

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012324\
 Data File : VL041004.D
 Acq On : 23 Jan 2024 20:09
 Operator : SY/MD
 Sample : P1212-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

Quant Time: Jan 24 01:01:27 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)

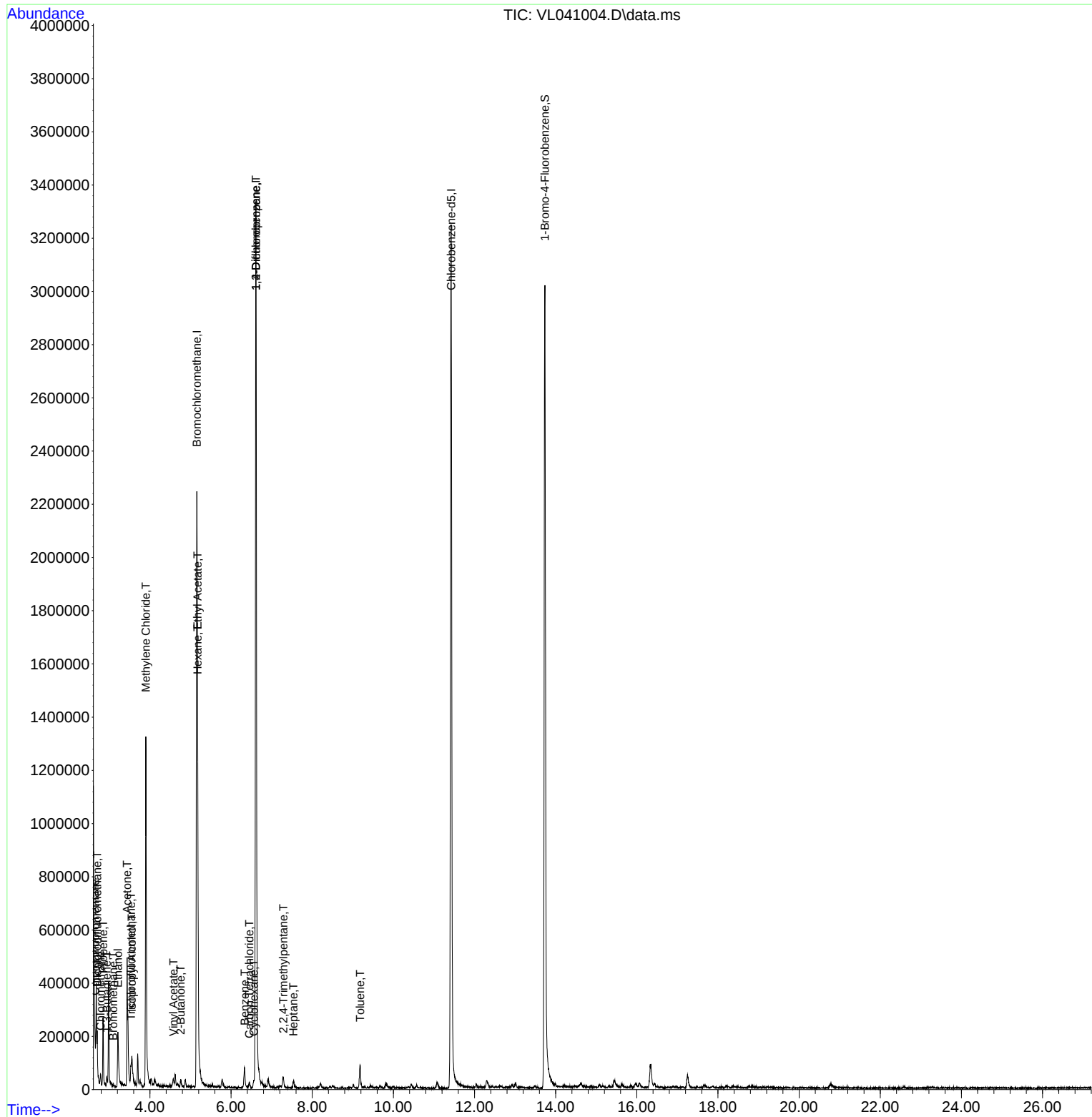
Internal Standards						
1) Bromochloromethane	5.156	49	978623	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.613	114	2481966	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.423	117	2103979	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.735	95	1566267	9.856	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.700	85	98939	0.458	ppbv	92
3) Chlorodifluoromethane	2.648	51	36606	0.222	ppbv	98
4) Chloromethane	2.787	50	32893	0.533	ppbv	98
6) Bromomethane	3.095	94	1727	0.066	ppbv	81
9) Propene	2.845	41	54197	1.004	ppbv	88
10) Heptane	7.539	43	6517	0.049	ppbv #	28
11) Trichlorofluoromethane	3.533	101	39800	0.229	ppbv #	83
13) Ethanol	3.211	45	220734	17.155	ppbv	99
15) Acetone	3.436	43	530278	4.237	ppbv	97
16) 1,3-Butadiene	2.935	39	11969	0.200	ppbv #	59
19) Isopropyl Alcohol	3.552	45	120216	1.659	ppbv #	91
20) Methylene Chloride	3.899	84	426148	8.849	ppbv	97
23) Vinyl Acetate	4.584	43	6237	0.048	ppbv #	84
25) Ethyl Acetate	5.172	43	249156	1.098	ppbv #	79
26) Hexane	5.176	57	340672	3.522	ppbv #	40
30) Cyclohexane	6.561	84	3232	0.040	ppbv #	1
34) 2-Butanone	4.758	43	27511	0.233	ppbv	91
35) Carbon Tetrachloride	6.449	117	5483	0.033	ppbv #	95
36) Benzene	6.336	78	56440	0.275	ppbv #	87
39) 1,2-Dichloropropane	6.613	63	623566	7.722	ppbv #	24
44) 2,2,4-Trimethylpentane	7.288	57	30166	0.087	ppbv #	75
53) Toluene	9.179	91	35806	0.159	ppbv #	20

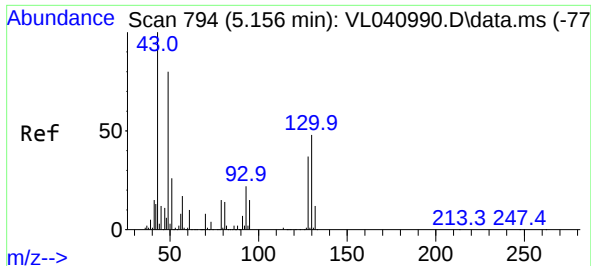
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012324\
Data File : VL041004.D
Acq On : 23 Jan 2024 20:09
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 01:01:27 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

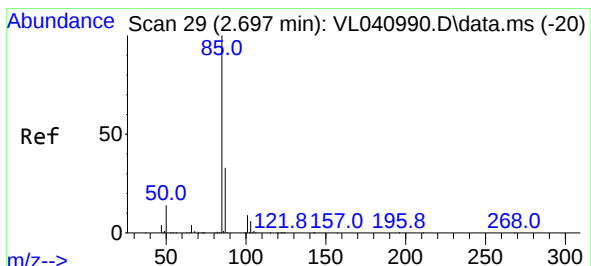
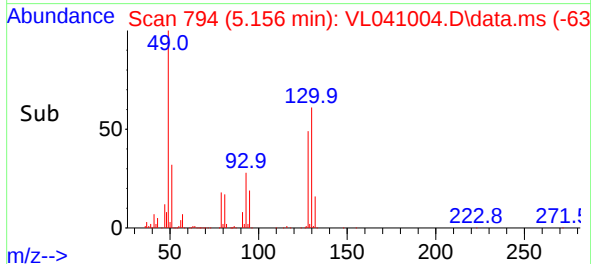
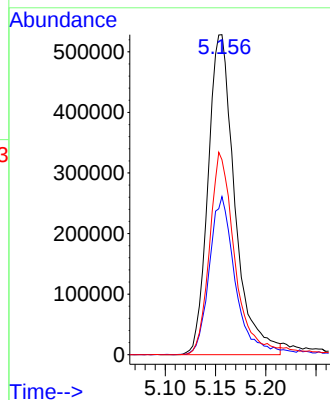
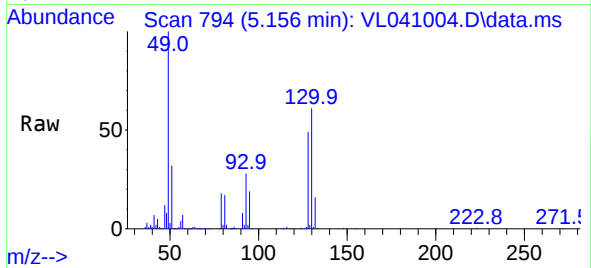




