Ion Ratio Lower Upper
114 100
63 25.3 20.8 31.2
88 17.9 14.3 21.5

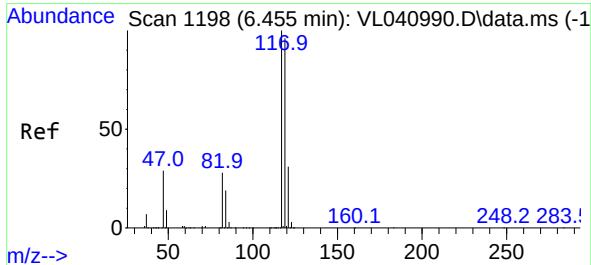
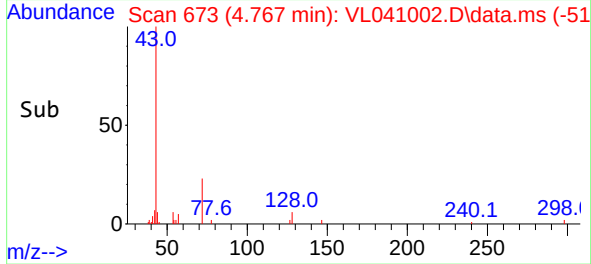
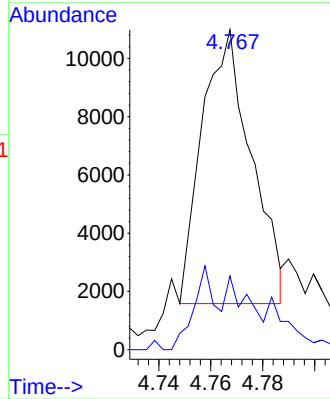
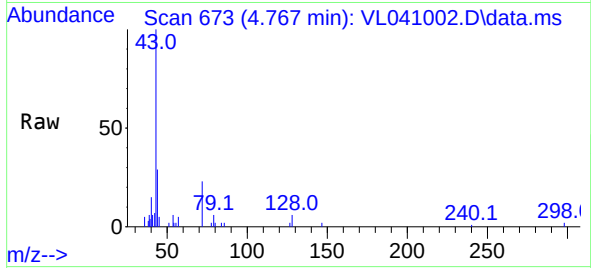




#34
2-Butanone
Concen: 0.099 ppbv
RT: 4.767 min Scan# 61
Delta R.T. 0.019 min
Lab File: VL041002.D
Acq: 23 Jan 2024 18:48

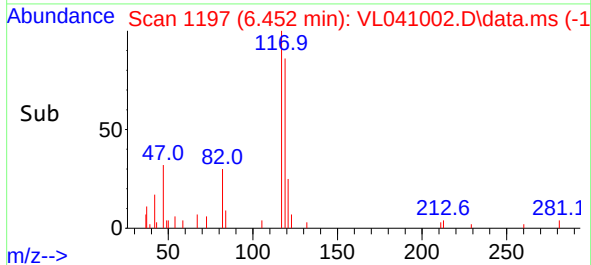
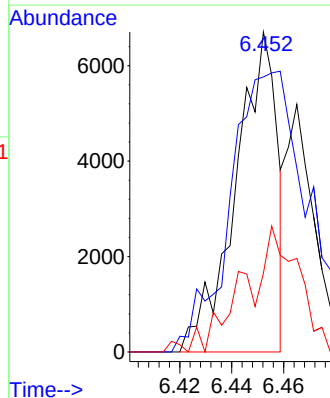
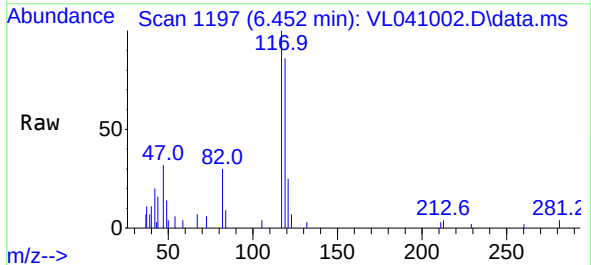
Instrument :
MSVOA_L
ClientSampleId :
OA1

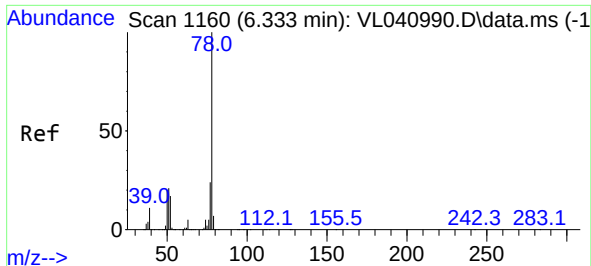
Tgt Ion: 43 Resp: 12328
Ion Ratio Lower Upper
43 100
72 37.6 17.5 26.3#



