

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080824\
 Data File : VL041508.D
 Acq On : 8 Aug 2024 11:41
 Operator : SY/MD
 Sample : P3454-01DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 E069-1100DL

Quant Time: Aug 09 05:53:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Aug 06 01:32:58 2024
 Response via : Initial Calibration

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

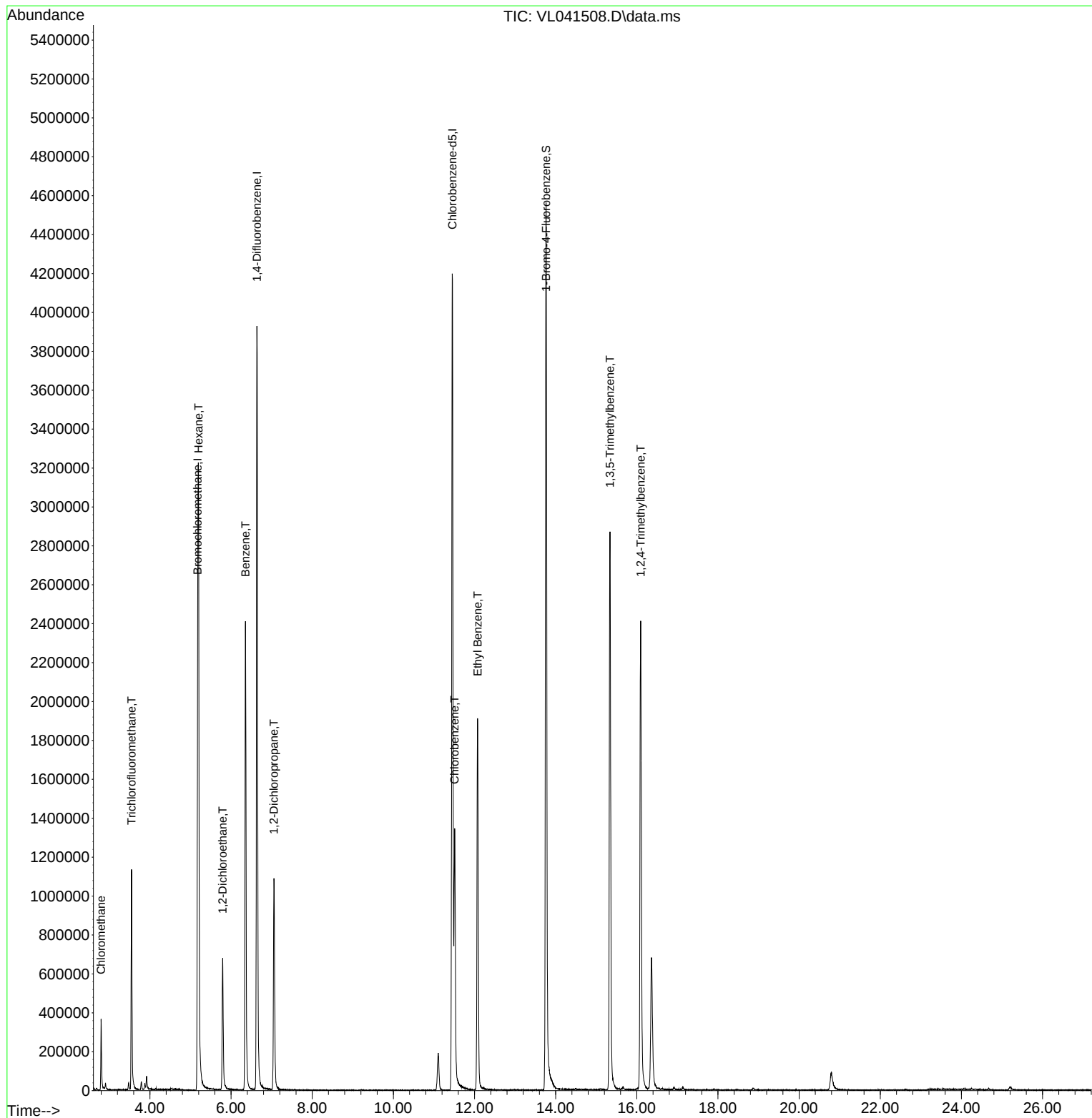
Internal Standards						
1) Bromochloromethane	5.176	49	1093918	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.639	114	2968543	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.452	117	2764278	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	2200195	10.343	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 103.400%	
Target Compounds						
					Qvalue	
4) Chloromethane	2.796	50	295465	4.266	ppbv	98
11) Trichlorofluoromethane	3.546	101	732015	4.380	ppbv	98
26) Hexane	5.198	57	992836	9.693	ppbv #	37
36) Benzene	6.356	78	2022211	9.323	ppbv	100
37) 1,2-Dichloroethane	5.793	62	586595	4.832	ppbv	100
39) 1,2-Dichloropropane	7.057	63	382718	4.609	ppbv	96
57) Chlorobenzene	11.510	112	813133	4.132	ppbv	99
58) Ethyl Benzene	12.076	91	1733818	5.442	ppbv	98
73) 1,3,5-Trimethylbenzene	15.339	105	2337633	8.858	ppbv	98
74) 1,2,4-Trimethylbenzene	16.095	105	2031342	6.621	ppbv #	70

