

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080824\
 Data File : VL041509.D
 Acq On : 8 Aug 2024 12:23
 Operator : SY/MD
 Sample : P3454-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 E069-1100

Quant Time: Aug 09 05:53:55 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)

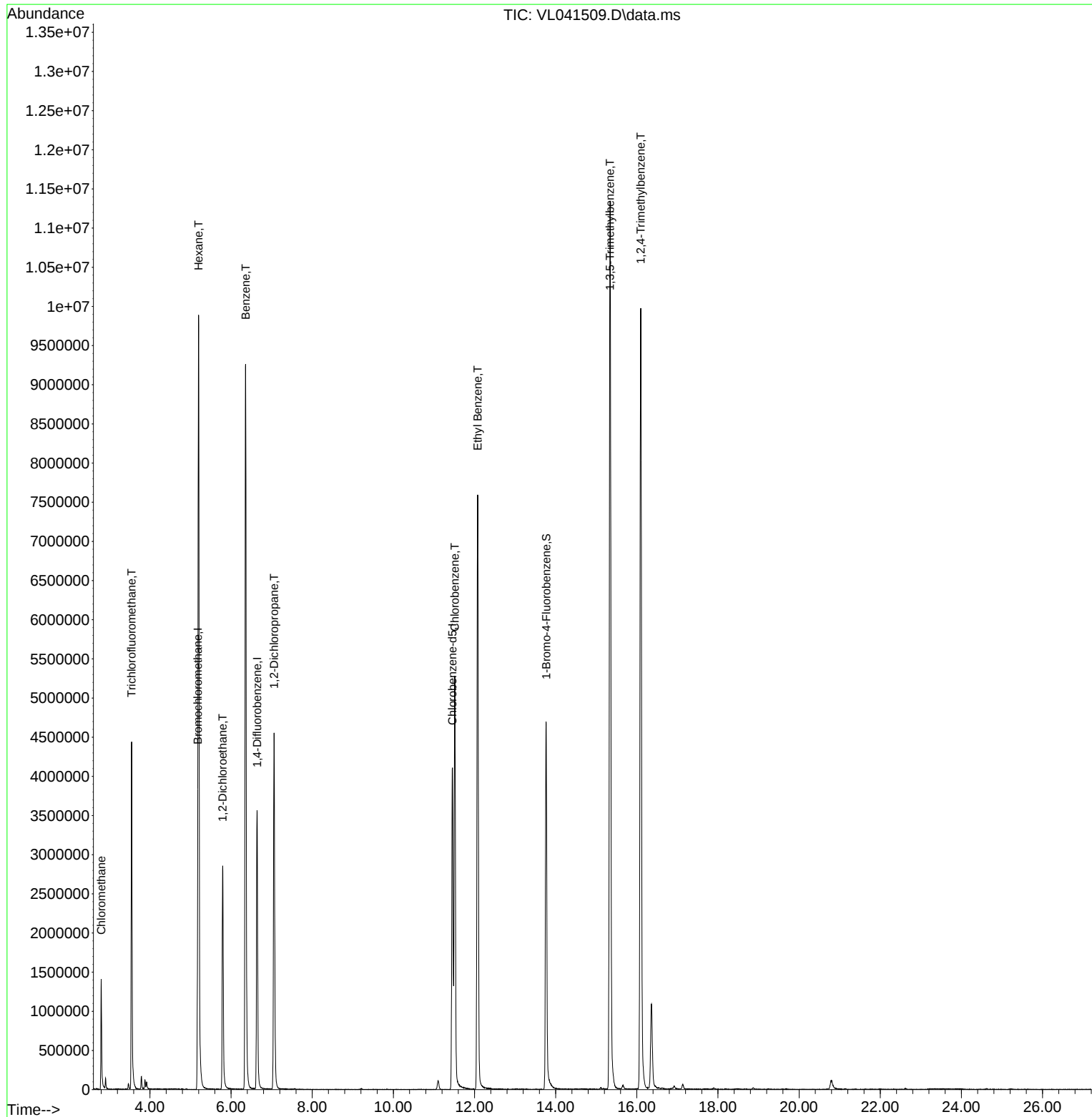
Internal Standards						
1) Bromochloromethane	5.179	49	909622	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.642	114	2696343	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.452	117	2680067	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.767	95	2353246	11.410	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	114.100%
Target Compounds						
					Qvalue	
4) Chloromethane	2.800	50	1197454	20.791	ppbv	99
11) Trichlorofluoromethane	3.549	101	2883594	20.749	ppbv	100
26) Hexane	5.198	57	4065522	47.732	ppbv #	36
36) Benzene	6.359	78	7809334	39.637	ppbv	95
37) 1,2-Dichloroethane	5.793	62	2432617	22.060	ppbv	100
39) 1,2-Dichloropropane	7.060	63	1680422	22.278	ppbv	96
57) Chlorobenzene	11.513	112	3375761	17.691	ppbv	99
58) Ethyl Benzene	12.076	91	7258371	23.497	ppbv	98
73) 1,3,5-Trimethylbenzene	15.343	105	9395416	36.723	ppbv	96
74) 1,2,4-Trimethylbenzene	16.098	105	8472323	28.483	ppbv #	75