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.156 min Scan# 794
Delta R.T. 0.000 min
Lab File: VL041004.D
Acq: 23 Jan 2024 20:09

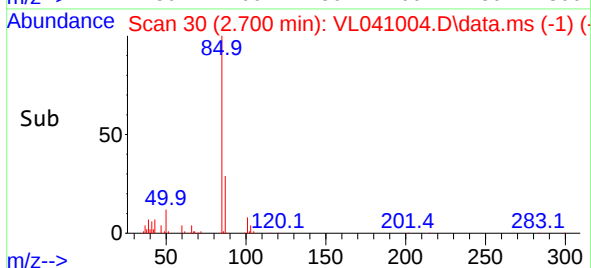
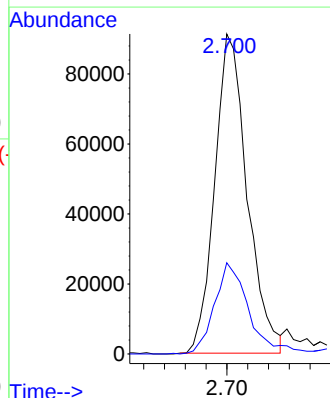
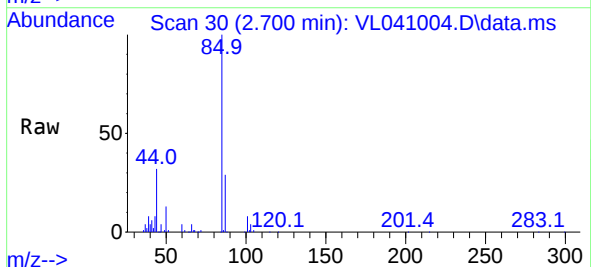
Instrument :
MSVOA_L
ClientSampleId :
OA1

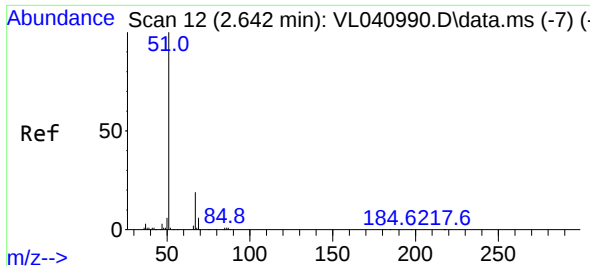
Tgt Ion: 49 Resp: 978623
Ion Ratio Lower Upper
49 100
128 49.5 23.9 71.7
130 62.1 31.1 93.5



#2
Dichlorodifluoromethane
Concen: 0.458 ppbv
RT: 2.700 min Scan# 30
Delta R.T. 0.003 min
Lab File: VL041004.D
Acq: 23 Jan 2024 20:09

Tgt Ion: 85 Resp: 98939
Ion Ratio Lower Upper
85 100
87 28.6 26.3 39.5

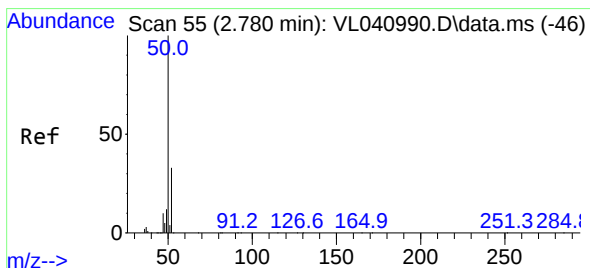
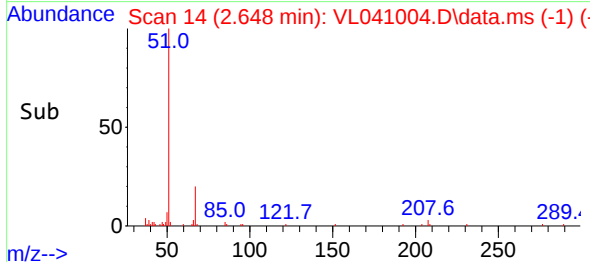
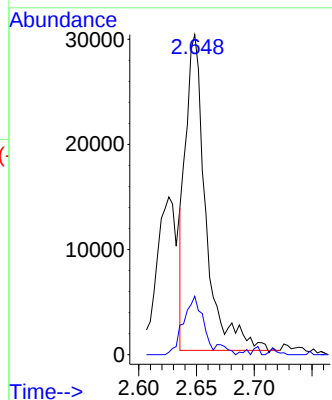
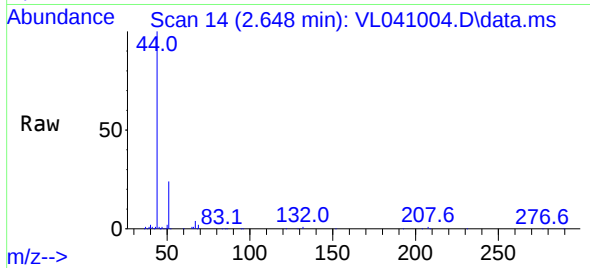




#3
Chlorodifluoromethane
Concen: 0.222 ppbv
RT: 2.648 min Scan# 14
Delta R.T. 0.006 min
Lab File: VL041004.D
Acq: 23 Jan 2024 20:09

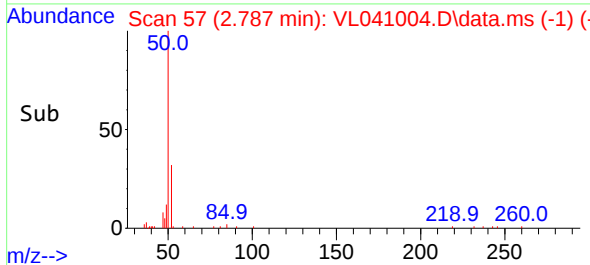
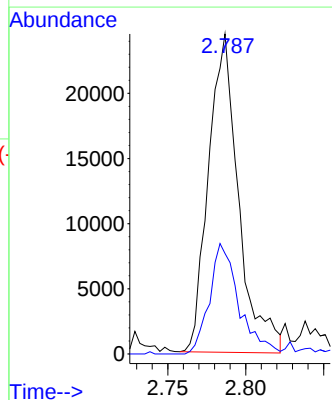
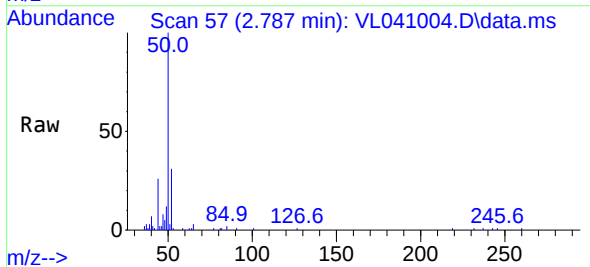
Instrument :
MSVOA_L
ClientSampleId :
OA1

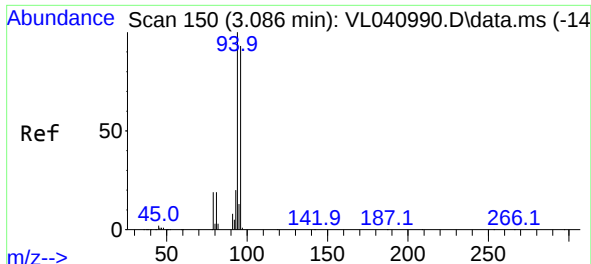
Tgt Ion: 51 Resp: 36606
Ion Ratio Lower Upper
51 100
67 19.5 14.8 22.2



#4
Chloromethane
Concen: 0.533 ppbv
RT: 2.787 min Scan# 57
Delta R.T. 0.006 min
Lab File: VL041004.D
Acq: 23 Jan 2024 20:09