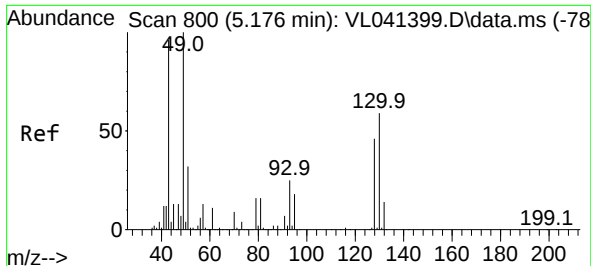
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
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Response via : Initial Calibration

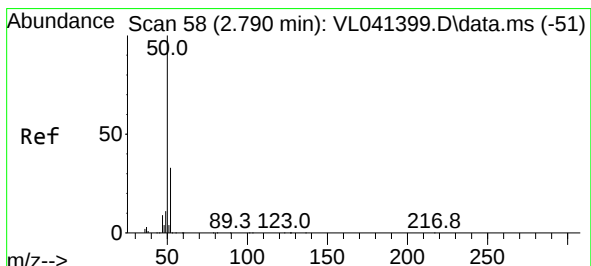
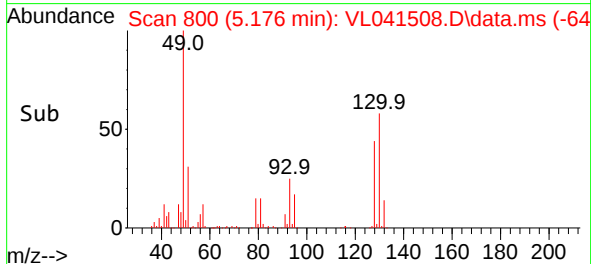
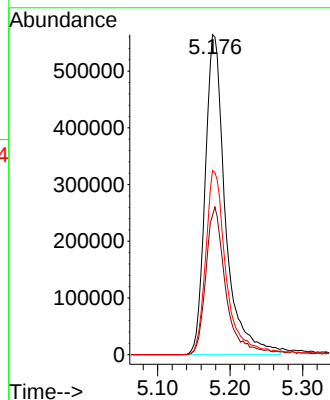
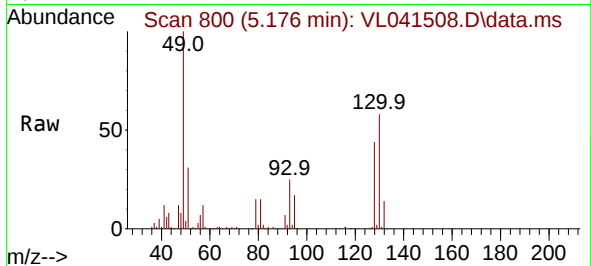




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.176 min Scan# 80
Delta R.T. -0.013 min
Lab File: VL041508.D
Acq: 8 Aug 2024 11:41

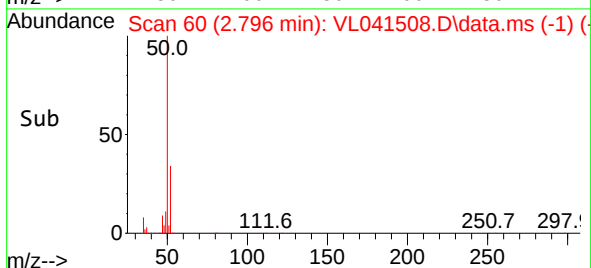
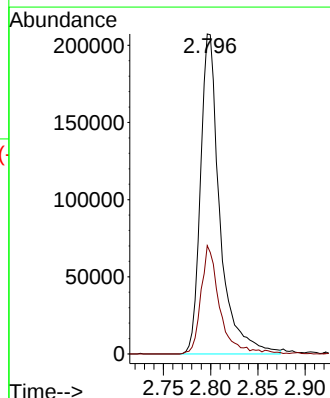
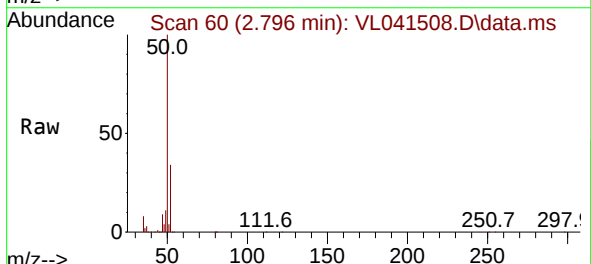
Instrument :
MSVOA_L
ClientSampleId :
E069-1100DL