#35
Carbon Tetrachloride
Concen: 0.043 ppbv
RT: 6.452 min Scan# 1197
Delta R.T. -0.003 min
Lab File: VL041002.D
Acq: 23 Jan 2024 18:48

Tgt Ion: 117 Resp: 7451
Ion Ratio Lower Upper
117 100
119 81.0 76.9 115.3
121 22.3 24.7 37.1#

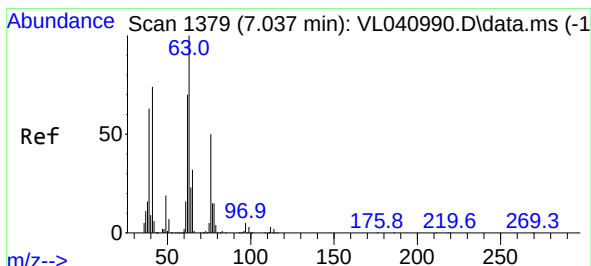
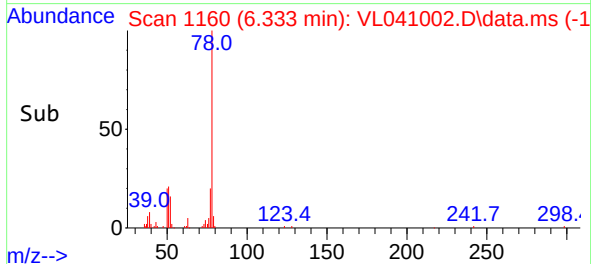
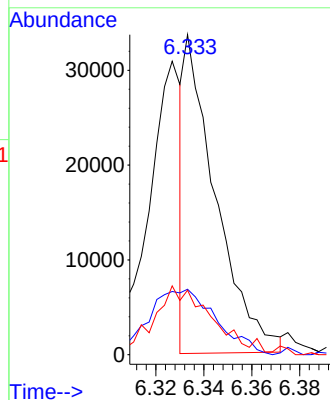
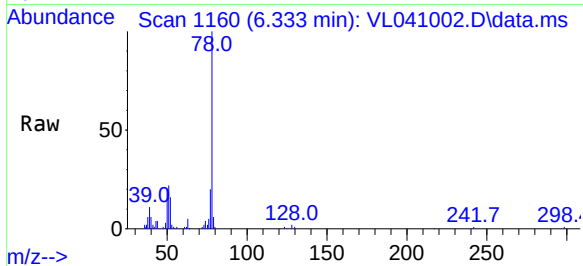




#36
Benzene
Concen: 0.141 ppbv
RT: 6.333 min Scan# 1160
Delta R.T. -0.000 min
Lab File: VL041002.D
Acq: 23 Jan 2024 18:48

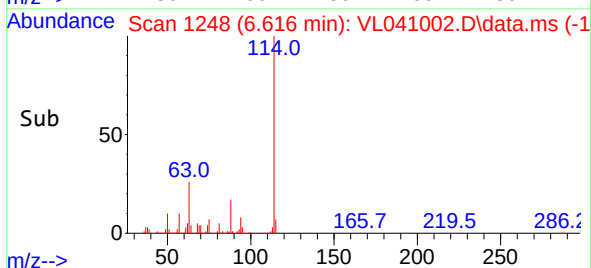
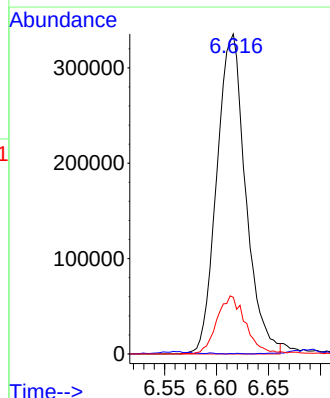
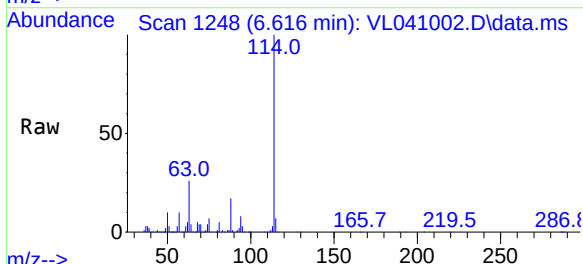
Instrument :
MSVOA_L
ClientSampleId :
OA1