Tgt Ion: 50 Resp: 32893
Ion Ratio Lower Upper
50 100
52 31.6 26.2 39.4

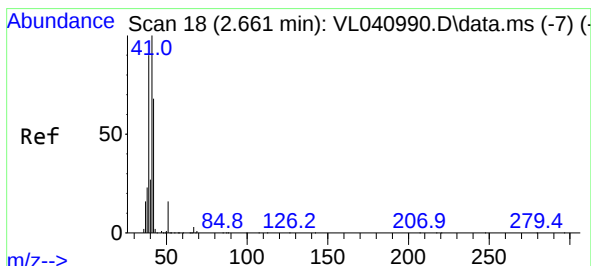
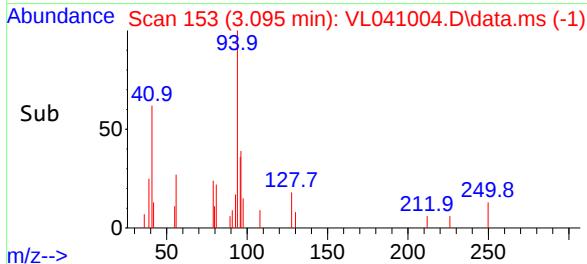
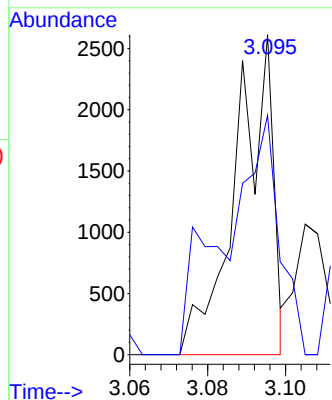
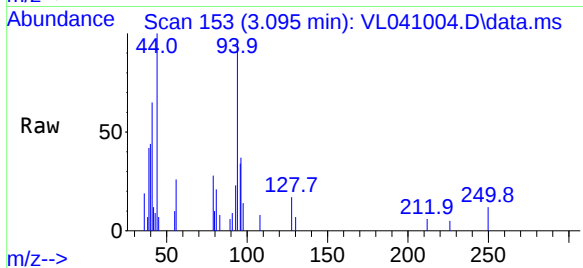




#6
Bromomethane
Concen: 0.066 ppbv
RT: 3.095 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL041004.D
Acq: 23 Jan 2024 20:09

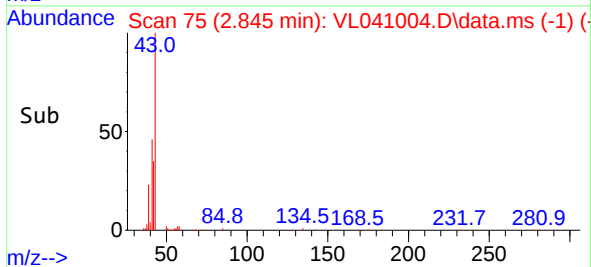
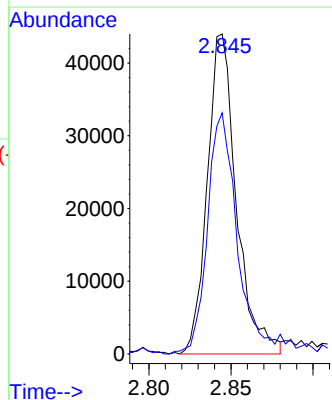
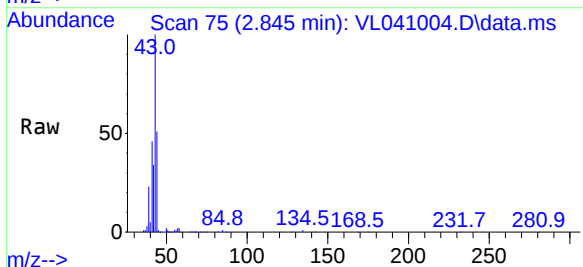
Instrument :
MSVOA_L
ClientSampleId :
OA1

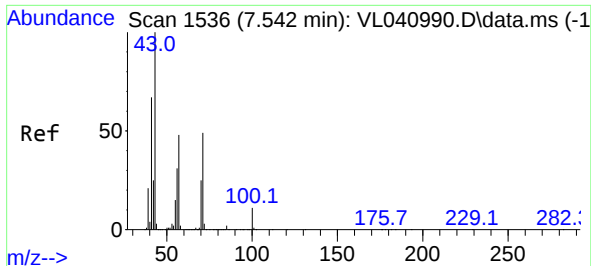
Tgt Ion: 94 Resp: 1727
Ion Ratio Lower Upper
94 100
96 74.8 74.2 111.4



#9
Propene
Concen: 1.004 ppbv
RT: 2.845 min Scan# 75
Delta R.T. 0.183 min
Lab File: VL041004.D
Acq: 23 Jan 2024 20:09

Tgt Ion: 41 Resp: 54197
Ion Ratio Lower Upper
41 100
42 83.5 59.0 88.4

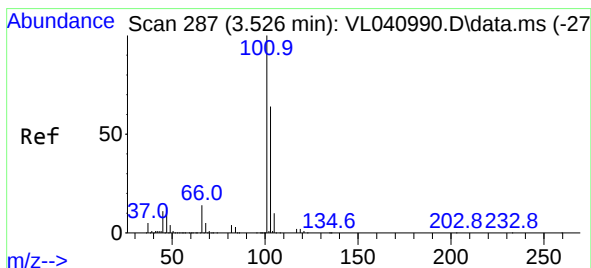
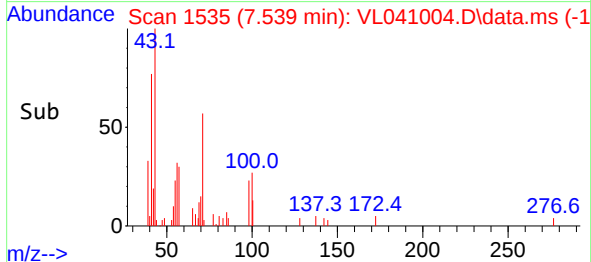
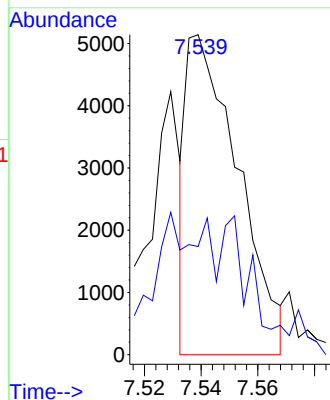
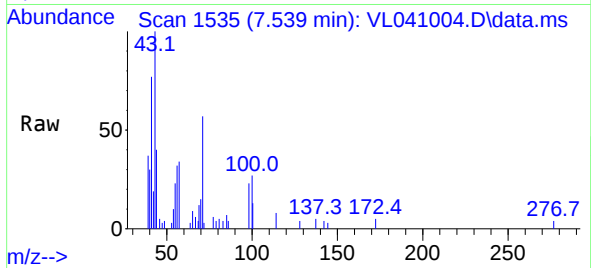




#10
Heptane
Concen: 0.049 ppbv
RT: 7.539 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL041004.D
Acq: 23 Jan 2024 20:09

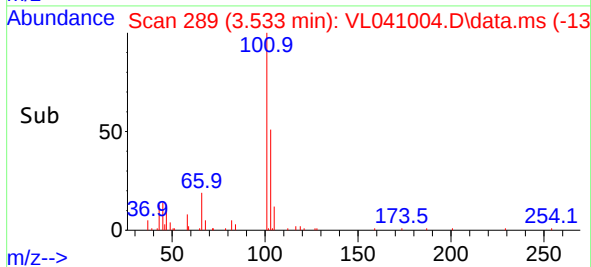
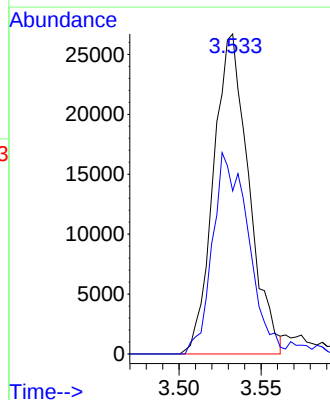
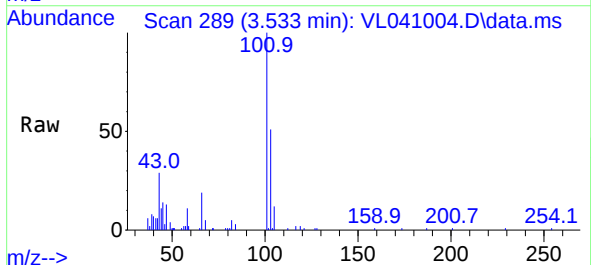
Instrument :
MSVOA_L
ClientSampleId :
OA1

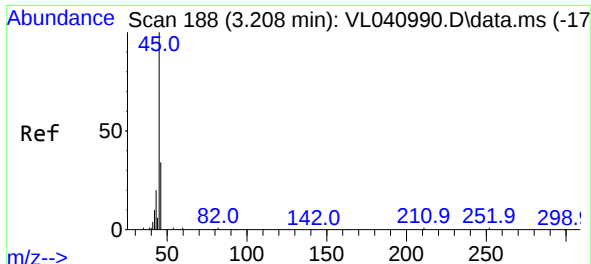
Tgt Ion: 43 Resp: 6517
Ion Ratio Lower Upper
43 100
57 0.0 39.4 59.2#