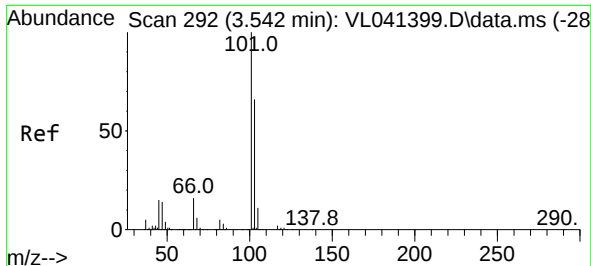
Tgt Ion: 49 Resp: 1093918
Ion Ratio Lower Upper
49 100
128 46.6 23.8 71.4
130 60.3 30.8 92.4



#4
Chloromethane
Concen: 4.266 ppbv
RT: 2.796 min Scan# 60
Delta R.T. -0.019 min
Lab File: VL041508.D
Acq: 8 Aug 2024 11:41

Tgt Ion: 50 Resp: 295465
Ion Ratio Lower Upper
50 100
52 33.9 26.1 39.1

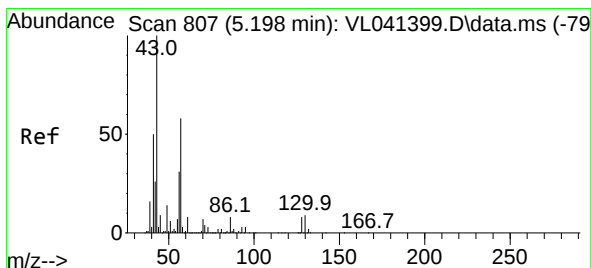
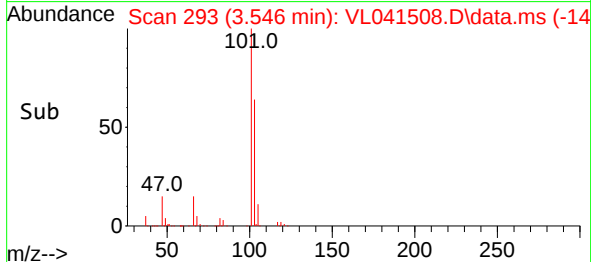
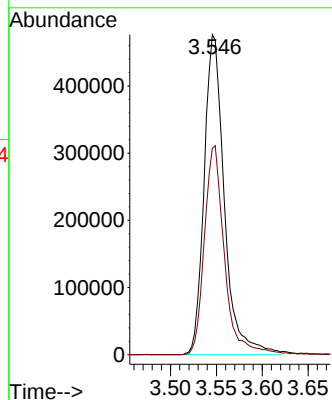
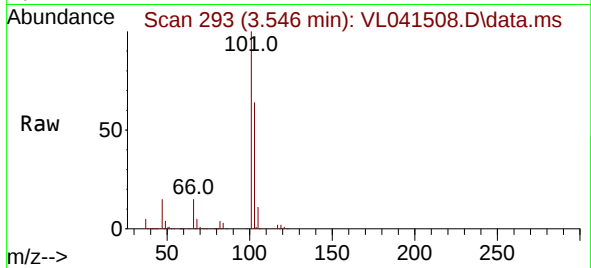




#11
 Trichlorofluoromethane
 Concen: 4.380 ppbv
 RT: 3.546 min Scan# 292
 Delta R.T. -0.016 min
 Lab File: VL041508.D
 Acq: 8 Aug 2024 11:41

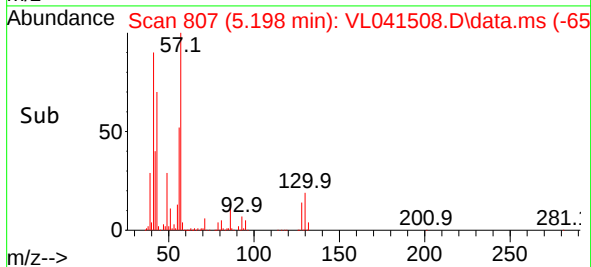
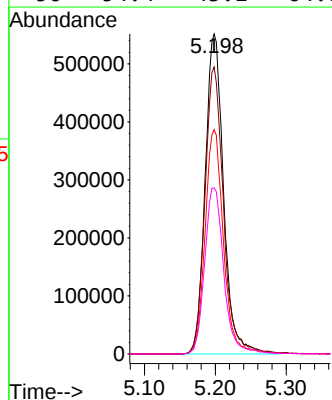
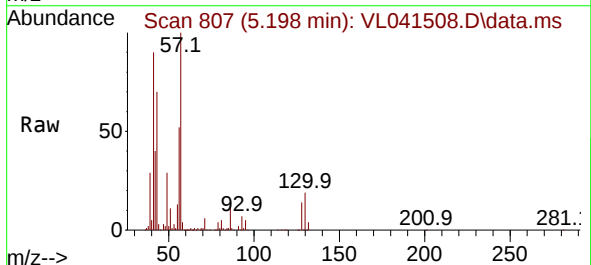
Instrument :
 MSVOA_L
 ClientSampleId :
 E069-1100DL