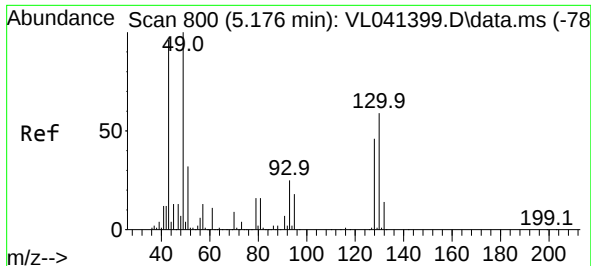
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 09 05:53:55 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

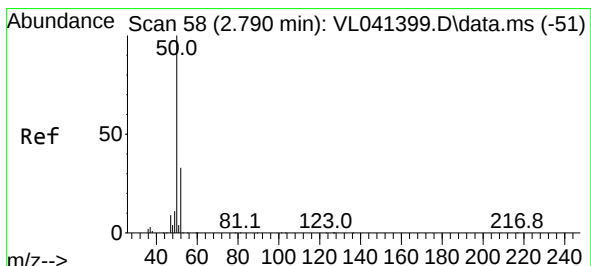
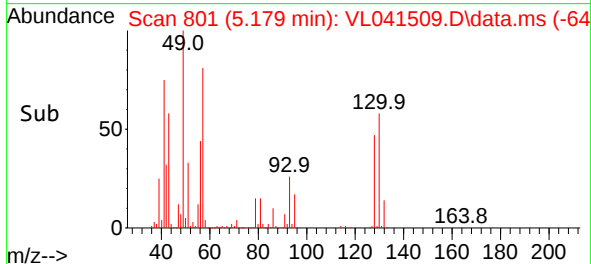
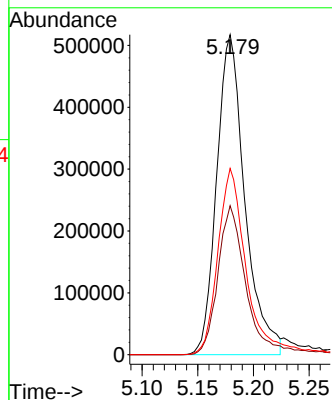
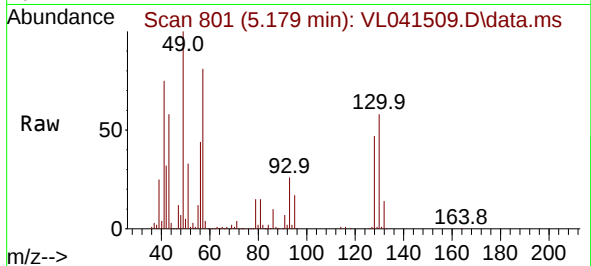




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.179 min Scan# 80
Delta R.T. -0.010 min
Lab File: VL041509.D
Acq: 8 Aug 2024 12:23

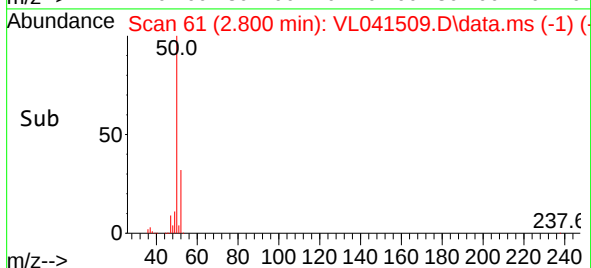
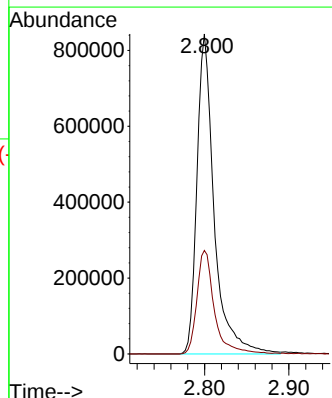
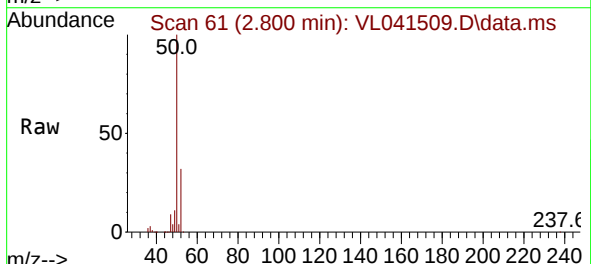
Instrument :
MSVOA_L
ClientSampleId :
E069-1100

