

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060524\
 Data File : VL041336.D
 Acq On : 5 Jun 2024 20:53
 Operator : SY/MD
 Sample : P2716-02DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 06 04:43:35 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060424AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Jun 05 04:42:10 2024
 Response via : Initial Calibration

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

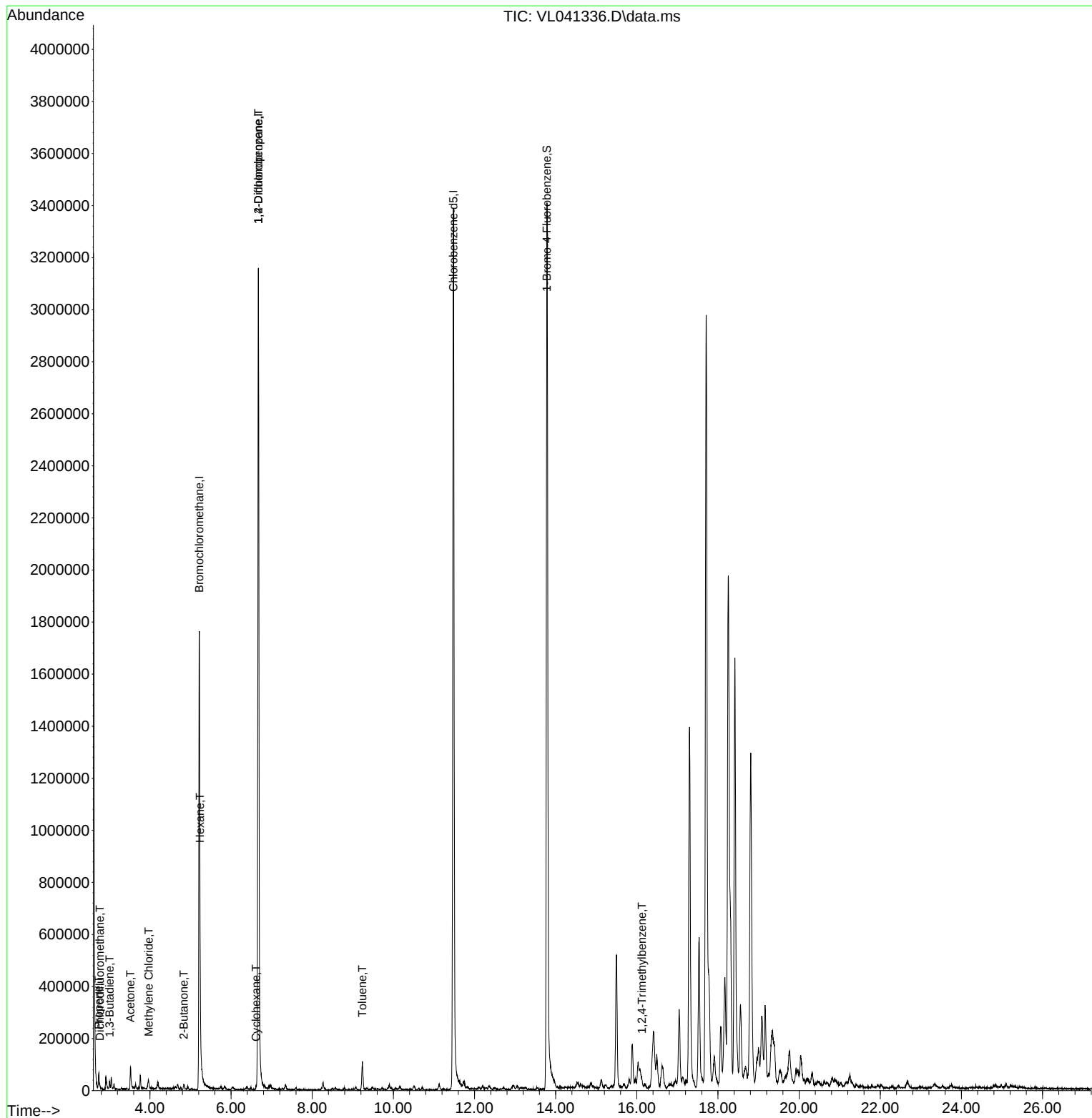
Internal Standards						
1) Bromochloromethane	5.214	49	923197	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.674	114	2447637	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.478	117	2210212	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.786	95	1728623	10.130	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.767	85	5009	0.034	ppbv #	76
9) Propene	2.735	41	19879	0.383	ppbv	94
15) Acetone	3.520	43	69031	0.655	ppbv #	90
16) 1,3-Butadiene	3.005	39	7853	0.148	ppbv #	22
20) Methylene Chloride	3.970	84	7930	0.207	ppbv #	64
26) Hexane	5.234	57	5761	0.061	ppbv #	1
30) Cyclohexane	6.616	84	2759	0.036	ppbv #	21
34) 2-Butanone	4.835	43	25923	0.221	ppbv	99
39) 1,2-Dichloropropane	6.674	63	634202	8.395	ppbv #	25
53) Toluene	9.237	91	72716	0.333	ppbv	98
74) 1,2,4-Trimethylbenzene	16.124	105	10727	0.041	ppbv #	75