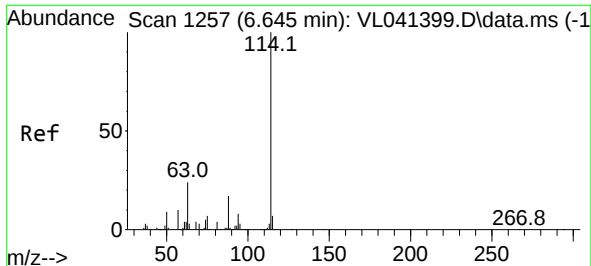
Tgt Ion:101 Resp: 732015
 Ion Ratio Lower Upper
 101 100
 103 64.5 52.6 79.0



#26
 Hexane
 Concen: 9.693 ppbv
 RT: 5.198 min Scan# 807
 Delta R.T. -0.013 min
 Lab File: VL041508.D
 Acq: 8 Aug 2024 11:41

Tgt Ion: 57 Resp: 992836
 Ion Ratio Lower Upper
 57 100
 41 91.4 74.0 111.0
 43 70.3 193.6 290.4#
 56 54.4 43.1 64.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.639 min Scan# 1125

Delta R.T. -0.010 min

Lab File: VL041508.D

Acq: 8 Aug 2024 11:41

Instrument :

MSVOA_L

ClientSampleId :

E069-1100DL

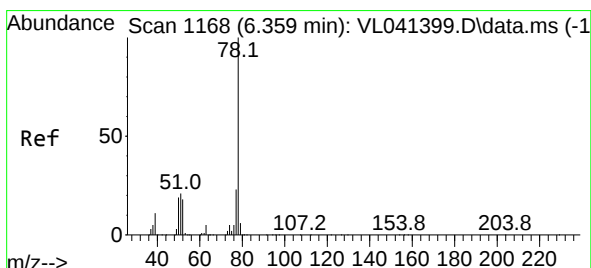
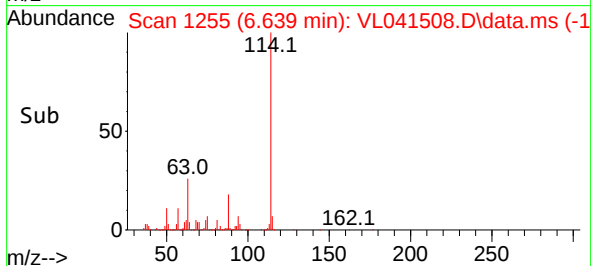
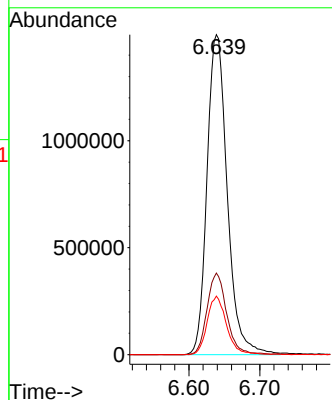
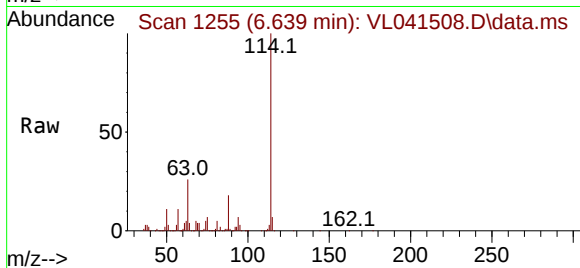
Tgt Ion:114 Resp: 2968543