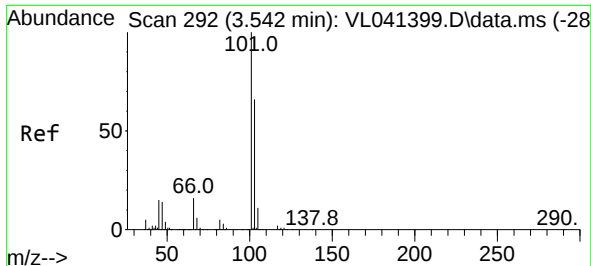
Tgt Ion: 49 Resp: 909622
Ion Ratio Lower Upper
49 100
128 48.0 23.8 71.4
130 60.4 30.8 92.4



#4
Chloromethane
Concen: 20.791 ppbv
RT: 2.800 min Scan# 61
Delta R.T. -0.016 min
Lab File: VL041509.D
Acq: 8 Aug 2024 12:23

Tgt Ion: 50 Resp: 1197454
Ion Ratio Lower Upper
50 100
52 32.3 26.1 39.1

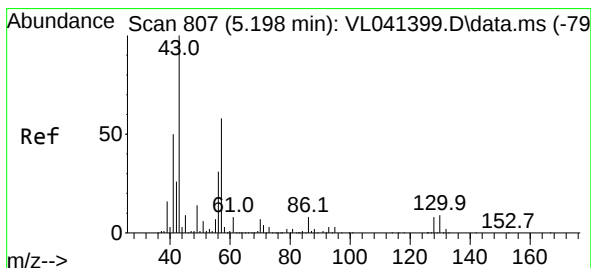
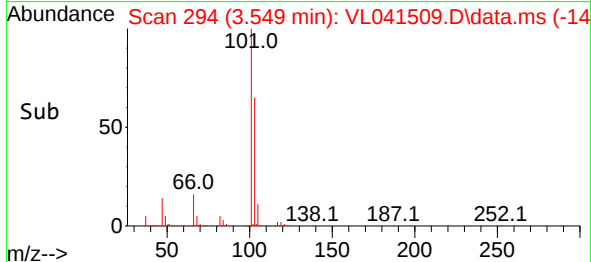
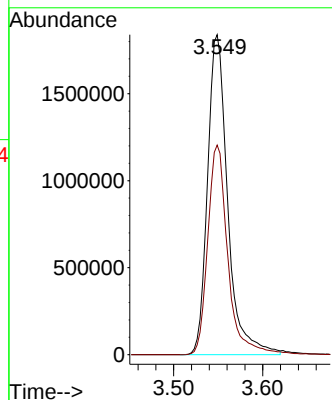
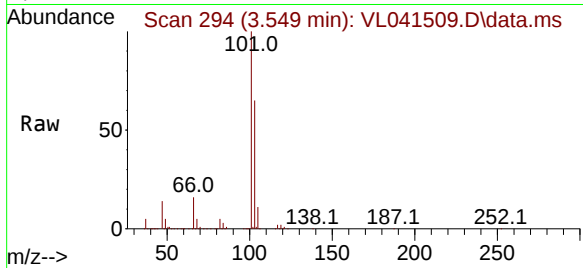




#11
Trichlorofluoromethane
Concen: 20.749 ppbv
RT: 3.549 min Scan# 292
Delta R.T. -0.013 min
Lab File: VL041509.D
Acq: 8 Aug 2024 12:23

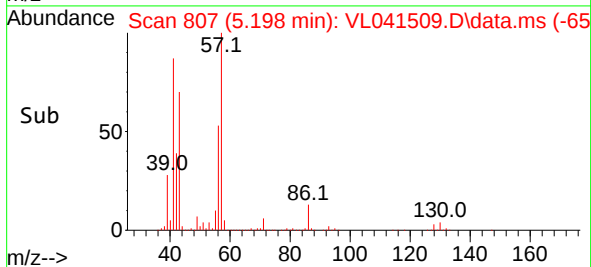
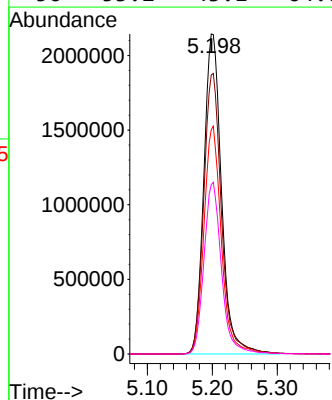
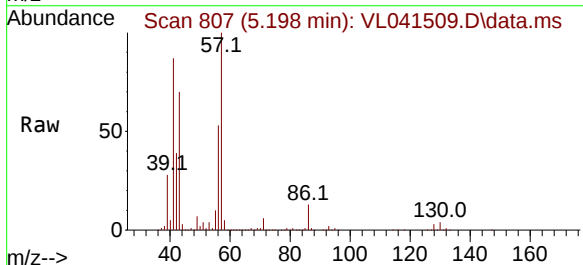
Instrument :
MSVOA_L
ClientSampleId :
E069-1100

