

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062124\
 Data File : VV036224.D
 Acq On : 21 Jun 2024 22:59
 Operator : SY/MD
 Sample : P2987-14
 Misc : 5.38g/10.0mL/MSVOA_V/SOIL/A
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 22 03:01:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 22 02:57:23 2024
 Response via : Initial Calibration

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

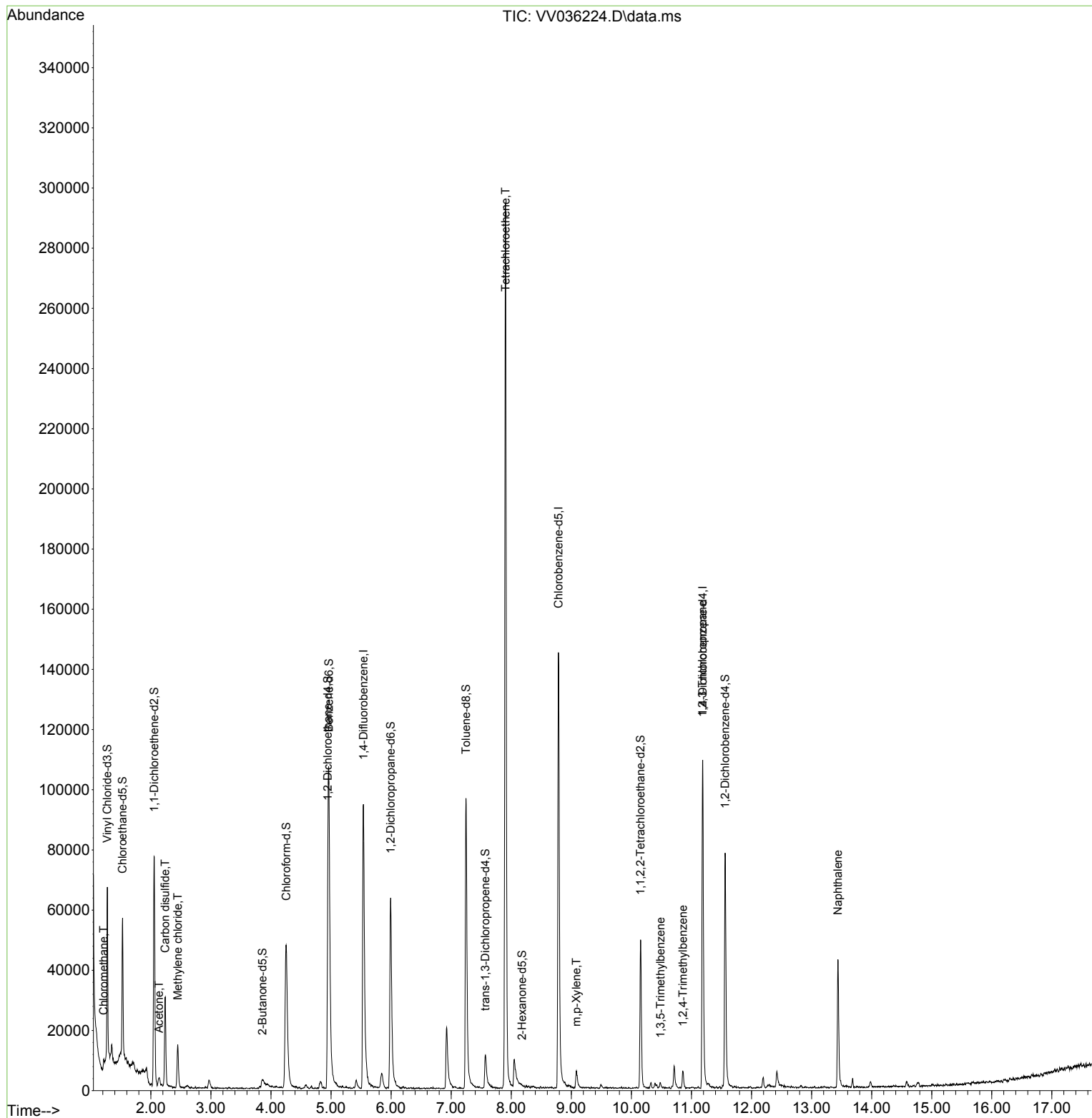
Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	84539	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	87371	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	30646	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	34145	21.969	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.880%
7) Chloroethane-d5	1.529	69	29588	23.875	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.480%
11) 1,1-Dichloroethene-d2	2.056	65	13396	19.361	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	77.440%
21) 2-Butanone-d5	3.857	46	4311	12.089	ug/L	0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	24.180%
24) Chloroform-d	4.252	84	55576	20.678	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	82.720%
26) 1,2-Dichloroethane-d4	4.947	65	30765	21.832	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	87.320%
32) Benzene-d6	4.963	84	96252	18.533	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	74.120%
36) 1,2-Dichloropropane-d6	5.992	67	31858	19.479	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	77.920%
41) Toluene-d8	7.246	98	72760	15.878	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	63.520%
43) trans-1,3-Dichloroprop...	7.567	79	7968	11.882	ug/L	0.02
Spiked Amount	25.000	Range	30 - 135	Recovery	=	47.520%
47) 2-Hexanone-d5	8.178	63	25	0.113	ug/L	0.15
Spiked Amount	50.000	Range	20 - 135	Recovery	=	0.220%#
56) 1,1,2,2-Tetrachloroeth...	10.152	84	26013	21.285	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	85.120%
66) 1,2-Dichlorobenzene-d4	11.561	152	20901	18.598	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	74.400%#
Target Compounds						
					Qvalue	
3) Chloromethane	1.214	50	842	0.481	ug/L #	61
13) Acetone	2.137	43	4910	8.839	ug/L	95
14) Carbon disulfide	2.240	76	34876	7.419	ug/L	99
16) Methylene chloride	2.449	84	5797	3.030	ug/L	94
46) Tetrachloroethene	7.905	164	66432	51.864	ug/L	99
53) m,p-Xylene	9.085	106	1921	0.818	ug/L	85
61) 1,2,3-Trichloropropane	11.185	75	3482	4.804	ug/L #	56
62) 1,3,5-Trimethylbenzene	10.484	105	1437	0.504	ug/L	88
63) 1,2,4-Trimethylbenzene	10.857	105	3378	1.100	ug/L	96
71) Naphthalene	13.438	128	35170	17.721	ug/L	98