Ion Ratio Lower Upper

114 100

63 25.1 20.3 30.5

88 17.7 14.3 21.5



#36

Benzene

Concen: 9.323 ppbv

RT: 6.356 min Scan# 1167

Delta R.T. -0.013 min

Lab File: VL041508.D

Acq: 8 Aug 2024 11:41

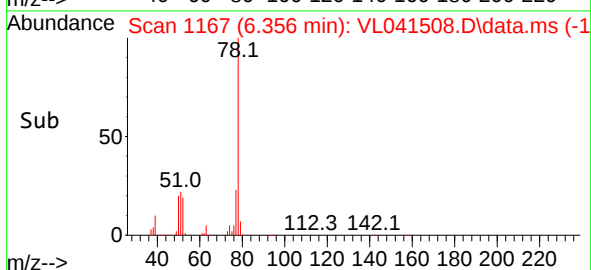
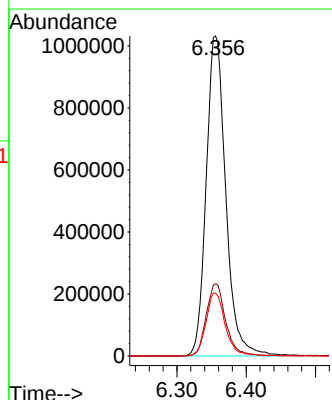
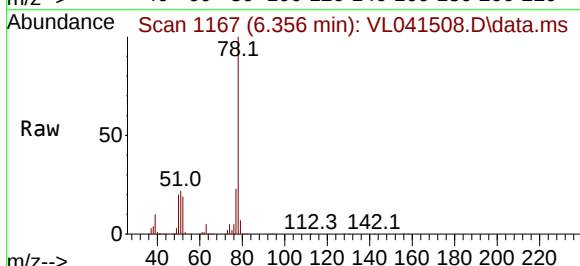
Tgt Ion: 78 Resp: 2022211

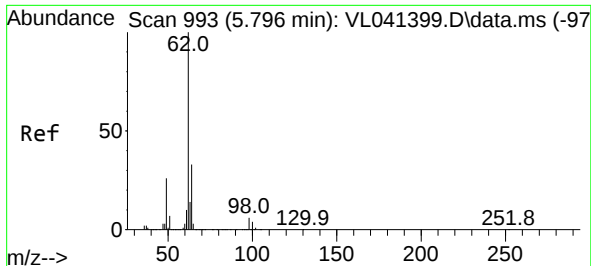
Ion Ratio Lower Upper

78 100

77 22.6 18.1 27.1

50 19.6 15.5 23.3





#37

1,2-Dichloroethane

Concen: 4.832 ppbv

RT: 5.793 min Scan# 993

Delta R.T. -0.013 min

Lab File: VL041508.D

Acq: 8 Aug 2024 11:41

Instrument :

MSVOA_L

ClientSampleId :

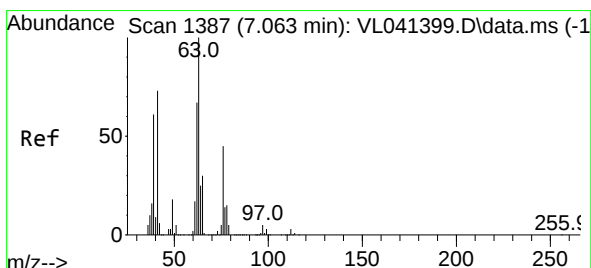
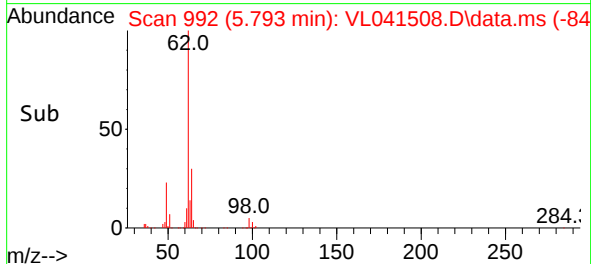
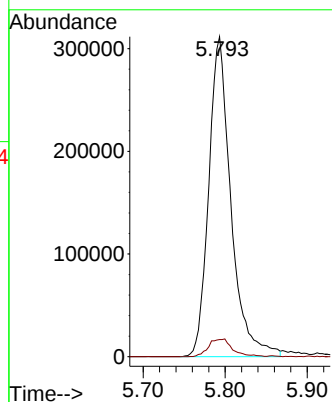
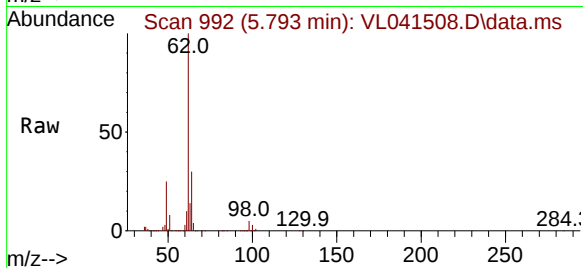
E069-1100DL