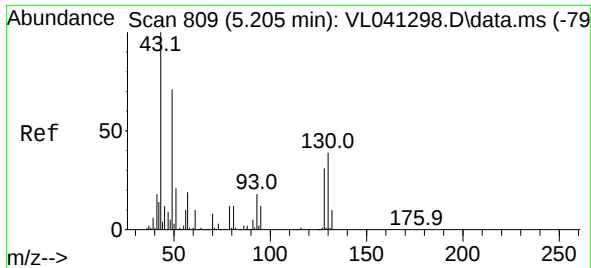
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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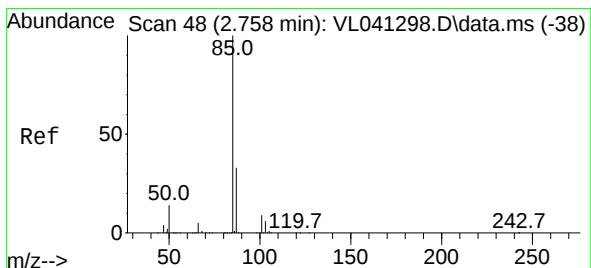
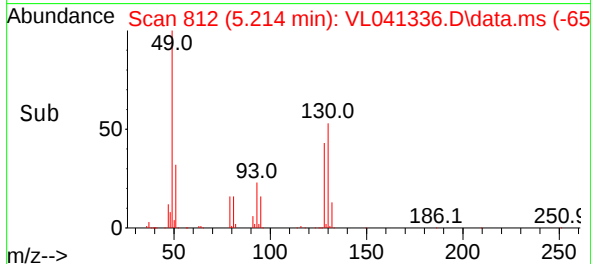
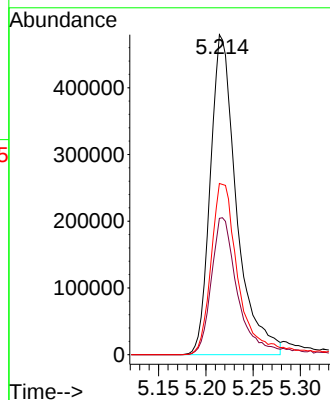
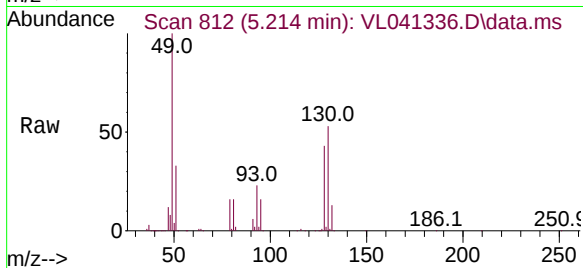




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.214 min Scan# 81
 Delta R.T. 0.009 min
 Lab File: VL041336.D
 Acq: 5 Jun 2024 20:53

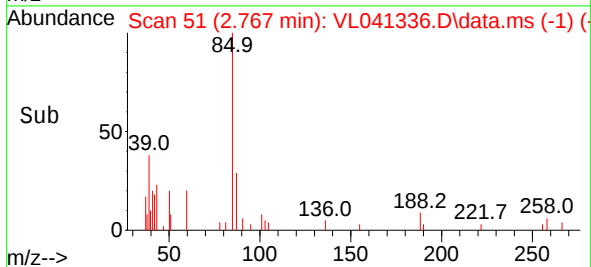
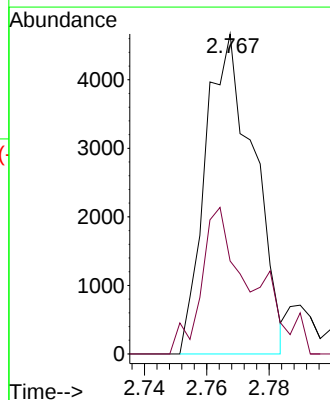
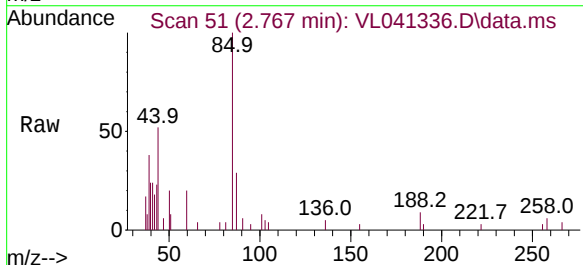
Instrument :
 MSVOA_L
 ClientSampleId :

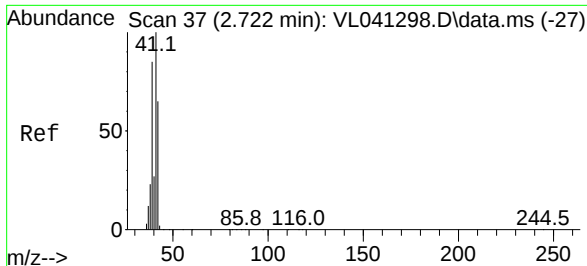
Tgt Ion: 49 Resp: 923197
 Ion Ratio Lower Upper
 49 100
 128 44.8 22.8 68.3
 130 57.4 28.4 85.3