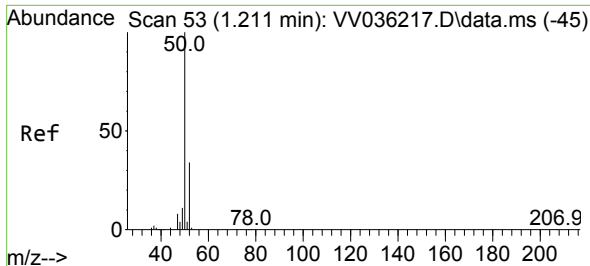
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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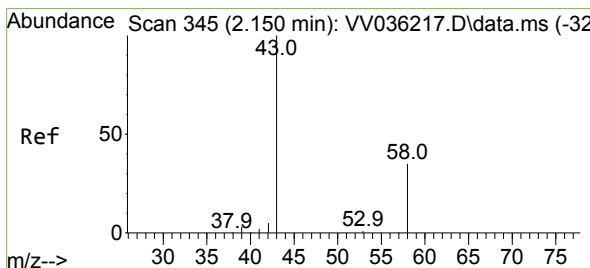
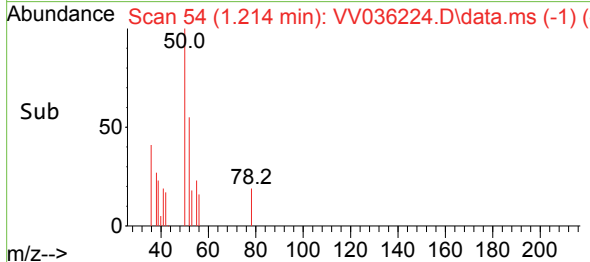
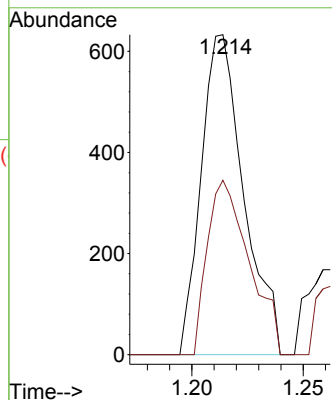
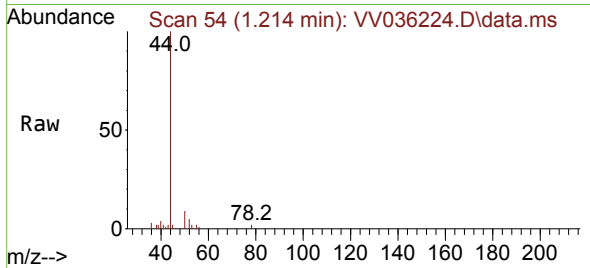