#11
Trichlorofluoromethane
Concen: 0.229 ppbv
RT: 3.533 min Scan# 289
Delta R.T. 0.006 min
Lab File: VL041004.D
Acq: 23 Jan 2024 20:09

Tgt Ion: 101 Resp: 39800
Ion Ratio Lower Upper
101 100
103 51.0 51.4 77.2#

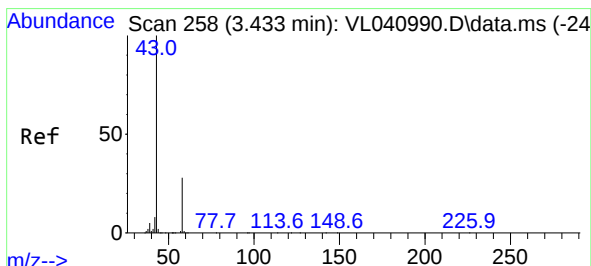
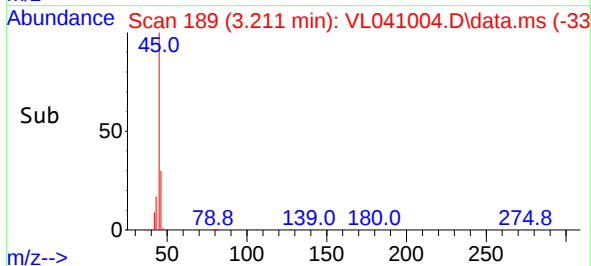
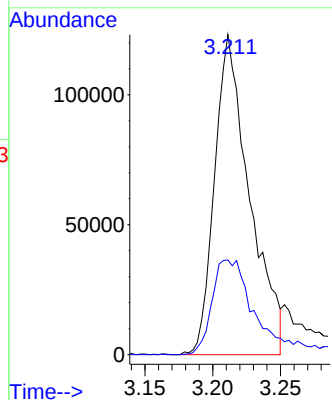
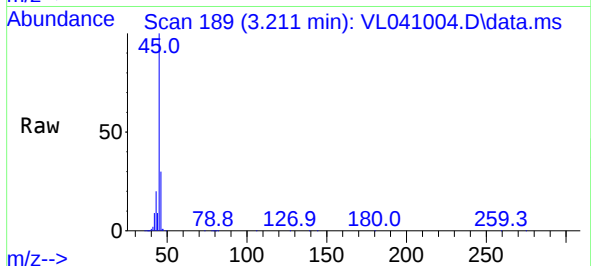




#13
Ethanol
Concen: 17.155 ppbv
RT: 3.211 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL041004.D
Acq: 23 Jan 2024 20:09

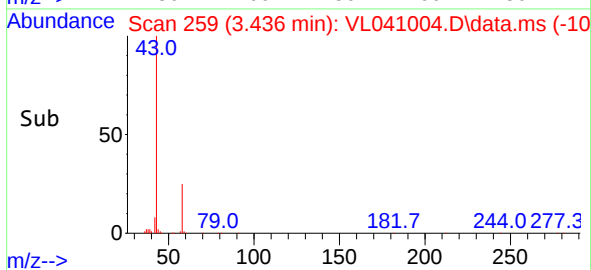
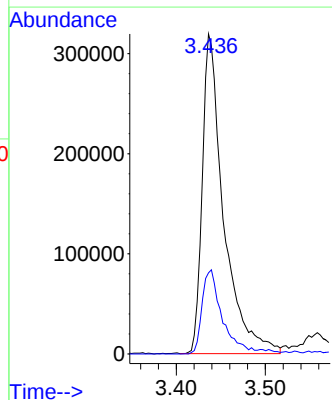
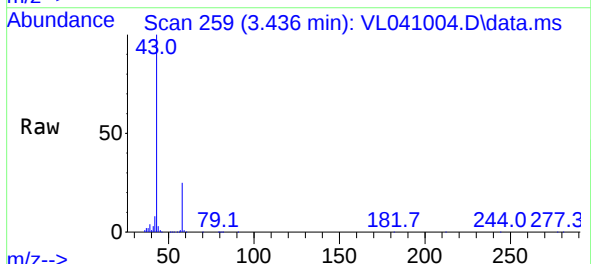
Instrument :
MSVOA_L
ClientSampleId :
OA1

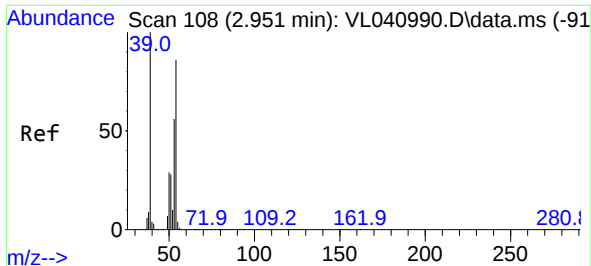
Tgt Ion: 45 Resp: 220734
Ion Ratio Lower Upper
45 100
46 40.1 16.2 64.8



#15
Acetone
Concen: 4.237 ppbv
RT: 3.436 min Scan# 259
Delta R.T. 0.003 min
Lab File: VL041004.D
Acq: 23 Jan 2024 20:09

Tgt Ion: 43 Resp: 530278
Ion Ratio Lower Upper
43 100
58 26.3 22.2 33.2

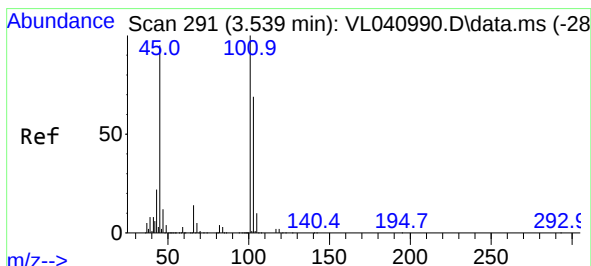
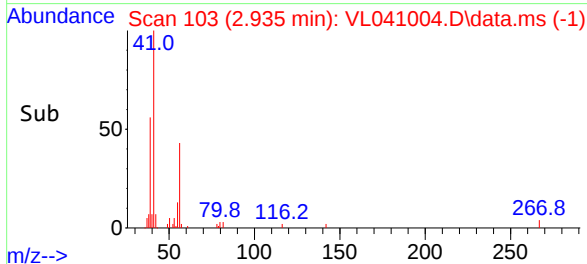
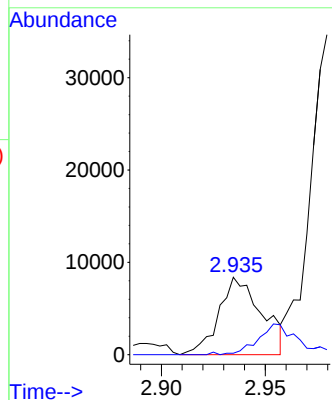
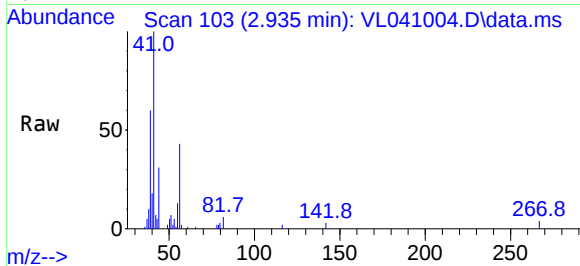




#16
1,3-Butadiene
Concen: 0.200 ppbv
RT: 2.935 min Scan# 10
Delta R.T. -0.016 min
Lab File: VL041004.D
Acq: 23 Jan 2024 20:09

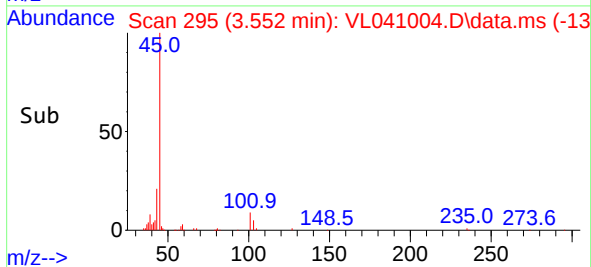
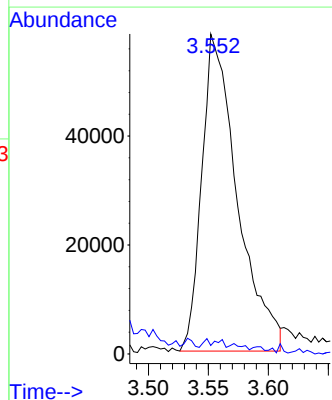
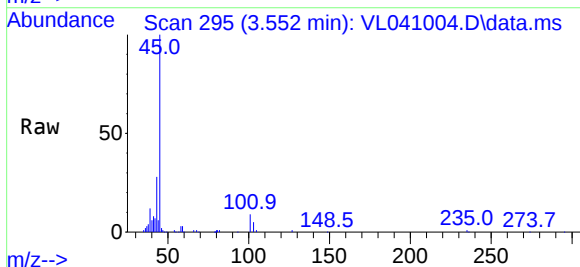
Instrument :
MSVOA_L
ClientSampleId :
OA1