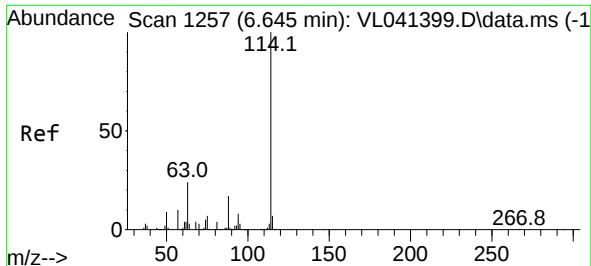
Tgt Ion:101 Resp: 2883594
Ion Ratio Lower Upper
101 100
103 65.5 52.6 79.0



#26
Hexane
Concen: 47.732 ppbv
RT: 5.198 min Scan# 807
Delta R.T. -0.013 min
Lab File: VL041509.D
Acq: 8 Aug 2024 12:23

Tgt Ion: 57 Resp: 4065522
Ion Ratio Lower Upper
57 100
41 88.6 74.0 111.0
43 70.2 193.6 290.4#
56 53.2 43.1 64.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.642 min Scan# 1125

Delta R.T. -0.006 min

Lab File: VL041509.D

Acq: 8 Aug 2024 12:23

Instrument :

MSVOA_L

ClientSampleId :

E069-1100

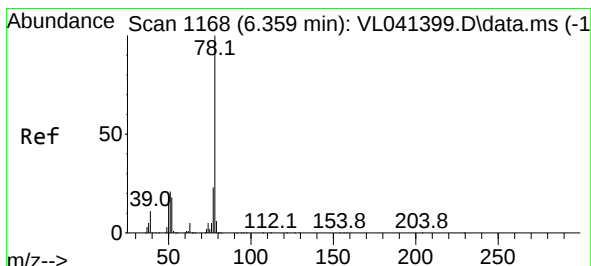
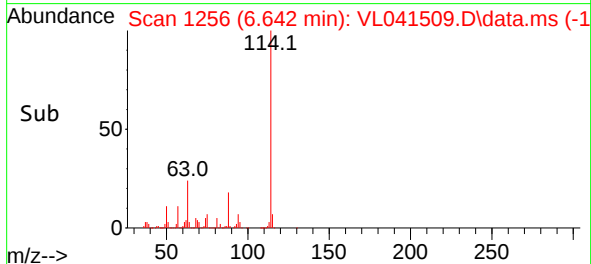
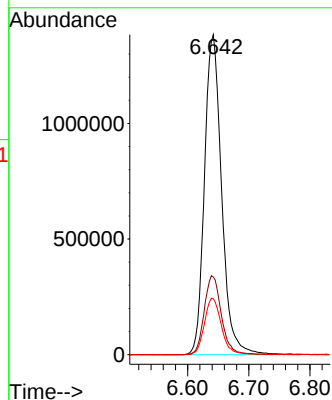
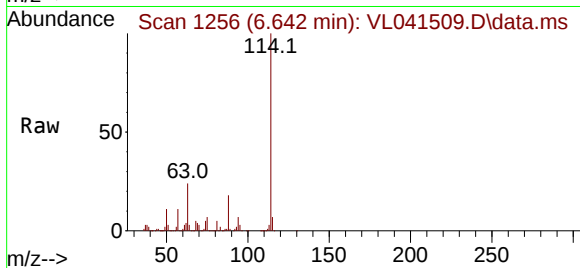
Tgt Ion:114 Resp: 2696343

Ion Ratio Lower Upper

114 100

63 24.8 20.3 30.5

88 17.5 14.3 21.5



#36

Benzene

Concen: 39.637 ppbv

RT: 6.359 min Scan# 1168

Delta R.T. -0.010 min

Lab File: VL041509.D

Acq: 8 Aug 2024 12:23

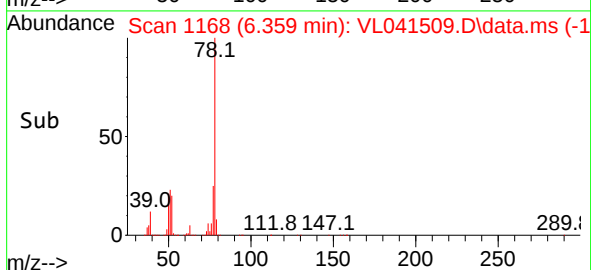
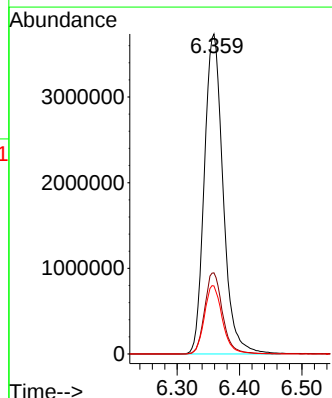
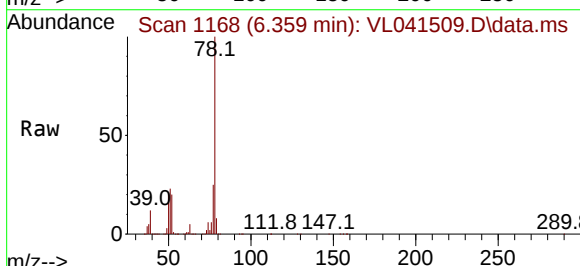
Tgt Ion: 78 Resp: 7809334