#2
 Dichlorodifluoromethane
 Concen: 0.034 ppbv
 RT: 2.767 min Scan# 51
 Delta R.T. 0.010 min
 Lab File: VL041336.D
 Acq: 5 Jun 2024 20:53

Tgt Ion: 85 Resp: 5009
 Ion Ratio Lower Upper
 85 100
 87 19.3 26.5 39.7#





#9

Propene

Concen: 0.383 ppbv

RT: 2.735 min Scan# 41

Delta R.T. 0.013 min

Lab File: VL041336.D

Acq: 5 Jun 2024 20:53

Instrument :

MSVOA_L

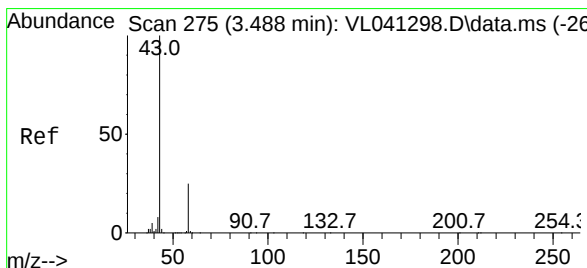
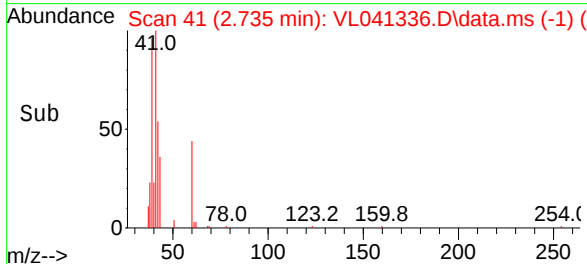
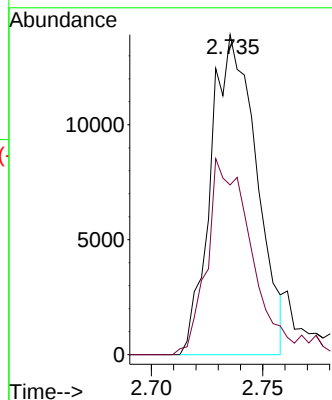
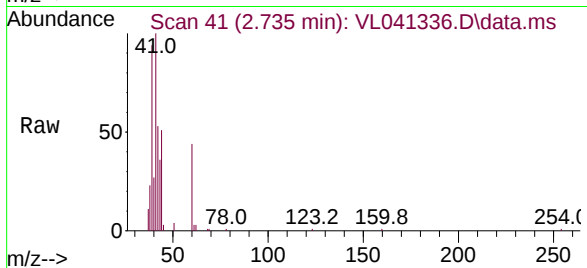
ClientSampleId :

Tgt Ion: 41 Resp: 19879

Ion Ratio Lower Upper

41 100

42 64.4 55.2 82.8



#15

Acetone

Concen: 0.655 ppbv

RT: 3.520 min Scan# 285

Delta R.T. 0.032 min

Lab File: VL041336.D

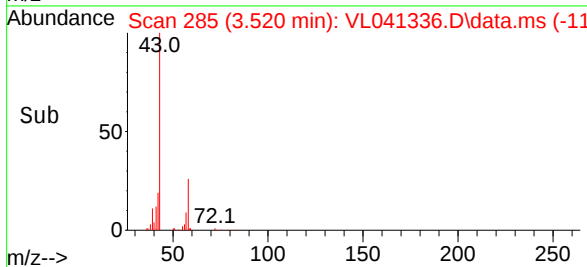
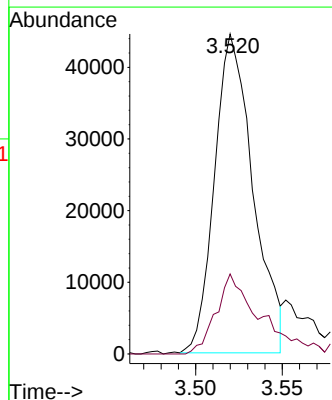
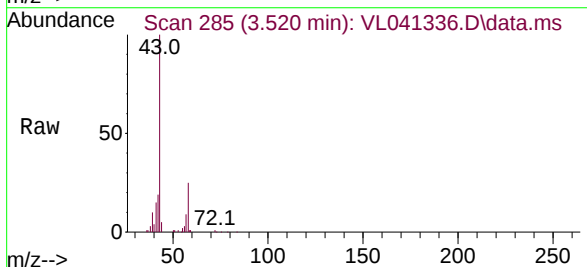
Acq: 5 Jun 2024 20:53

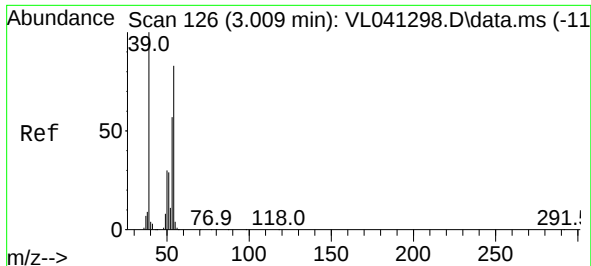
Tgt Ion: 43 Resp: 69031

Ion Ratio Lower Upper

43 100

58 31.0 20.6 31.0#





#16

1,3-Butadiene

Concen: 0.148 ppbv

RT: 3.005 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL041336.D

Acq: 5 Jun 2024 20:53

Instrument :