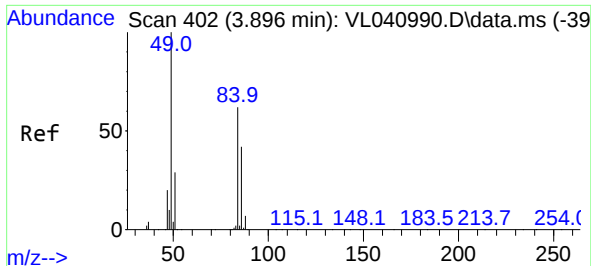
Tgt Ion: 39 Resp: 11969
Ion Ratio Lower Upper
39 100
54 42.4 62.7 94.1#



#19
Isopropyl Alcohol
Concen: 1.659 ppbv
RT: 3.552 min Scan# 295
Delta R.T. 0.013 min
Lab File: VL041004.D
Acq: 23 Jan 2024 20:09

Tgt Ion: 45 Resp: 120216
Ion Ratio Lower Upper
45 100
58 5.7 2.2 3.4#





#20

Methylene Chloride

Concen: 8.849 ppbv

RT: 3.899 min Scan# 40

Delta R.T. 0.003 min

Lab File: VL041004.D

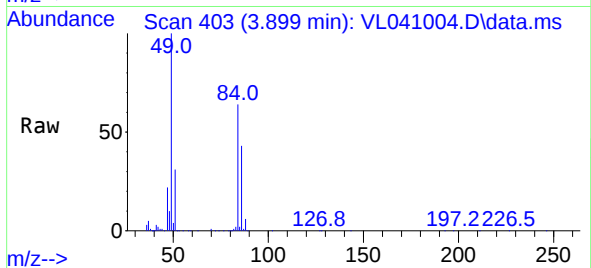
Acq: 23 Jan 2024 20:09

Instrument :

MSVOA_L

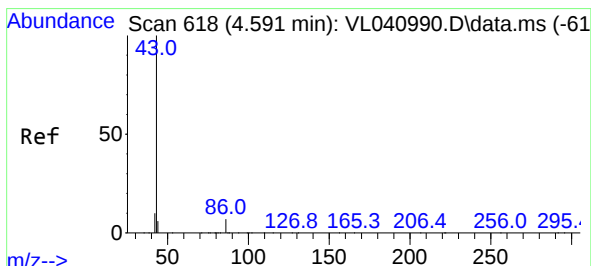
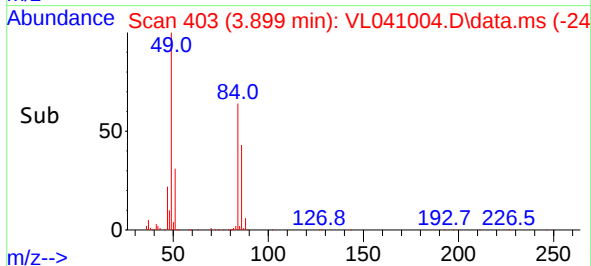
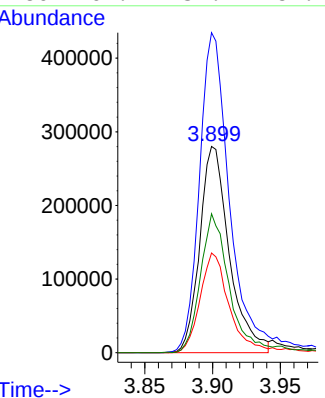
ClientSampleId :

OA1



Tgt Ion: 84 Resp: 426148

Ion	Ratio	Lower	Upper
84	100		
49	154.9	128.1	192.1
51	48.4	36.5	54.7
86	67.1	54.1	81.1



#23

Vinyl Acetate

Concen: 0.048 ppbv

RT: 4.584 min Scan# 616

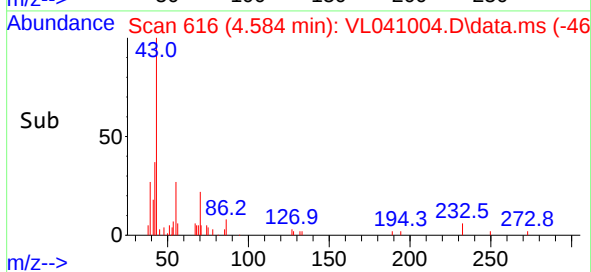
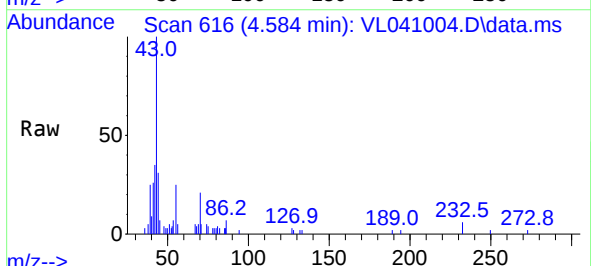
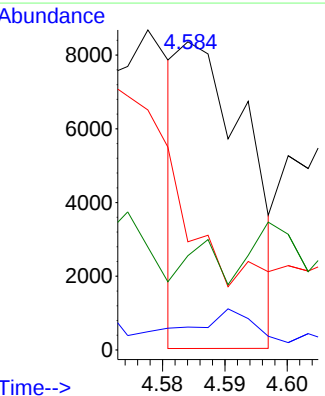
Delta R.T. -0.006 min

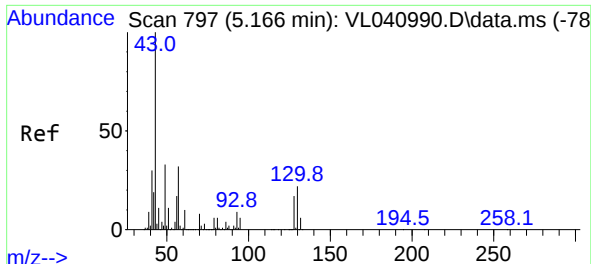
Lab File: VL041004.D

Acq: 23 Jan 2024 20:09

Tgt Ion: 43 Resp: 6237

Ion	Ratio	Lower	Upper
43	100		
86	5.2	5.4	8.0#
42	17.2	8.6	13.0#
44	15.0	4.3	6.5#



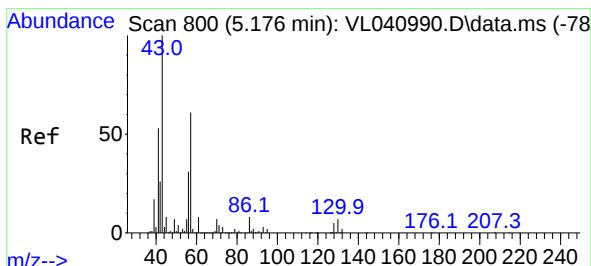
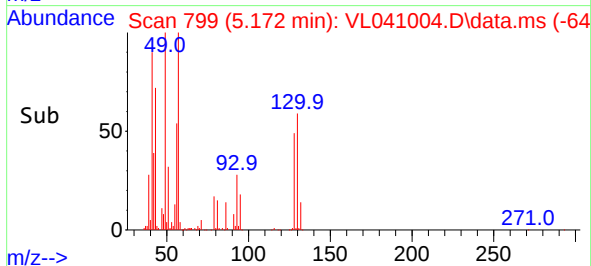
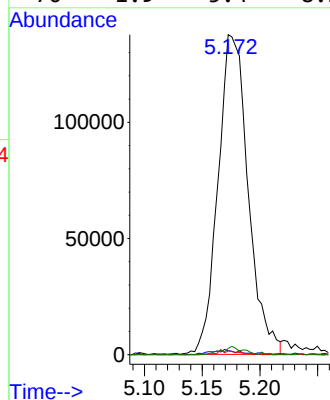
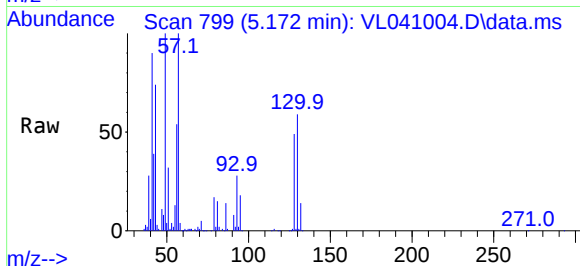