#3
Chloromethane
Concen: 0.481 ug/L
RT: 1.214 min Scan# 54
Delta R.T. 0.003 min
Lab File: VV036224.D
Acq: 21 Jun 2024 22:59

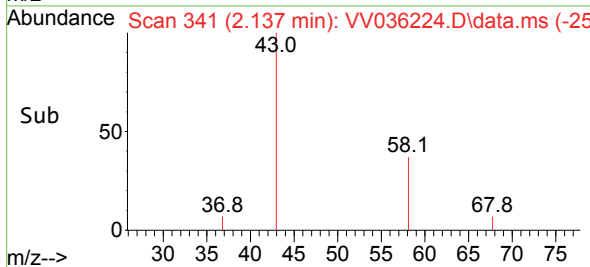
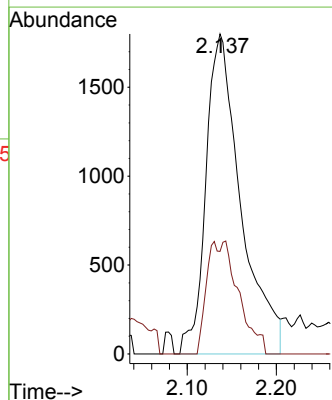
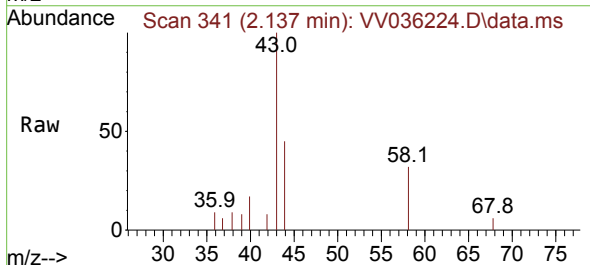
Instrument :
MSVOA_V
ClientSampleId :

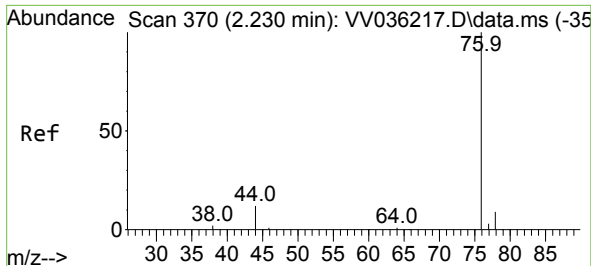
Tgt Ion: 50 Resp: 842
Ion Ratio Lower Upper
50 100
52 54.5 22.8 42.4#



#13
Acetone
Concen: 8.839 ug/L
RT: 2.137 min Scan# 341
Delta R.T. -0.013 min
Lab File: VV036224.D
Acq: 21 Jun 2024 22:59

Tgt Ion: 43 Resp: 4910
Ion Ratio Lower Upper
43 100
58 14.1 0.0 24.2





#14

Carbon disulfide

Concen: 7.419 ug/L

RT: 2.240 min Scan# 31

Delta R.T. 0.010 min

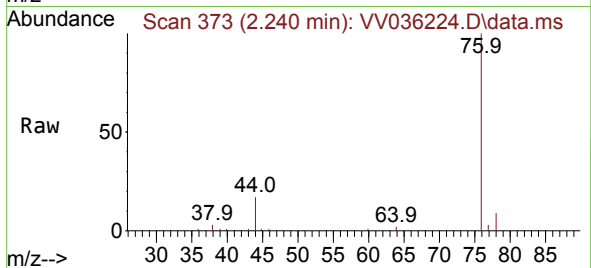
Lab File: VV036224.D

Acq: 21 Jun 2024 22:59

Instrument :

MSVOA_V

ClientSampleId :