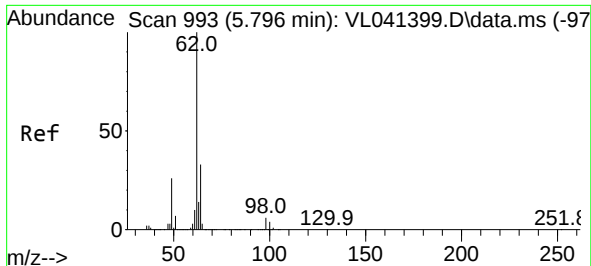
Ion Ratio Lower Upper

78 100

77 25.3 18.1 27.1

50 21.2 15.5 23.3





#37

1,2-Dichloroethane

Concen: 22.060 ppbv

RT: 5.793 min Scan# 993

Delta R.T. -0.013 min

Lab File: VL041509.D

Acq: 8 Aug 2024 12:23

Instrument :

MSVOA_L

ClientSampleId :

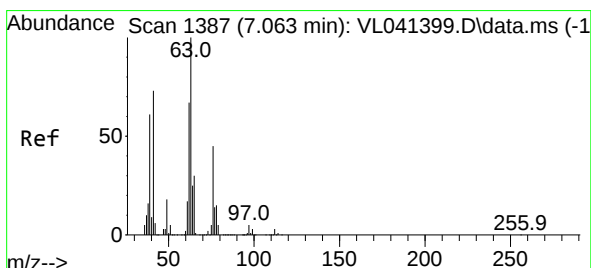
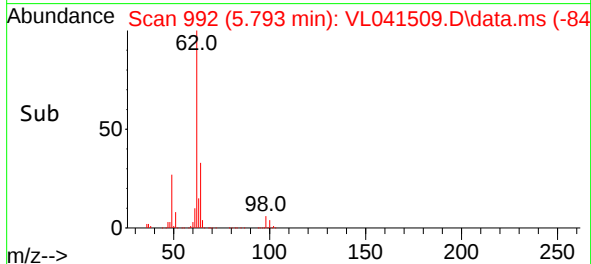
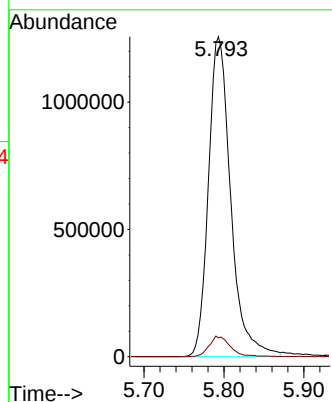
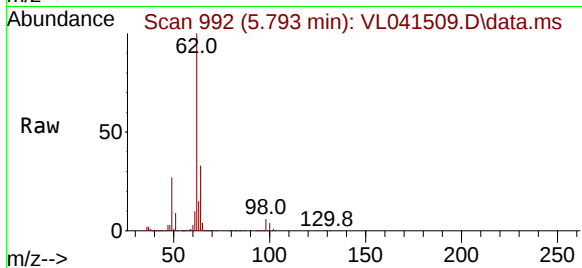
E069-1100