MSVOA_L

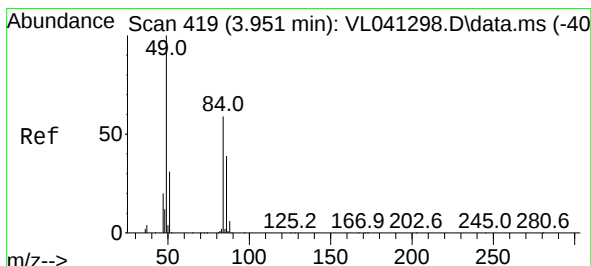
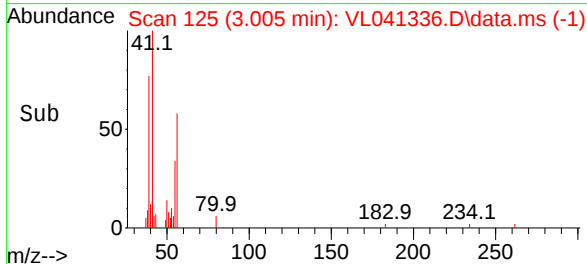
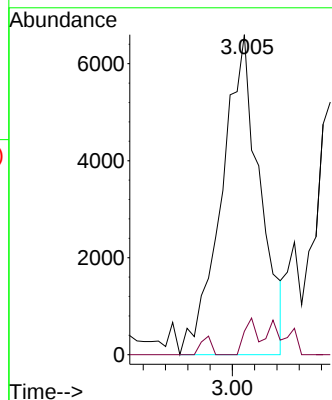
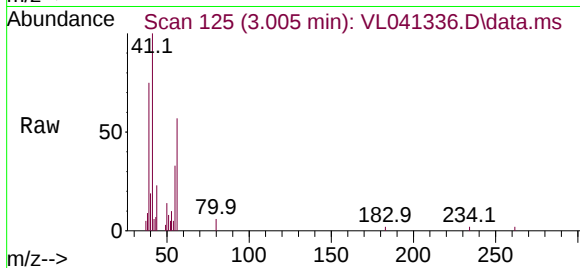
ClientSampleId :

Tgt Ion: 39 Resp: 7853

Ion Ratio Lower Upper

39 100

54 9.2 60.5 90.7#



#20

Methylene Chloride

Concen: 0.207 ppbv

RT: 3.970 min Scan# 425

Delta R.T. 0.019 min

Lab File: VL041336.D

Acq: 5 Jun 2024 20:53

Tgt Ion: 84 Resp: 7930

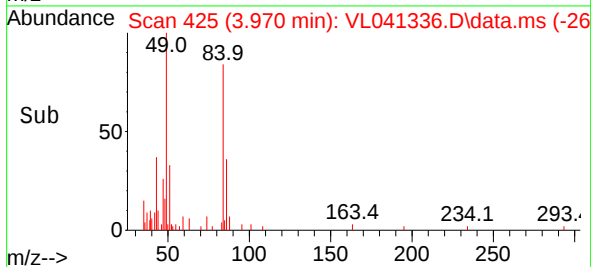
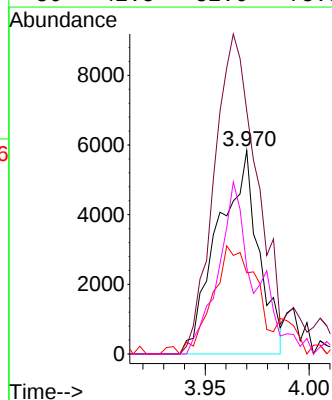
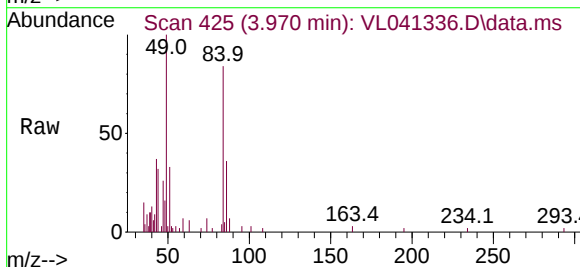
Ion Ratio Lower Upper