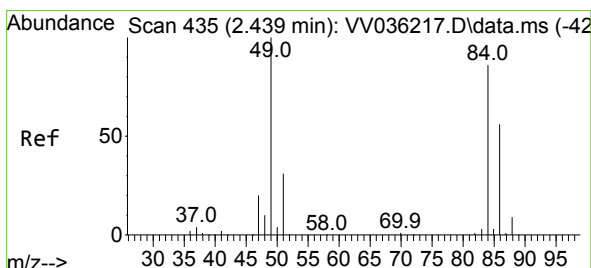
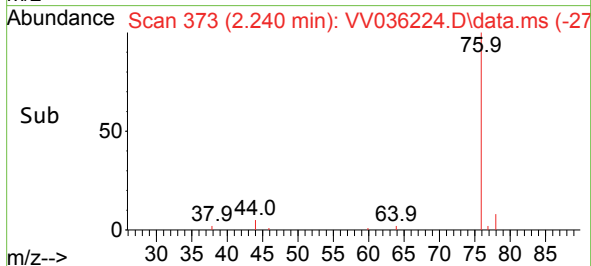
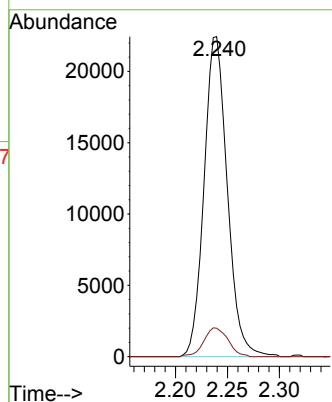


Tgt Ion: 76 Resp: 34876

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.2



#16

Methylene chloride

Concen: 3.030 ug/L

RT: 2.449 min Scan# 438

Delta R.T. 0.010 min

Lab File: VV036224.D

Acq: 21 Jun 2024 22:59

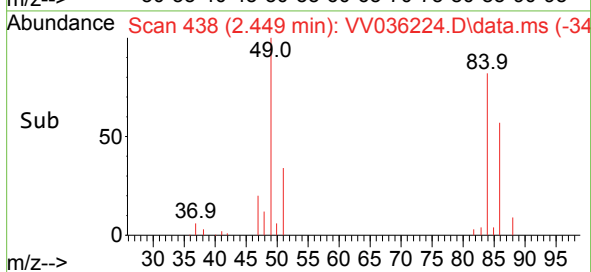
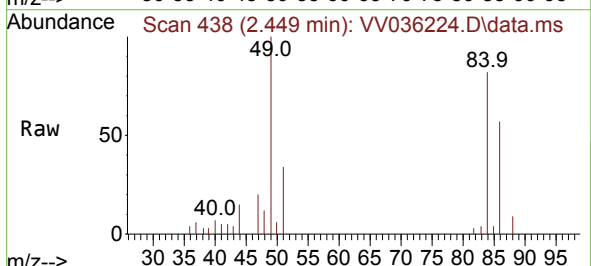
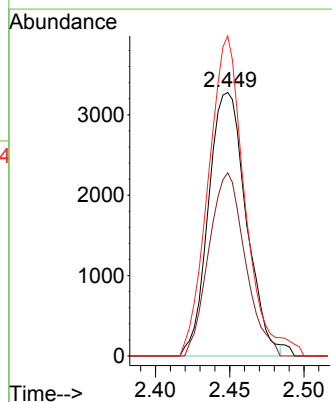
Tgt Ion: 84 Resp: 5797