Tgt Ion: 62 Resp: 586595

Ion Ratio Lower Upper

62 100

98 6.1 5.0 7.4



#39

1,2-Dichloropropane

Concen: 4.609 ppbv

RT: 7.057 min Scan# 1385

Delta R.T. -0.013 min

Lab File: VL041508.D

Acq: 8 Aug 2024 11:41

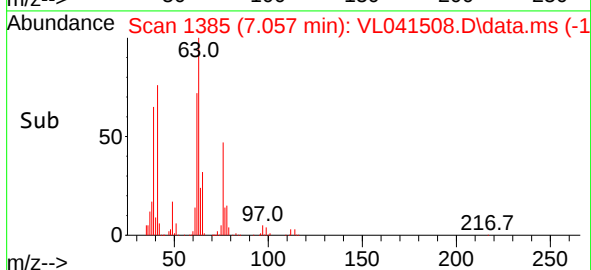
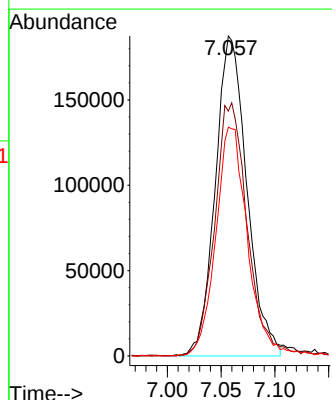
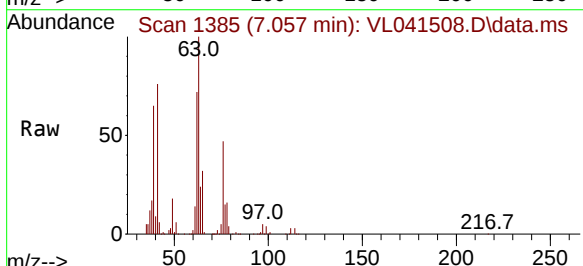
Tgt Ion: 63 Resp: 382718

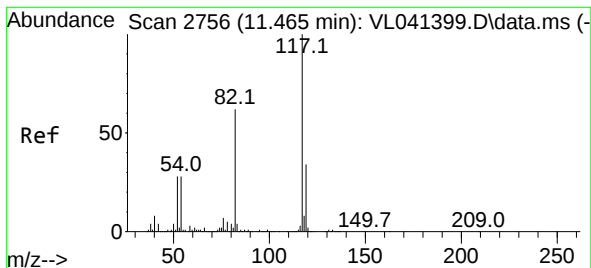
Ion Ratio Lower Upper

63 100

41 76.2 58.3 87.5

62 71.2 53.9 80.9

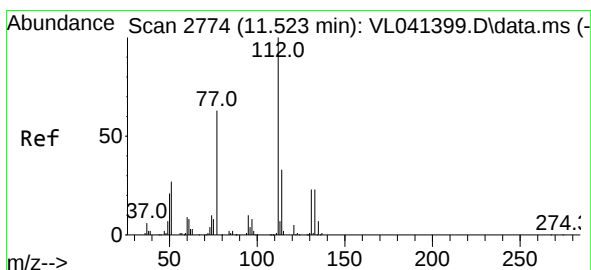
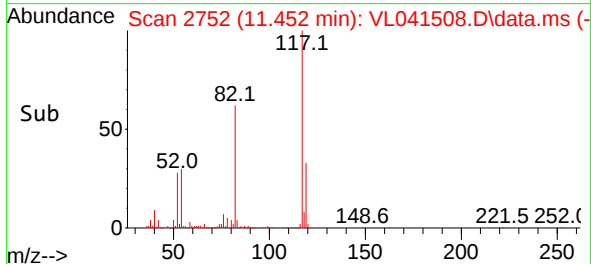
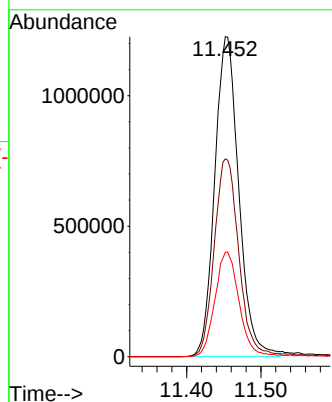
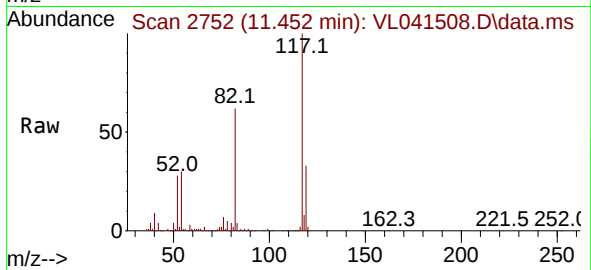




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.452 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL041508.D
Acq: 8 Aug 2024 11:41