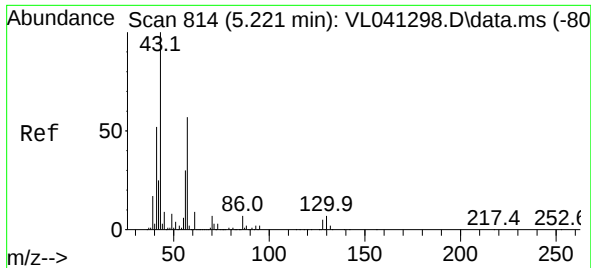
84 100

49 110.6 136.2 204.2#

51 39.9 41.9 62.9#

86 42.5 52.6 78.8#





#26

Hexane

Concen: 0.061 ppbv

RT: 5.234 min Scan# 814

Delta R.T. 0.013 min

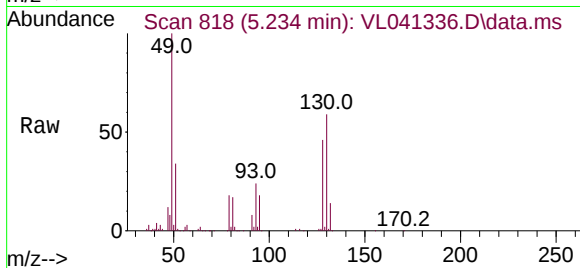
Lab File: VL041336.D

Acq: 5 Jun 2024 20:53

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion: 57 Resp: 5761

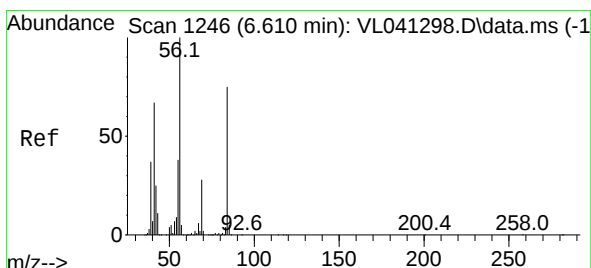
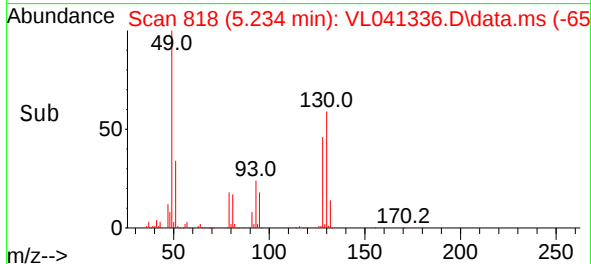
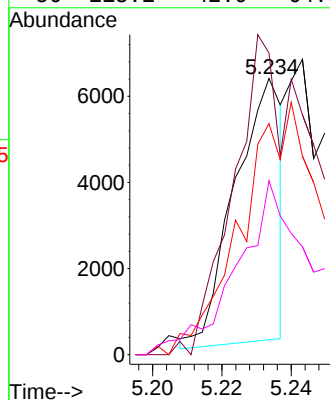
Ion Ratio Lower Upper

57 100

41 230.8 77.1 115.7#

43 0.0 186.1 279.1#

56 118.1 42.9 64.3#



#30

Cyclohexane

Concen: 0.036 ppbv

RT: 6.616 min Scan# 1248

Delta R.T. 0.006 min

Lab File: VL041336.D

Acq: 5 Jun 2024 20:53

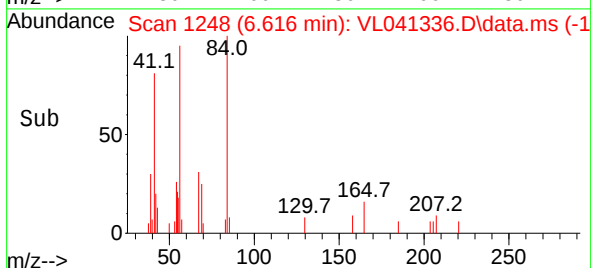
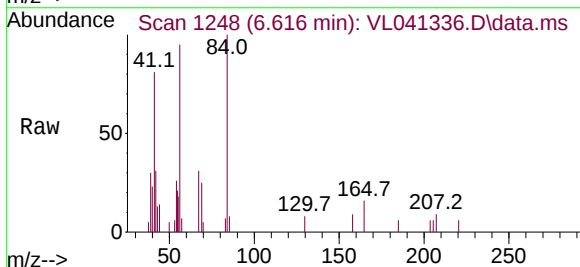
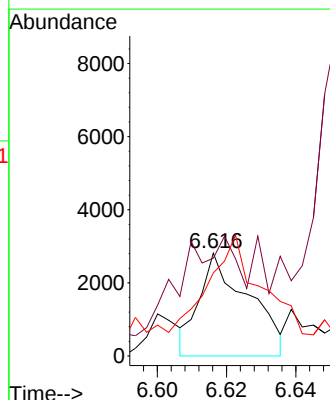
Tgt Ion: 84 Resp: 2759

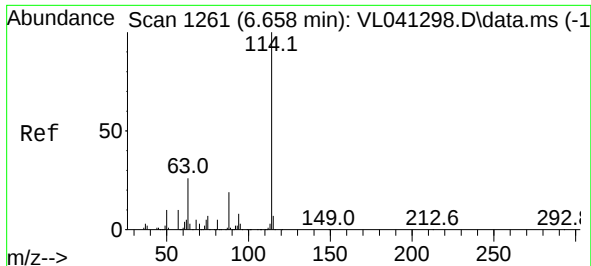
Ion Ratio Lower Upper

84 100

56 198.7 114.9 172.3#

41 220.3 74.4 111.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.674 min Scan# 11

Delta R.T. 0.016 min

Lab File: VL041336.D

Acq: 5 Jun 2024 20:53

Instrument :

MSVOA_L

ClientSampleId :