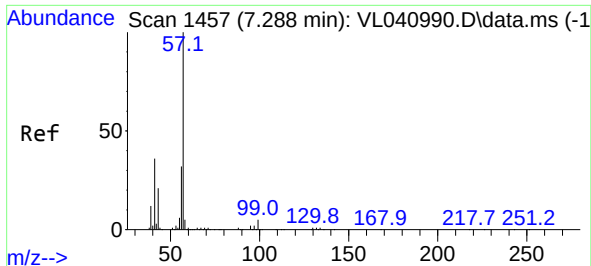
Tgt Ion: 78 Resp: 30488
Ion Ratio Lower Upper
78 100
77 21.0 19.0 28.4
50 18.5 15.8 23.6



#39
1,2-Dichloropropane
Concen: 7.584 ppbv
RT: 6.616 min Scan# 1248
Delta R.T. -0.421 min
Lab File: VL041002.D
Acq: 23 Jan 2024 18:48

Tgt Ion: 63 Resp: 647974
Ion Ratio Lower Upper
63 100
41 0.0 59.6 89.4#
62 17.7 55.6 83.4#





#44

2,2,4-Trimethylpentane

Concen: 0.045 ppbv

RT: 7.282 min Scan# 1457

Delta R.T. -0.006 min

Lab File: VL041002.D

Acq: 23 Jan 2024 18:48

Instrument :

MSVOA_1

ClientSampleId :

OA1

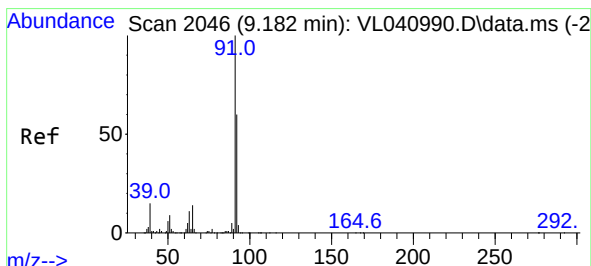
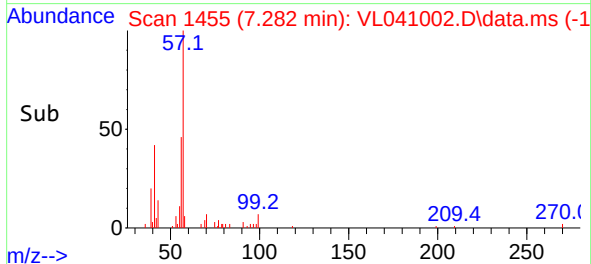
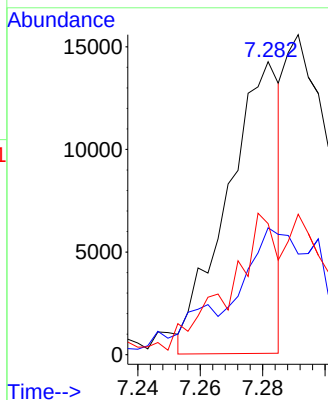
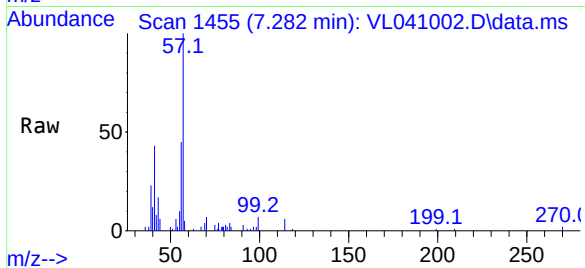
Tgt Ion: 57 Resp: 16594