#25
Ethyl Acetate
Concen: 1.098 ppbv
RT: 5.172 min Scan# 79
Delta R.T. 0.006 min
Lab File: VL041004.D
Acq: 23 Jan 2024 20:09

Instrument :
MSVOA_1
ClientSampleId :
OA1

Tgt Ion: 43 Resp: 249156

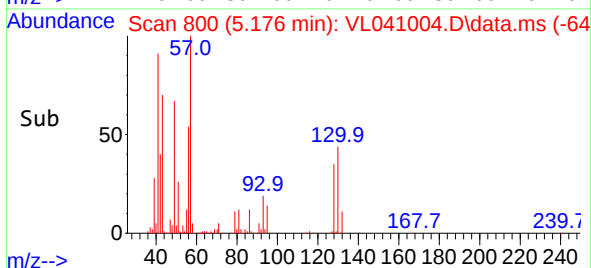
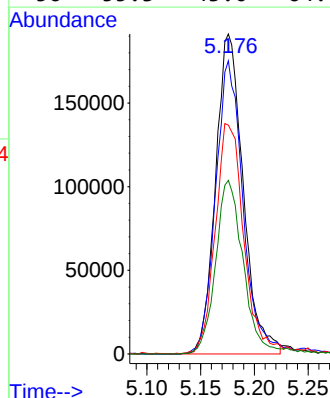
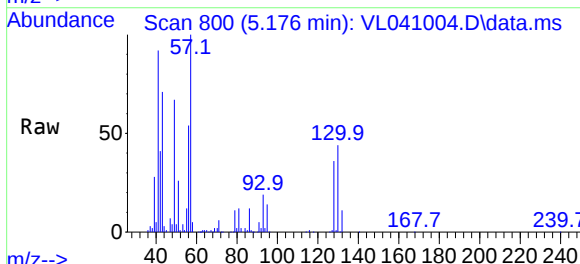
Ion	Ratio	Lower	Upper
43	100		
45	1.8	8.2	12.4#
61	0.9	7.9	11.9#
70	1.9	5.4	8.2#

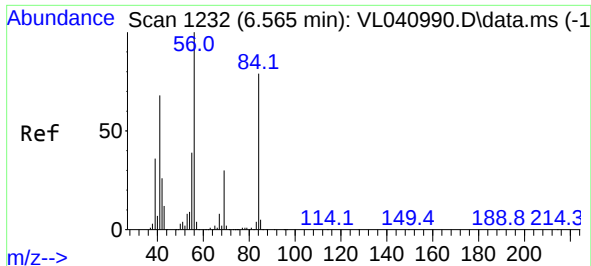


#26
Hexane
Concen: 3.522 ppbv
RT: 5.176 min Scan# 800
Delta R.T. -0.000 min
Lab File: VL041004.D
Acq: 23 Jan 2024 20:09

Tgt Ion: 57 Resp: 340672

Ion	Ratio	Lower	Upper
57	100		
41	93.1	74.4	111.6
43	75.7	190.6	285.8#
56	55.3	43.0	64.4

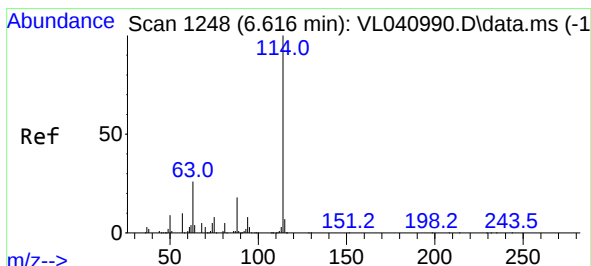
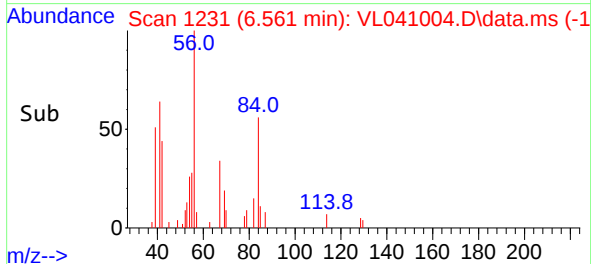
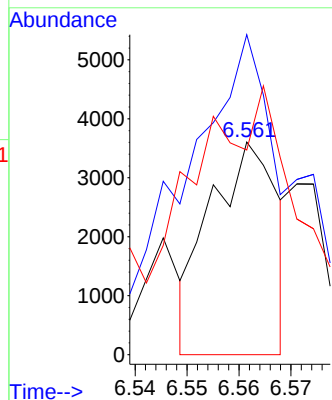
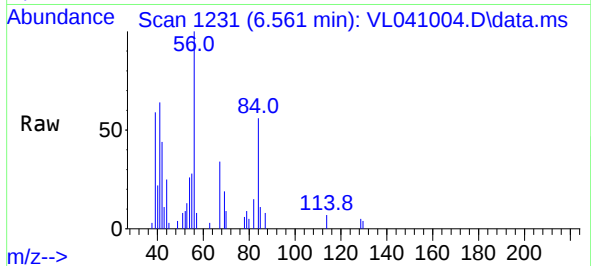




#30
Cyclohexane
Concen: 0.040 ppbv
RT: 6.561 min Scan# 11
Delta R.T. -0.003 min
Lab File: VL041004.D
Acq: 23 Jan 2024 20:09

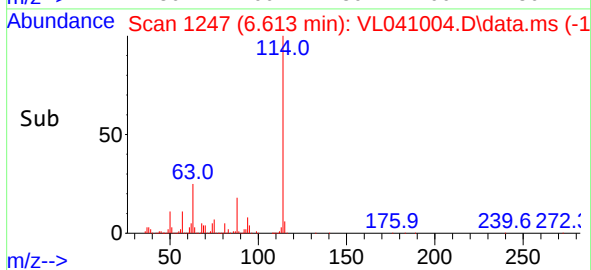
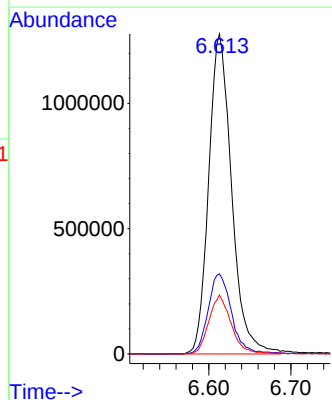
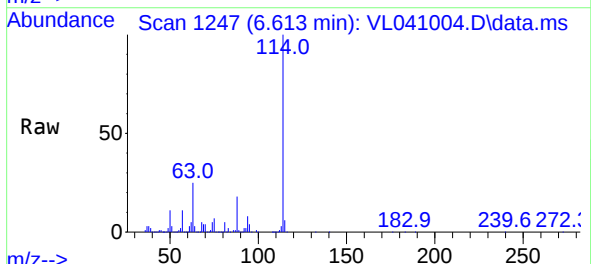
Instrument :
MSVOA_L
ClientSampleId :
OA1

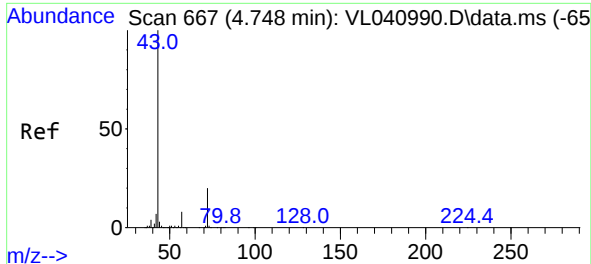
Tgt Ion: 84 Resp: 3232
Ion Ratio Lower Upper
84 100
56 262.6 111.7 167.5#
41 306.8 71.0 106.6#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.613 min Scan# 1247
Delta R.T. -0.003 min
Lab File: VL041004.D
Acq: 23 Jan 2024 20:09

Tgt Ion: 114 Resp: 2481966
Ion Ratio Lower Upper
114 100
63 25.8 20.8 31.2
88 17.9 14.3 21.5