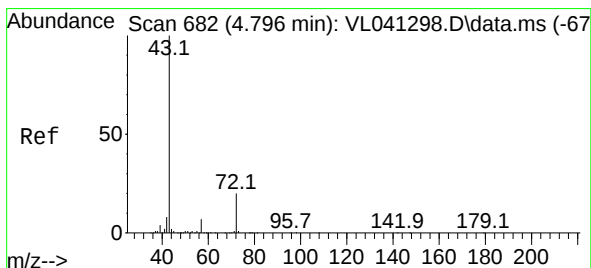
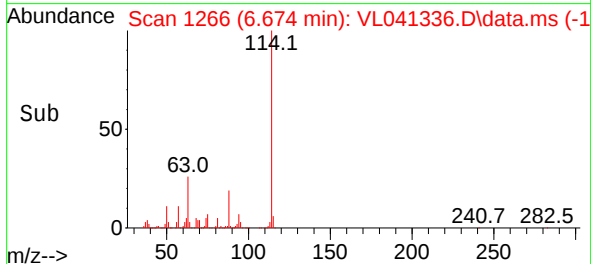
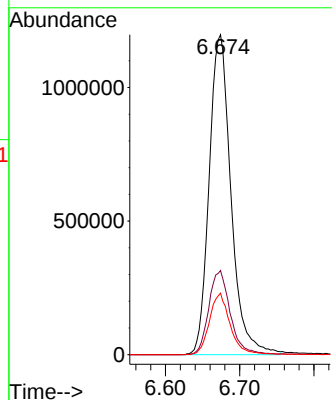
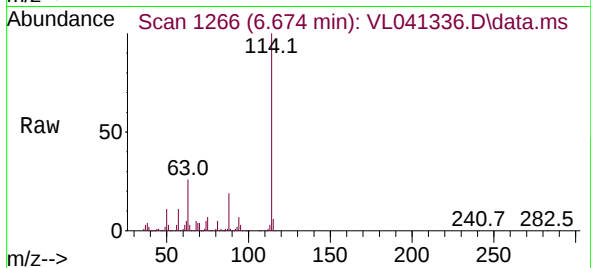
Tgt Ion:114 Resp: 2447637

Ion Ratio Lower Upper

114 100

63 26.2 20.6 30.8

88 18.4 14.5 21.7



#34

2-Butanone

Concen: 0.221 ppbv

RT: 4.835 min Scan# 694

Delta R.T. 0.039 min

Lab File: VL041336.D

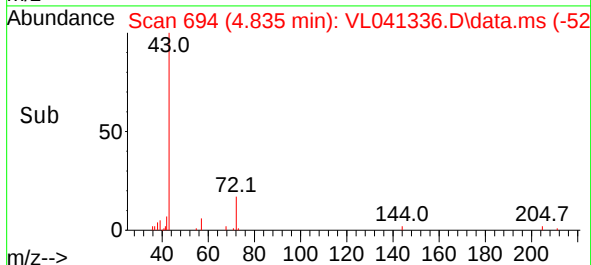
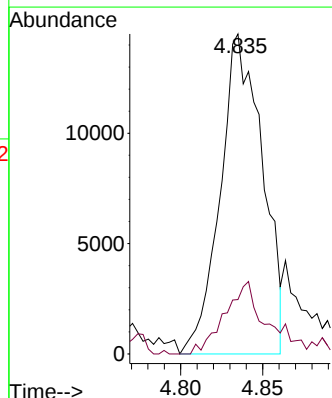
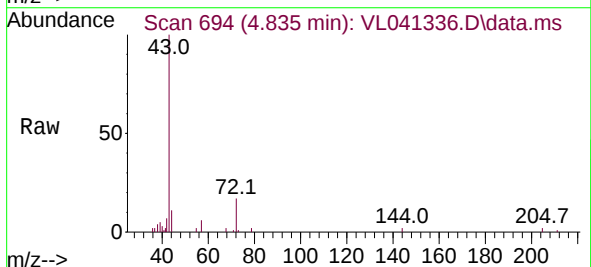
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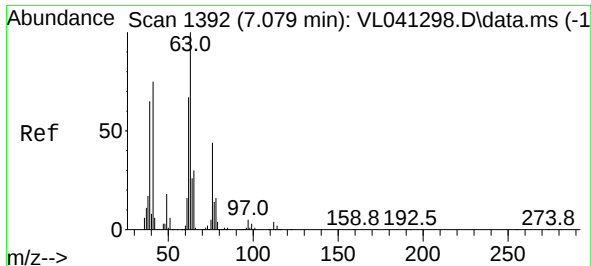
Tgt Ion: 43 Resp: 25923

Ion Ratio Lower Upper

43 100

72 22.3 17.4 26.0





#39

1,2-Dichloropropane

Concen: 8.395 ppbv

RT: 6.674 min Scan# 1

Delta R.T. -0.405 min

Lab File: VL041336.D

Acq: 5 Jun 2024 20:53

Instrument :

MSVOA_L

ClientSampleId :