Tgt Ion: 62 Resp: 2432617

Ion Ratio Lower Upper

62 100

98 6.2 5.0 7.4



#39

1,2-Dichloropropane

Concen: 22.278 ppbv

RT: 7.060 min Scan# 1386

Delta R.T. -0.010 min

Lab File: VL041509.D

Acq: 8 Aug 2024 12:23

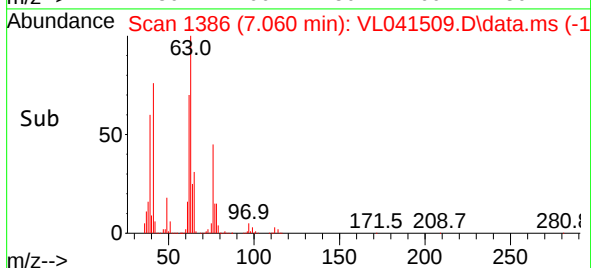
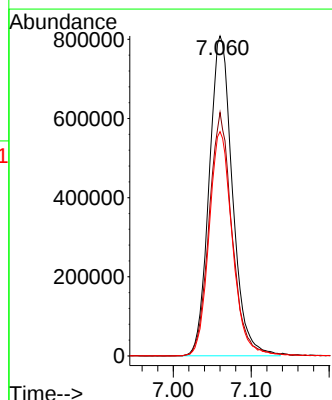
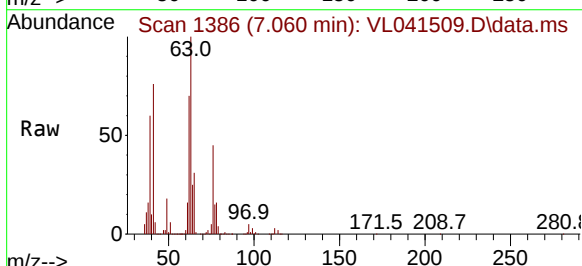
Tgt Ion: 63 Resp: 1680422

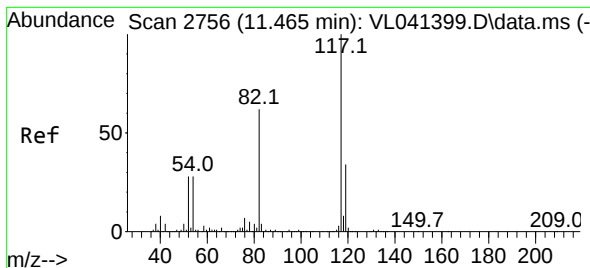
Ion Ratio Lower Upper

63 100

41 76.1 58.3 87.5

62 70.1 53.9 80.9

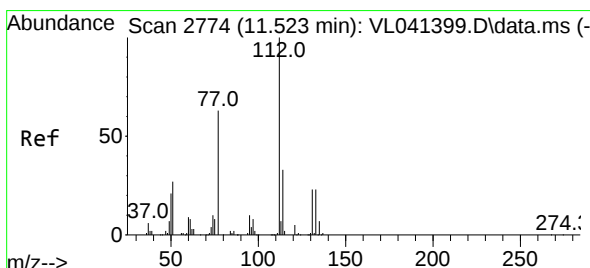
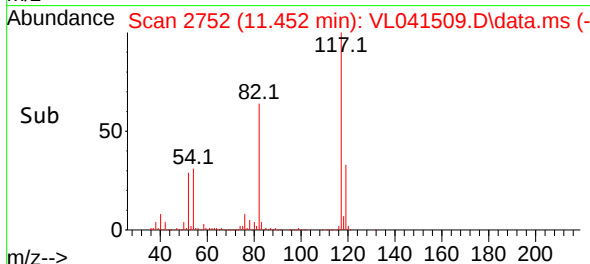
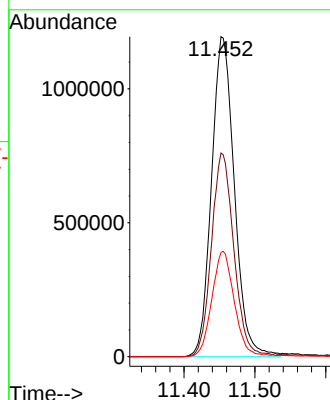
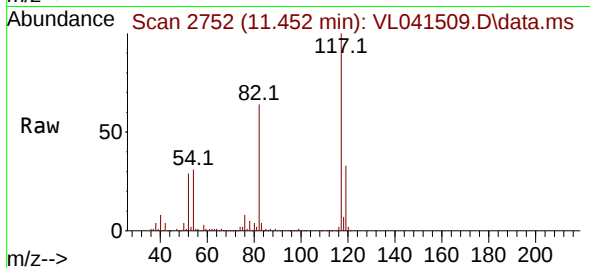




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.452 min Scan# 21
Delta R.T. -0.010 min
Lab File: VL041509.D
Acq: 8 Aug 2024 12:23