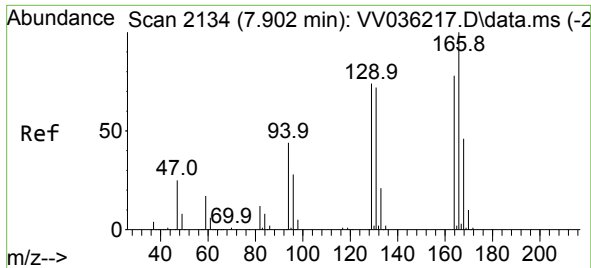
Ion Ratio Lower Upper

84 100

86 69.5 44.6 82.8

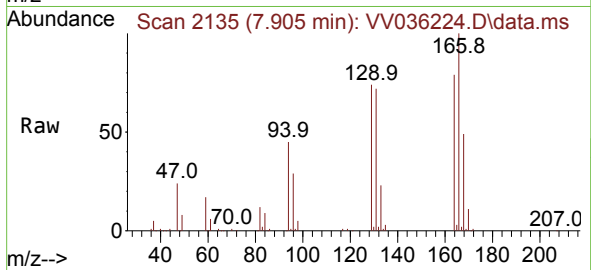
49 121.4 81.1 150.5



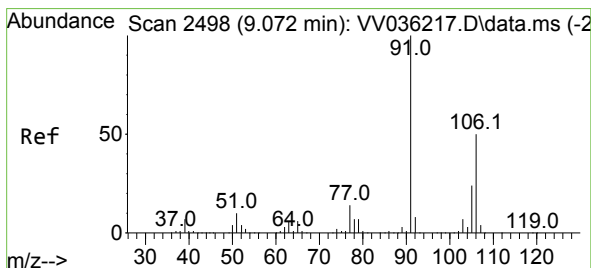
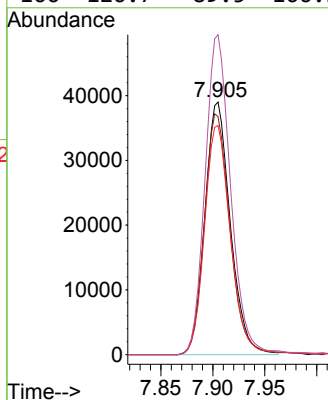
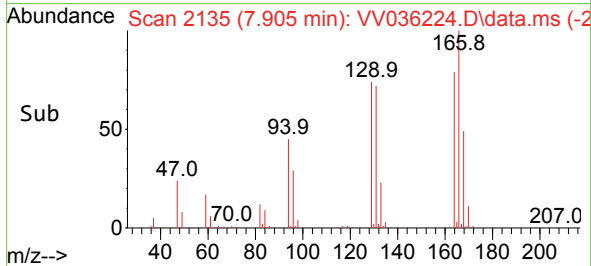


#46
Tetrachloroethene
Concen: 51.864 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. 0.003 min
Lab File: VV036224.D
Acq: 21 Jun 2024 22:59

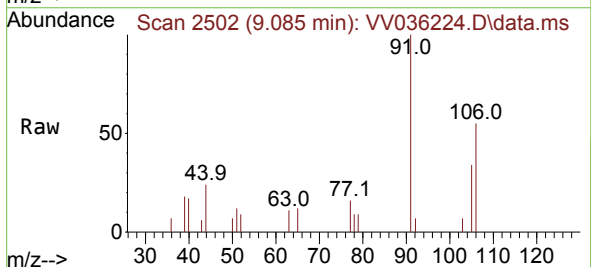
Instrument :
MSVOA_V
ClientSampleId :



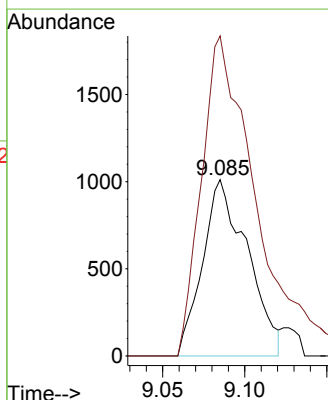
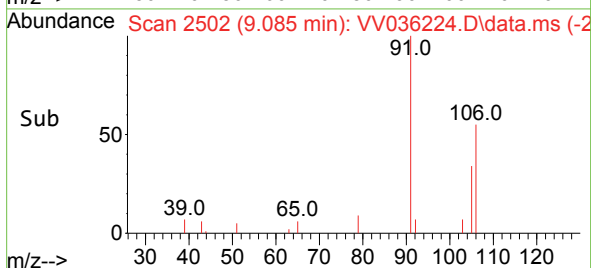
Tgt Ion:164 Resp: 66432
Ion Ratio Lower Upper
164 100
129 94.3 64.6 120.0
131 90.7 63.2 117.4
166 126.7 89.5 166.3

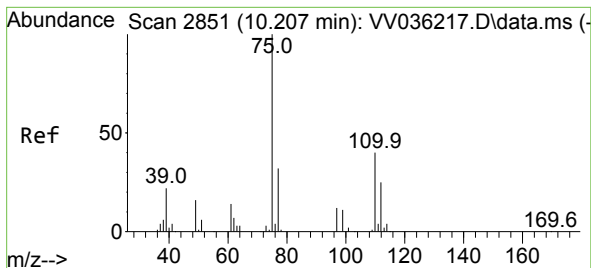


#53
m,p-Xylene
Concen: 0.818 ug/L
RT: 9.085 min Scan# 2502
Delta R.T. 0.013 min
Lab File: VV036224.D
Acq: 21 Jun 2024 22:59