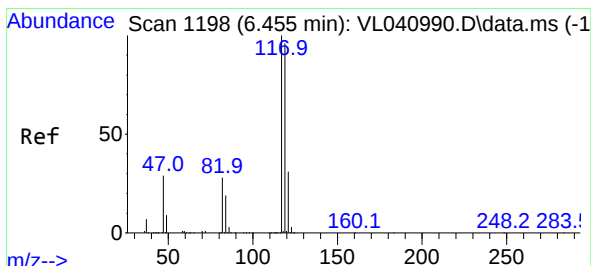
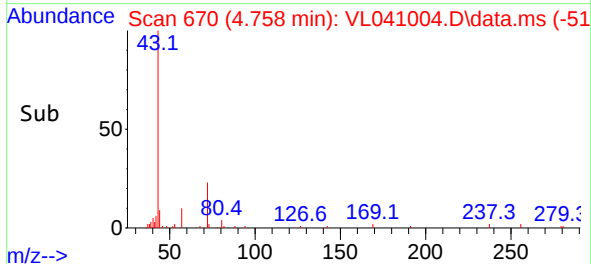
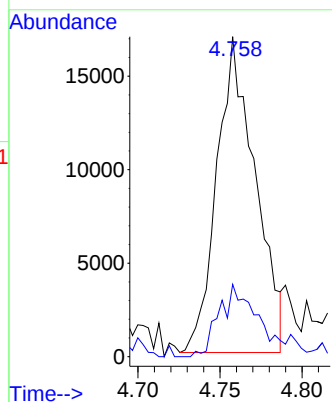
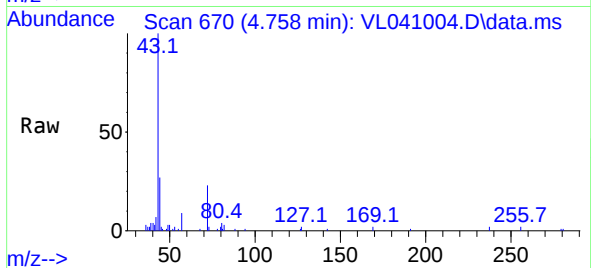




#34
2-Butanone
Concen: 0.233 ppbv
RT: 4.758 min Scan# 61
Delta R.T. 0.010 min
Lab File: VL041004.D
Acq: 23 Jan 2024 20:09

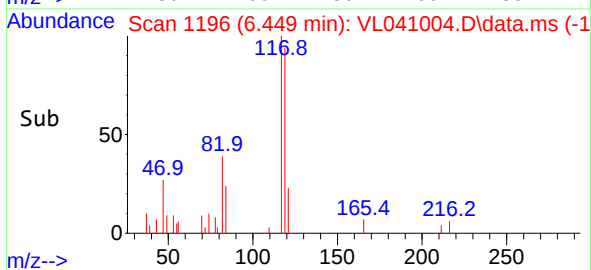
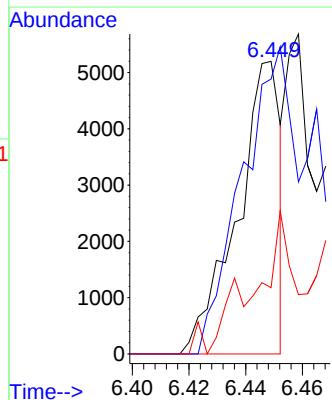
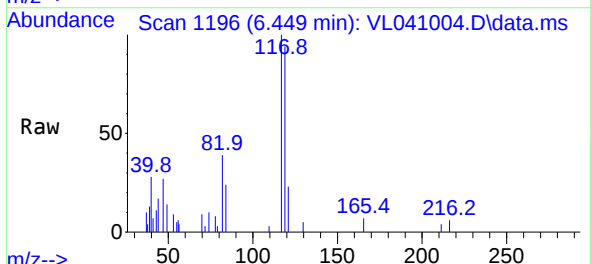
Instrument :
MSVOA_L
ClientSampleId :
OA1

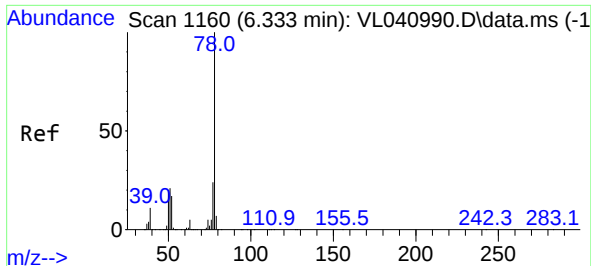
Tgt Ion: 43 Resp: 27511
Ion Ratio Lower Upper
43 100
72 26.1 17.5 26.3



#35
Carbon Tetrachloride
Concen: 0.033 ppbv
RT: 6.449 min Scan# 1196
Delta R.T. -0.006 min
Lab File: VL041004.D
Acq: 23 Jan 2024 20:09

Tgt Ion: 117 Resp: 5483
Ion Ratio Lower Upper
117 100
119 93.9 76.9 115.3
121 22.6 24.7 37.1#

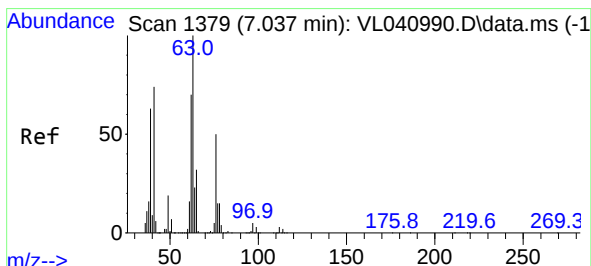
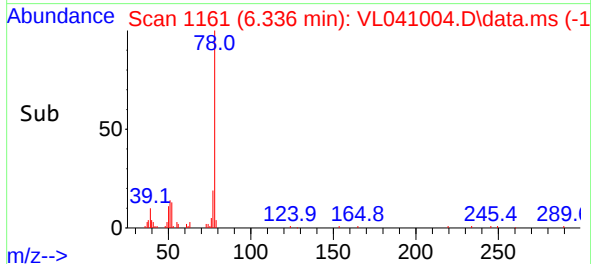
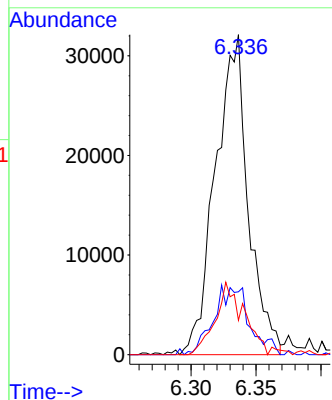
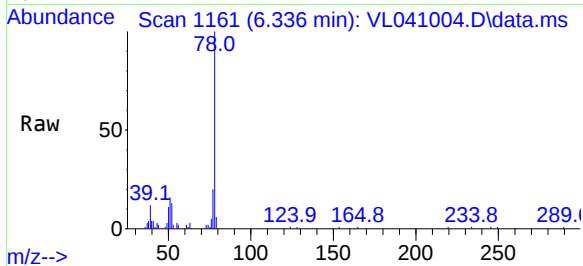




#36
Benzene
Concen: 0.275 ppbv
RT: 6.336 min Scan# 1160
Delta R.T. 0.003 min
Lab File: VL041004.D
Acq: 23 Jan 2024 20:09

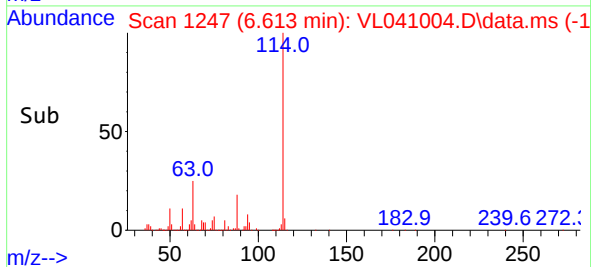
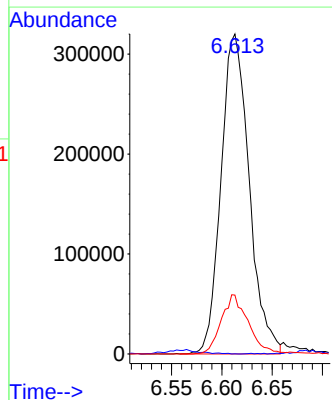
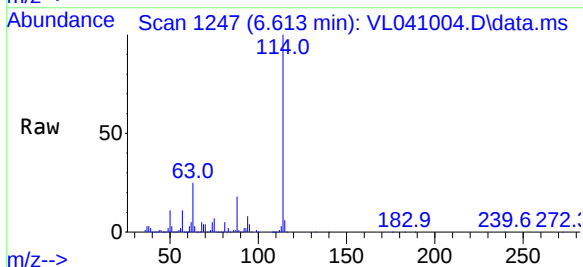
Instrument :
MSVOA_L
ClientSampleId :
OA1