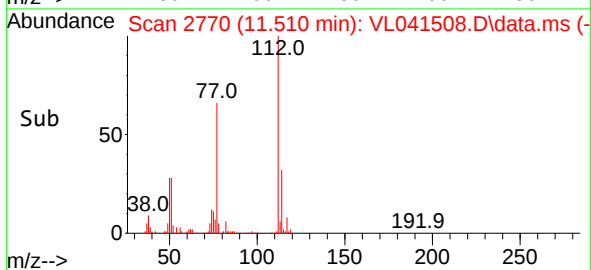
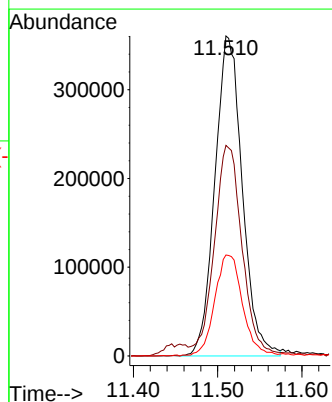
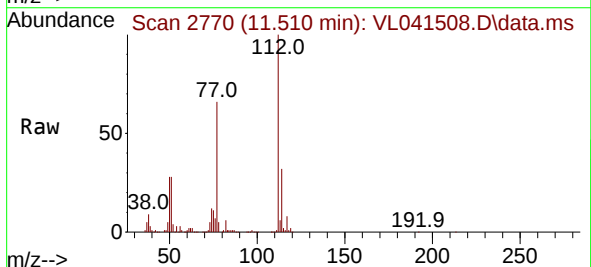
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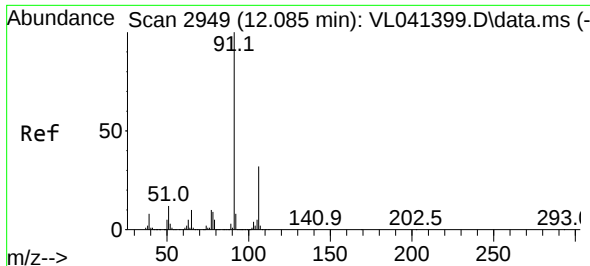
Tgt Ion:117 Resp: 2764278
Ion Ratio Lower Upper
117 100
82 64.2 51.0 76.6
119 33.6 45.2 67.8#



#57
Chlorobenzene
Concen: 4.132 ppbv
RT: 11.510 min Scan# 2770
Delta R.T. -0.010 min
Lab File: VL041508.D
Acq: 8 Aug 2024 11:41

Tgt Ion:112 Resp: 813133
Ion Ratio Lower Upper
112 100
77 64.7 51.1 76.7
114 31.6 29.5 36.1

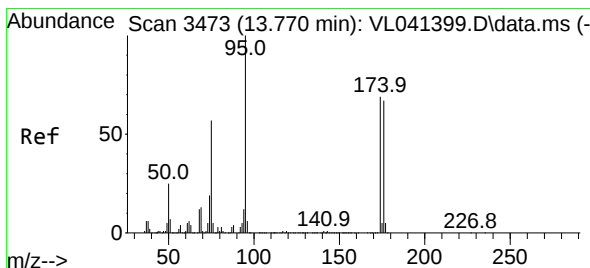
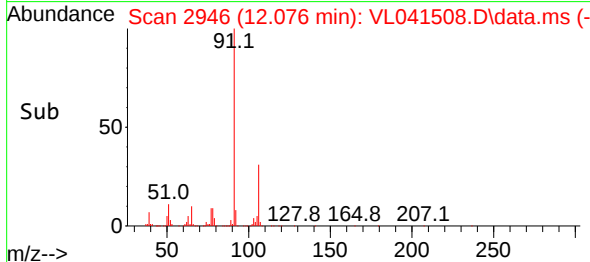
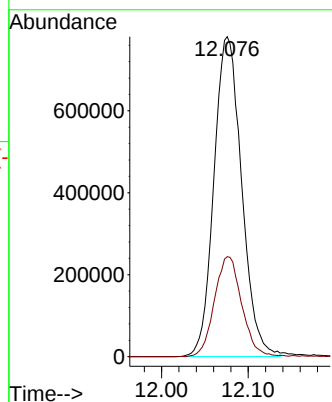
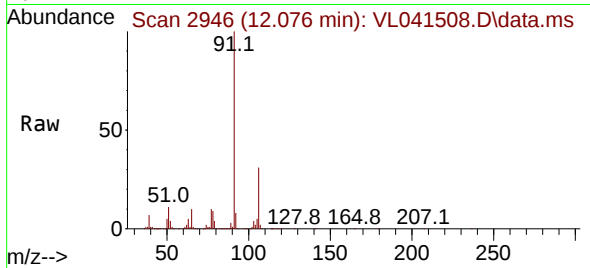




#58
Ethyl Benzene
Concen: 5.442 ppbv
RT: 12.076 min Scan# 2946
Delta R.T. -0.010 min
Lab File: VL041508.D
Acq: 8 Aug 2024 11:41