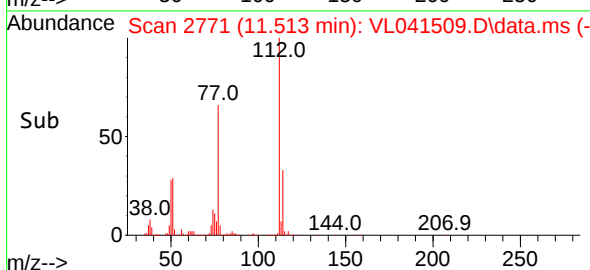
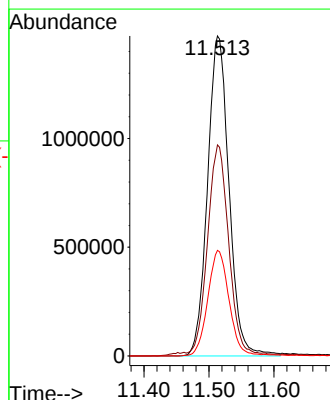
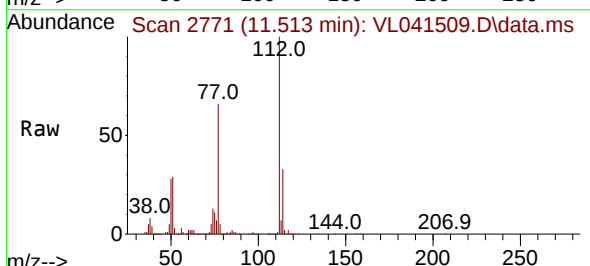
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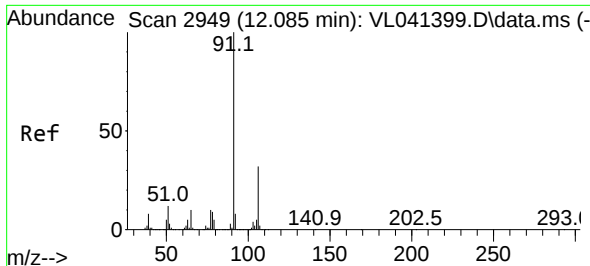
Tgt Ion:117 Resp: 2680067
Ion Ratio Lower Upper
117 100
82 63.9 51.0 76.6
119 33.1 45.2 67.8#



#57
Chlorobenzene
Concen: 17.691 ppbv
RT: 11.513 min Scan# 2771
Delta R.T. -0.006 min
Lab File: VL041509.D
Acq: 8 Aug 2024 12:23

Tgt Ion:112 Resp: 3375761
Ion Ratio Lower Upper
112 100
77 65.5 51.1 76.7
114 33.0 29.5 36.1

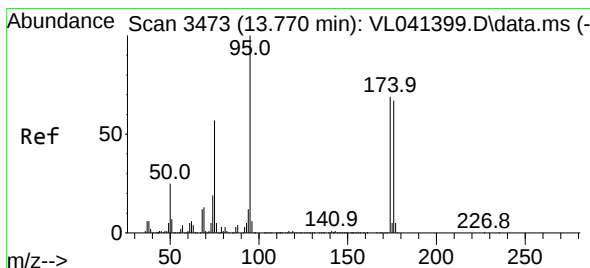
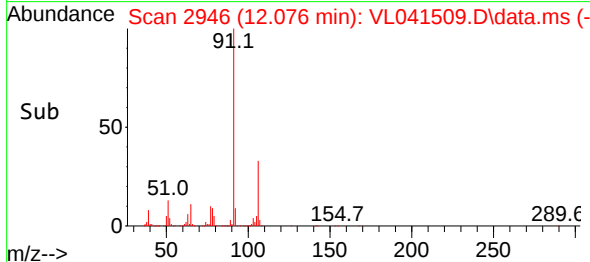
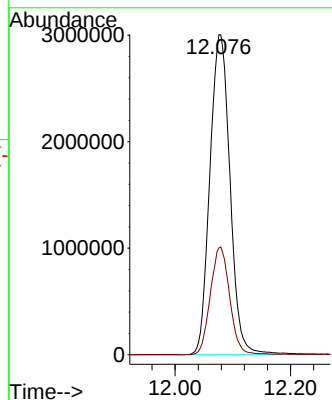
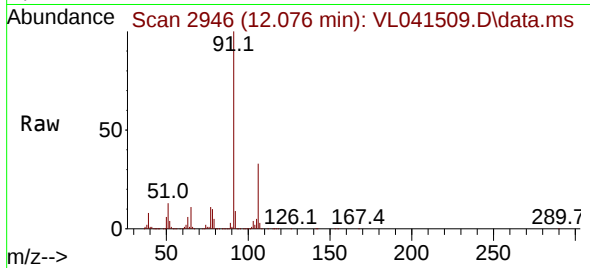




#58
Ethyl Benzene
Concen: 23.497 ppbv
RT: 12.076 min Scan# 2946
Delta R.T. -0.010 min
Lab File: VL041509.D
Acq: 8 Aug 2024 12:23