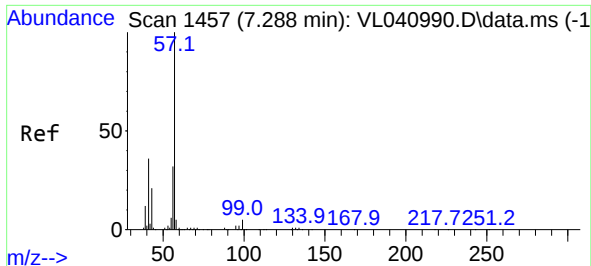
Tgt Ion: 78 Resp: 56440
Ion Ratio Lower Upper
78 100
77 19.6 19.0 28.4
50 10.7 15.8 23.6#



#39
1,2-Dichloropropane
Concen: 7.722 ppbv
RT: 6.613 min Scan# 1247
Delta R.T. -0.425 min
Lab File: VL041004.D
Acq: 23 Jan 2024 20:09

Tgt Ion: 63 Resp: 623566
Ion Ratio Lower Upper
63 100
41 0.0 59.6 89.4#
62 18.4 55.6 83.4#

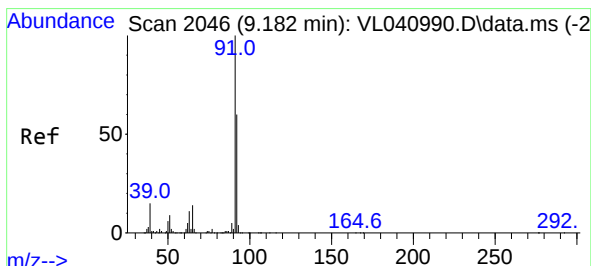
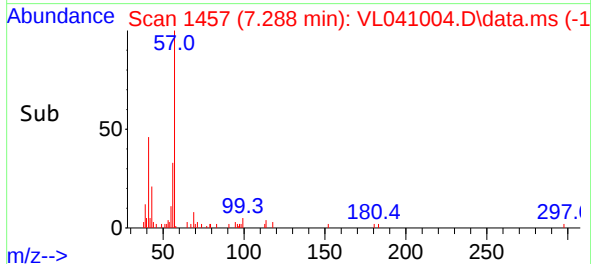
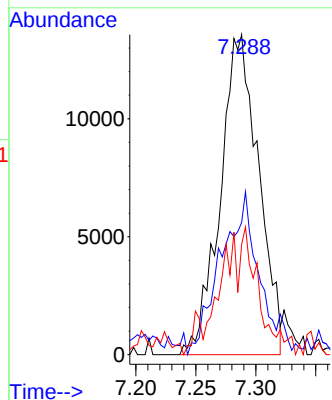
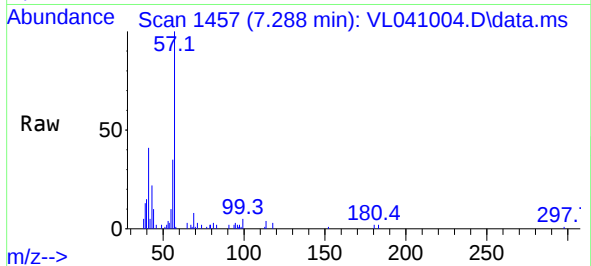




#44
2,2,4-Trimethylpentane
Concen: 0.087 ppbv
RT: 7.288 min Scan# 1457
Delta R.T. -0.000 min
Lab File: VL041004.D
Acq: 23 Jan 2024 20:09

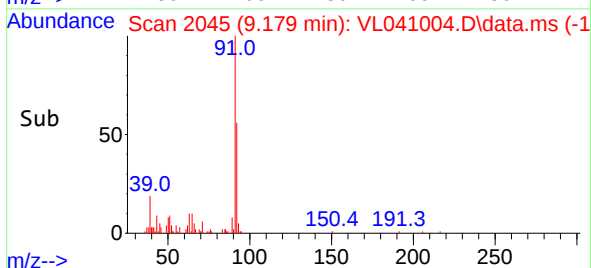
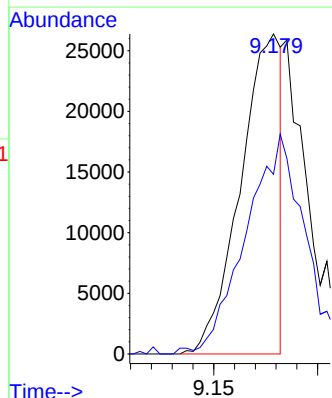
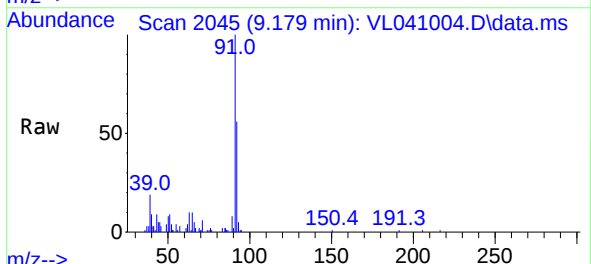
Instrument :
MSVOA_L
ClientSampleId :
OA1

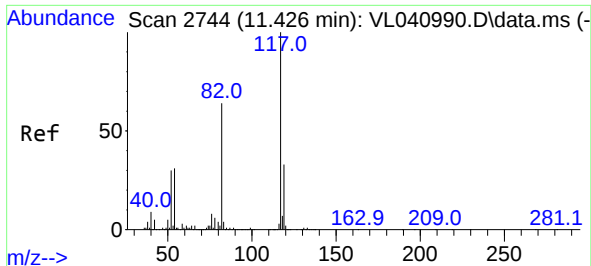
Tgt Ion: 57 Resp: 30166
Ion Ratio Lower Upper
57 100
41 56.3 28.6 43.0#
56 39.0 25.2 37.8#



#53
Toluene
Concen: 0.159 ppbv
RT: 9.179 min Scan# 2045
Delta R.T. -0.003 min
Lab File: VL041004.D
Acq: 23 Jan 2024 20:09

Tgt Ion: 91 Resp: 35806
Ion Ratio Lower Upper
91 100
92 0.0 48.6 72.8#

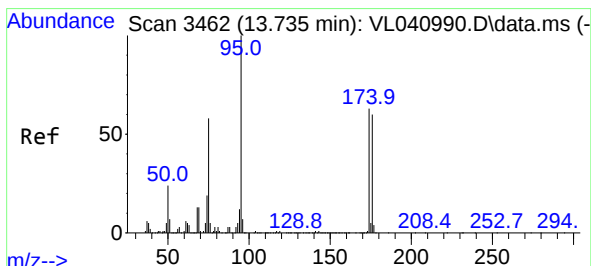
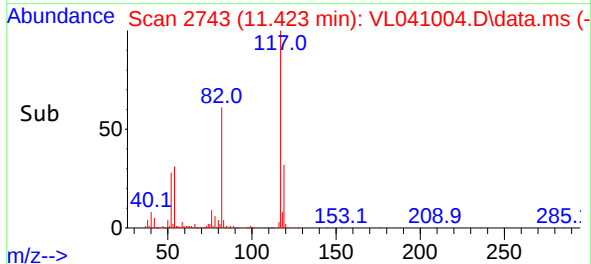
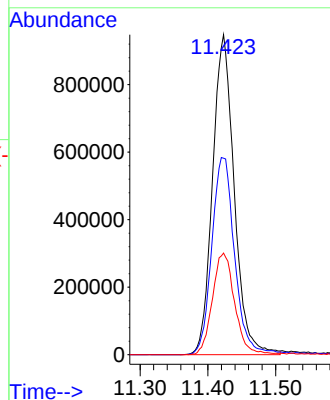
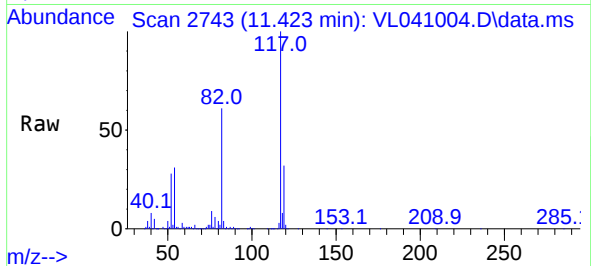




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.423 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL041004.D
Acq: 23 Jan 2024 20:09

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion:117 Resp: 2103979
Ion Ratio Lower Upper
117 100
82 65.6 51.7 77.5
119 33.1 23.8 35.6



#68
1-Bromo-4-Fluorobenzene
Concen: 9.856 ppbv
RT: 13.735 min Scan# 3462
Delta R.T. -0.000 min
Lab File: VL041004.D
Acq: 23 Jan 2024 20:09

Tgt Ion: 95 Resp: 1566267
Ion Ratio Lower Upper
95 100
174 61.1 49.1 73.7
175 4.8 3.7 5.5