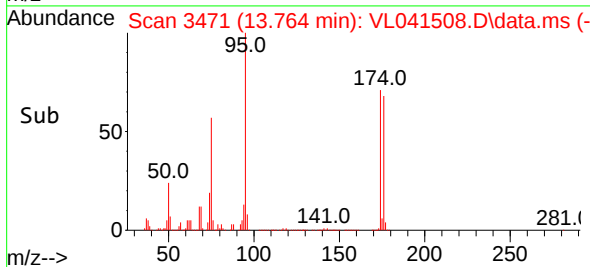
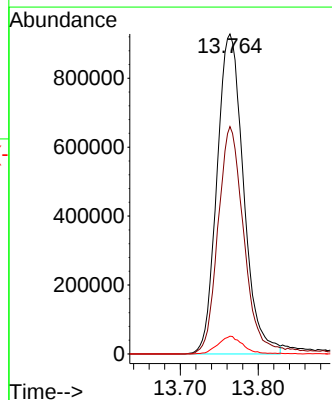
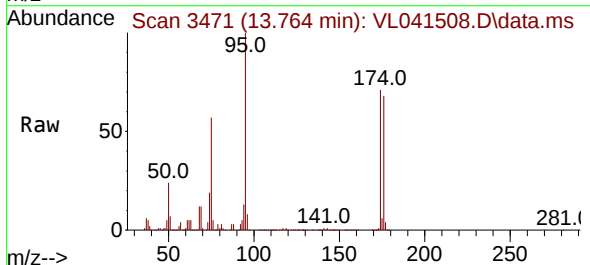
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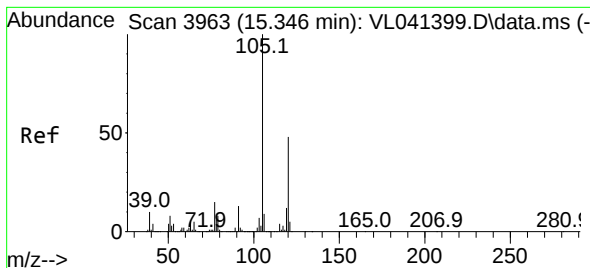
Tgt Ion: 91 Resp: 1733818
Ion Ratio Lower Upper
91 100
106 31.2 25.8 38.8



#68
1-Bromo-4-Fluorobenzene
Concen: 10.343 ppbv
RT: 13.764 min Scan# 3471
Delta R.T. -0.003 min
Lab File: VL041508.D
Acq: 8 Aug 2024 11:41

Tgt Ion: 95 Resp: 2200195
Ion Ratio Lower Upper
95 100
174 71.7 56.3 84.5
175 5.3 4.0 6.0





#73

1,3,5-Trimethylbenzene

Concen: 8.858 ppbv

RT: 15.339 min Scan# 3961

Delta R.T. -0.006 min

Lab File: VL041508.D

Acq: 8 Aug 2024 11:41

Instrument :

MSVOA_1

ClientSampleId :

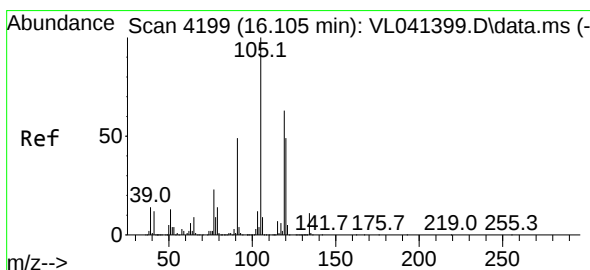
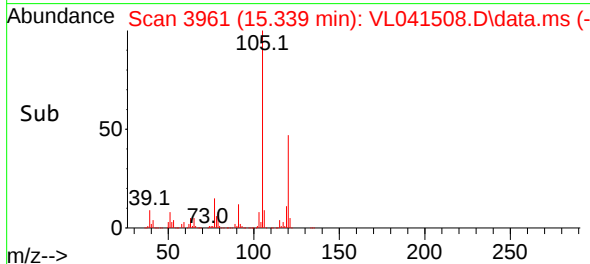
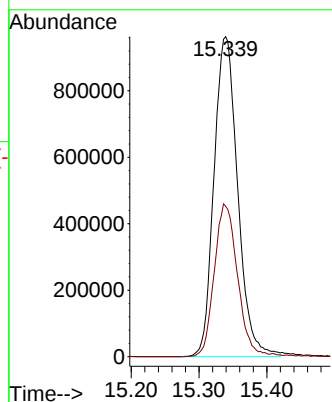
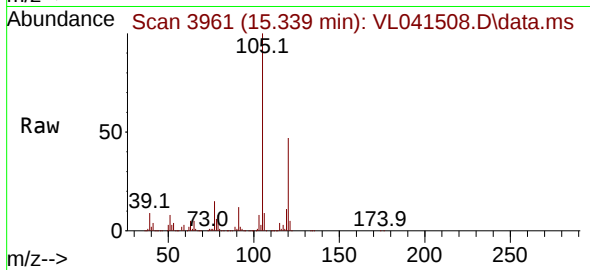
E069-1100DL

Tgt Ion:105 Resp: 2337633

Ion Ratio Lower Upper

105 100

120 47.0 38.6 57.8



#74

1,2,4-Trimethylbenzene

Concen: 6.621 ppbv

RT: 16.095 min Scan# 4196

Delta R.T. -0.006 min

Lab File: VL041508.D

Acq: 8 Aug 2024 11:41

Tgt Ion:105 Resp: 2031342

Ion Ratio Lower Upper

105 100

120 43.6 39.5 59.3

91 11.2 39.8 59.8#

77 13.8 18.2 27.4#