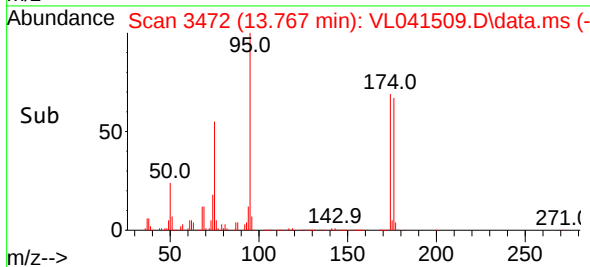
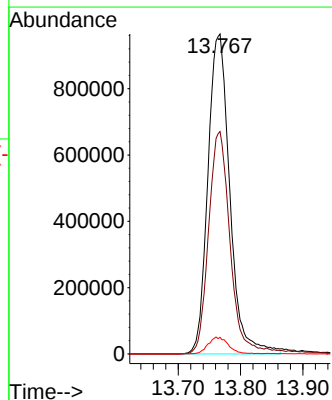
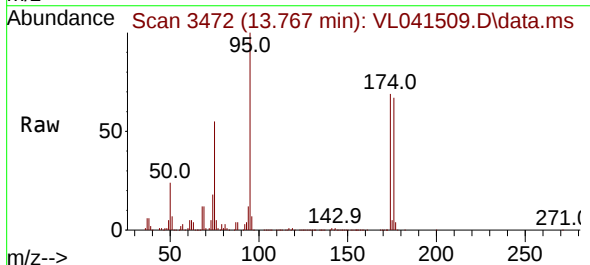
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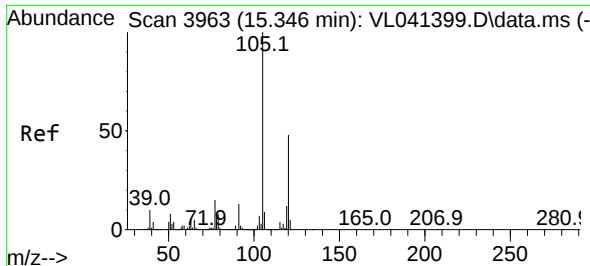
Tgt Ion: 91 Resp: 7258371
Ion Ratio Lower Upper
91 100
106 33.4 25.8 38.8



#68
1-Bromo-4-Fluorobenzene
Concen: 11.410 ppbv
RT: 13.767 min Scan# 3472
Delta R.T. 0.000 min
Lab File: VL041509.D
Acq: 8 Aug 2024 12:23

Tgt Ion: 95 Resp: 2353246
Ion Ratio Lower Upper
95 100
174 69.3 56.3 84.5
175 5.0 4.0 6.0

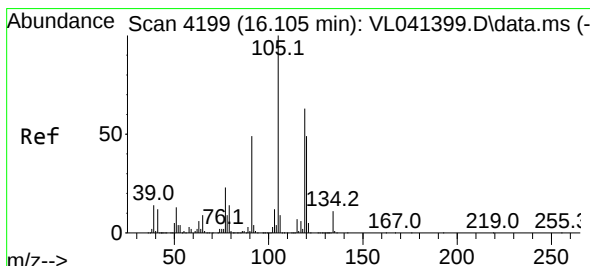
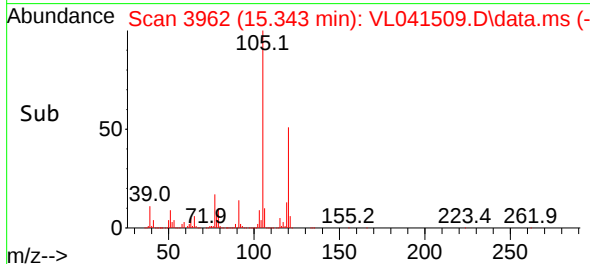
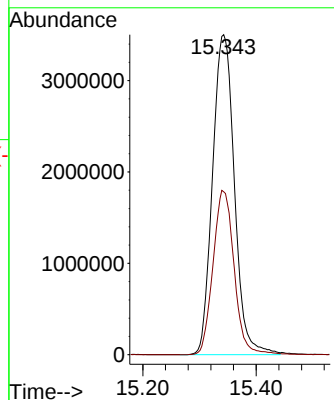
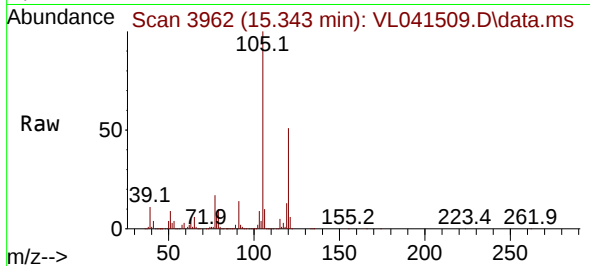




#73
 1,3,5-Trimethylbenzene
 Concen: 36.723 ppbv
 RT: 15.343 min Scan# 3962
 Delta R.T. -0.003 min
 Lab File: VL041509.D
 Acq: 8 Aug 2024 12:23

Instrument :
 MSVOA_L
 ClientSampleId :
 E069-1100

Tgt Ion:105 Resp: 9395416
 Ion Ratio Lower Upper
 105 100
 120 50.9 38.6 57.8



#74
 1,2,4-Trimethylbenzene
 Concen: 28.483 ppbv
 RT: 16.098 min Scan# 4197
 Delta R.T. -0.003 min
 Lab File: VL041509.D
 Acq: 8 Aug 2024 12:23

Tgt Ion:105 Resp: 8472323
 Ion Ratio Lower Upper
 105 100
 120 48.0 39.5 59.3
 91 12.9 39.8 59.8#
 77 16.2 18.2 27.4#