Ion Ratio Lower Upper

57 100

41 99.2 28.6 43.0#

56 100.1 25.2 37.8#



#53

Toluene

Concen: 0.306 ppbv

RT: 9.179 min Scan# 2045

Delta R.T. -0.003 min

Lab File: VL041002.D

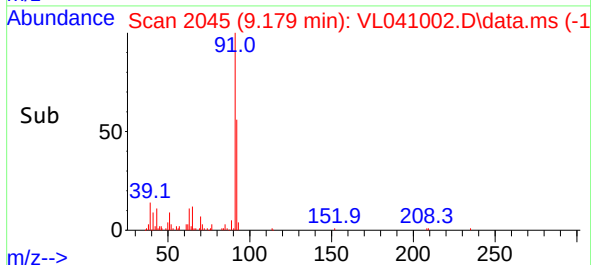
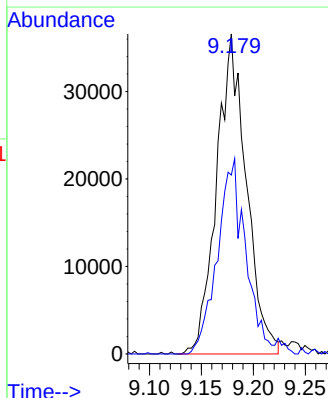
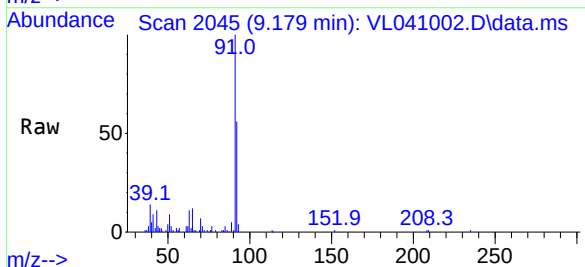
Acq: 23 Jan 2024 18:48

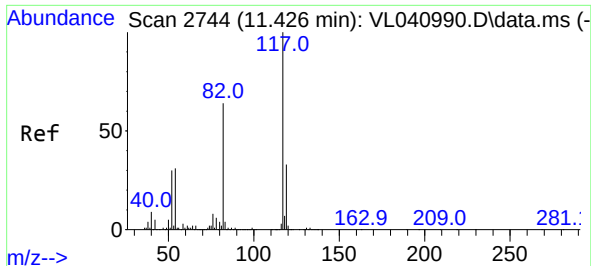
Tgt Ion: 91 Resp: 72668

Ion Ratio Lower Upper

91 100

92 59.9 48.6 72.8

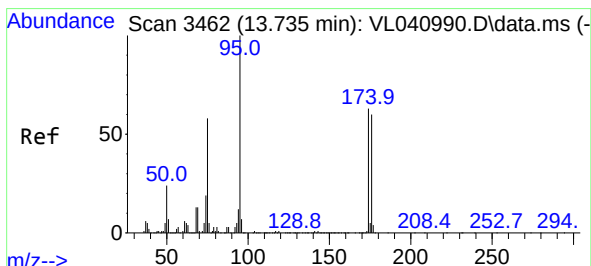
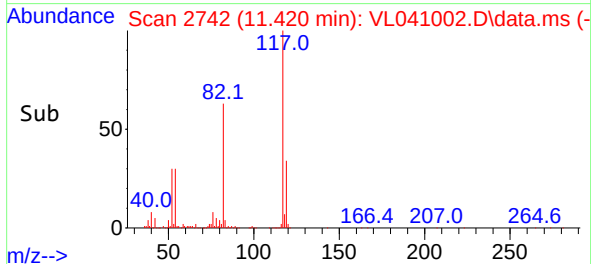
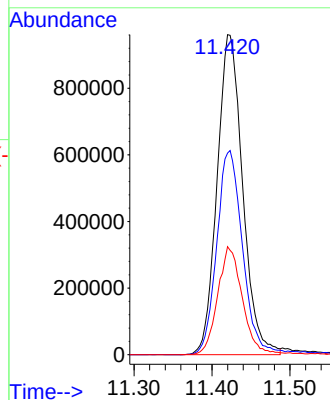
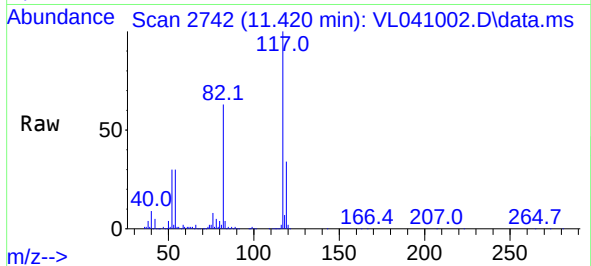




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.420 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL041002.D
Acq: 23 Jan 2024 18:48

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion:117 Resp: 2193879
Ion Ratio Lower Upper
117 100
82 65.6 51.7 77.5
119 33.0 23.8 35.6



#68
1-Bromo-4-Fluorobenzene
Concen: 9.883 ppbv
RT: 13.732 min Scan# 3461
Delta R.T. -0.003 min
Lab File: VL041002.D
Acq: 23 Jan 2024 18:48

Tgt Ion: 95 Resp: 1637695
Ion Ratio Lower Upper
95 100
174 61.6 49.1 73.7
175 4.6 3.7 5.5