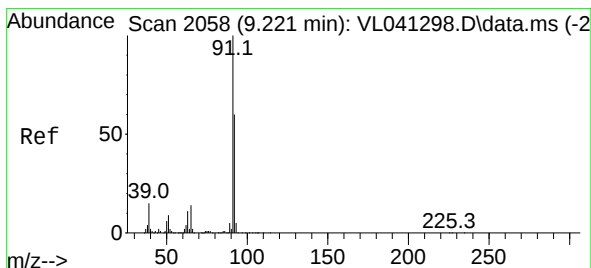
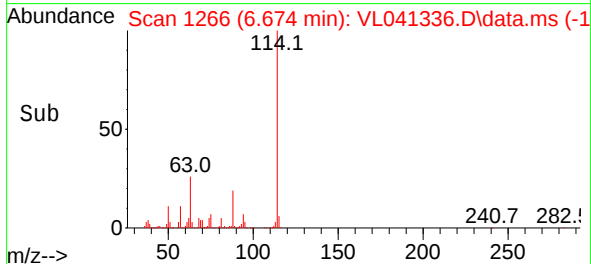
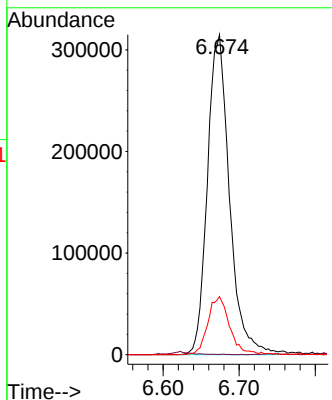
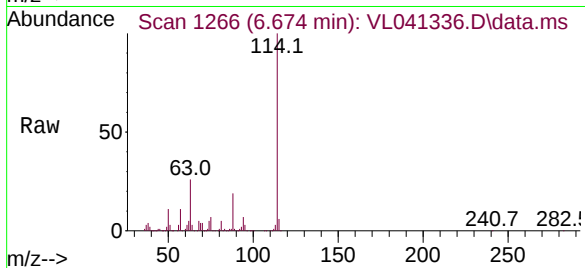
Tgt Ion: 63 Resp: 634202

Ion Ratio Lower Upper

63 100

41 0.0 59.9 89.9#

62 18.2 53.8 80.6#



#53

Toluene

Concen: 0.333 ppbv

RT: 9.237 min Scan# 2063

Delta R.T. 0.016 min

Lab File: VL041336.D

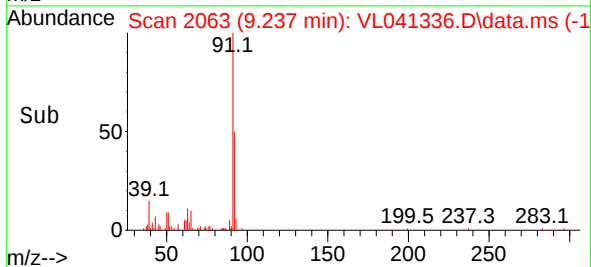
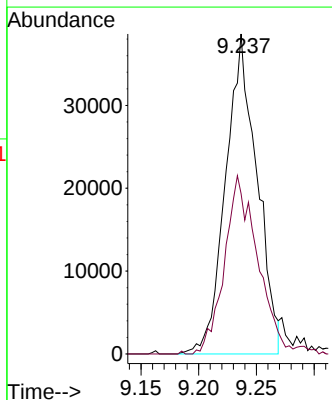
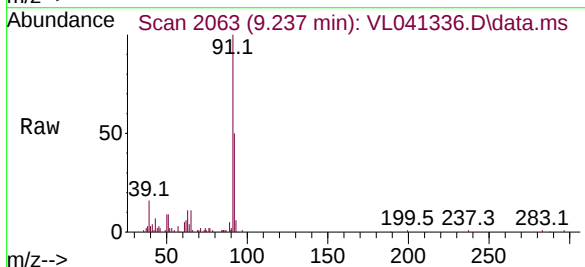
Acq: 5 Jun 2024 20:53

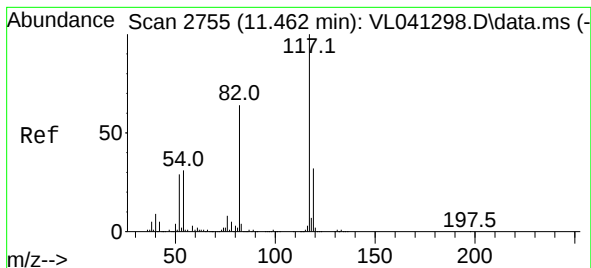
Tgt Ion: 91 Resp: 72716

Ion Ratio Lower Upper

91 100

92 60.1 49.2 73.8





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.478 min Scan# 21

Delta R.T. 0.016 min

Lab File: VL041336.D

Acq: 5 Jun 2024 20:53

Instrument :

MSVOA_L

ClientSampleId :

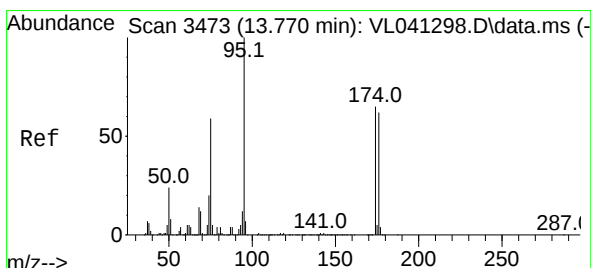
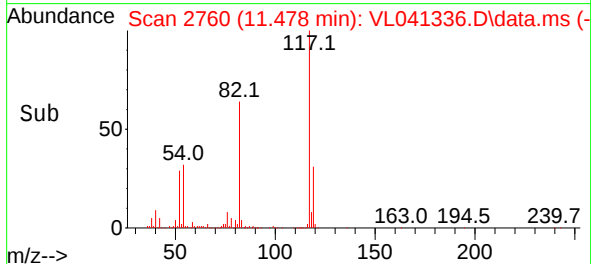
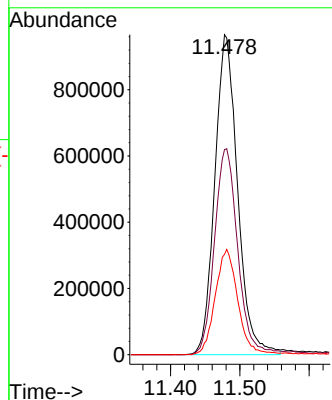
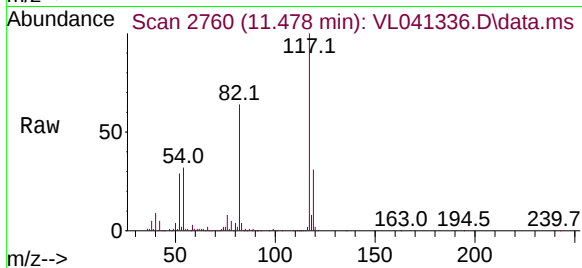
Tgt Ion:117 Resp: 2210212

Ion Ratio Lower Upper

117 100

82 66.5 52.3 78.5

119 33.4 26.2 39.2



#68

1-Bromo-4-Fluorobenzene

Concen: 10.130 ppbv

RT: 13.786 min Scan# 3478

Delta R.T. 0.016 min

Lab File: VL041336.D

Acq: 5 Jun 2024 20:53

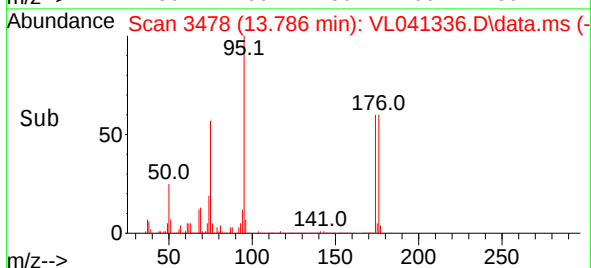
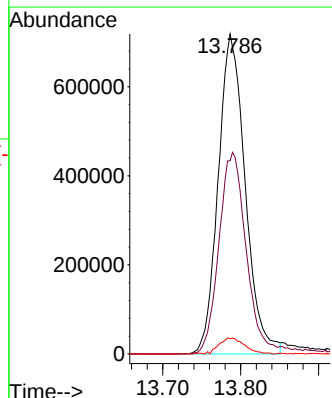
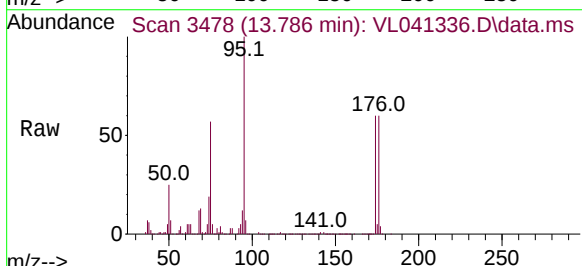
Tgt Ion: 95 Resp: 1728623

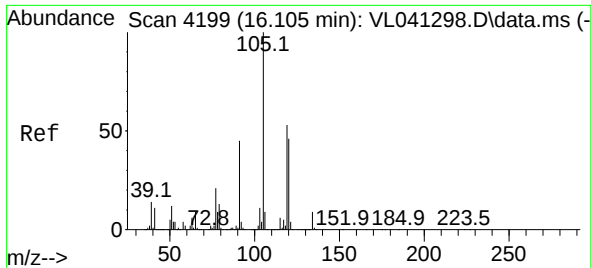
Ion Ratio Lower Upper

95 100

174 66.6 52.2 78.2

175 4.9 4.1 6.1





#74

1,2,4-Trimethylbenzene

Concen: 0.041 ppbv

RT: 16.124 min Scan# 41

Delta R.T. 0.019 min

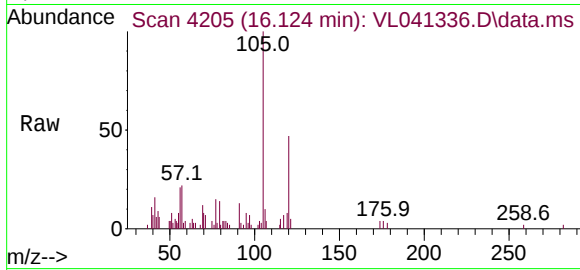
Lab File: VL041336.D

Acq: 5 Jun 2024 20:53

Instrument :

MSVOA_L

ClientSampleId :



Tgt Ion:105 Resp: 10727

Ion Ratio Lower Upper

105 100

120 43.1 37.0 55.6

91 10.0 36.2 54.4#

77 16.6 16.6 24.8