Tgt Ion:106 Resp: 1921
Ion Ratio Lower Upper
106 100
91 181.4 143.1 265.9





#61

1,2,3-Trichloropropane

Concen: 4.804 ug/L

RT: 11.185 min Scan# 3155

Delta R.T. 0.978 min

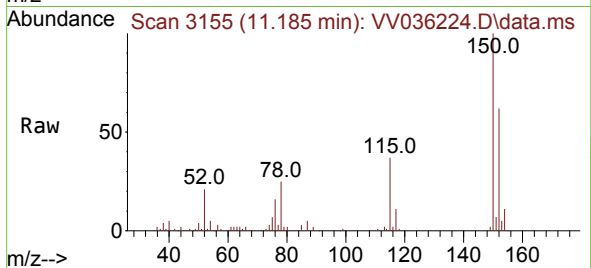
Lab File: VV036224.D

Acq: 21 Jun 2024 22:59

Instrument :

MSVOA_V

ClientSampleId :



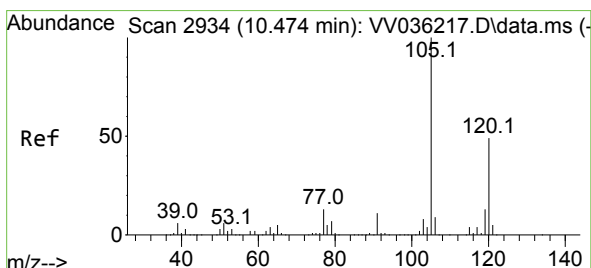
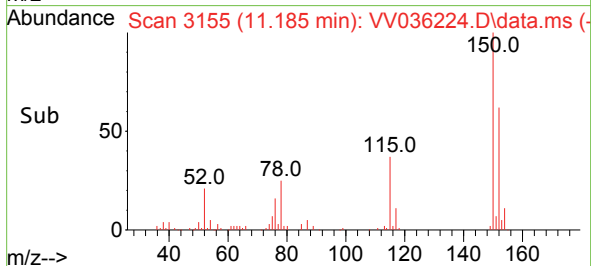
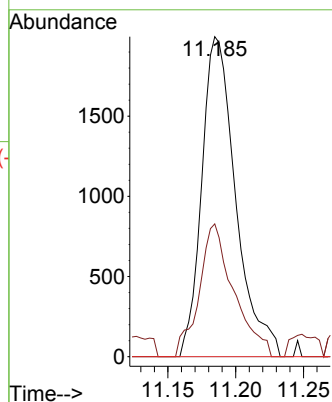
Tgt Ion: 75 Resp: 3482

Ion Ratio Lower Upper

75 100

77 42.2 26.0 39.0#

110 0.0 32.2 48.4#



#62

1,3,5-Trimethylbenzene

Concen: 0.504 ug/L

RT: 10.484 min Scan# 2937

Delta R.T. 0.010 min

Lab File: VV036224.D

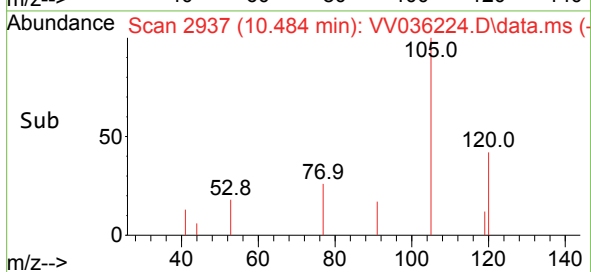
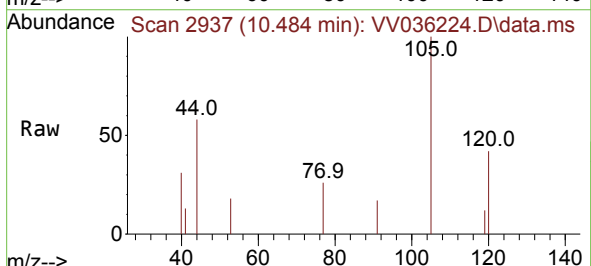
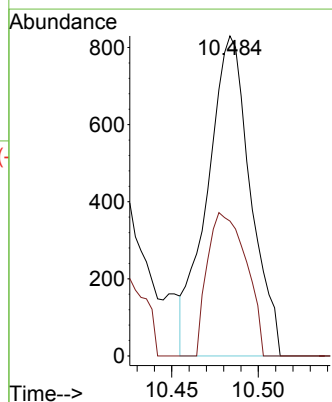
Acq: 21 Jun 2024 22:59

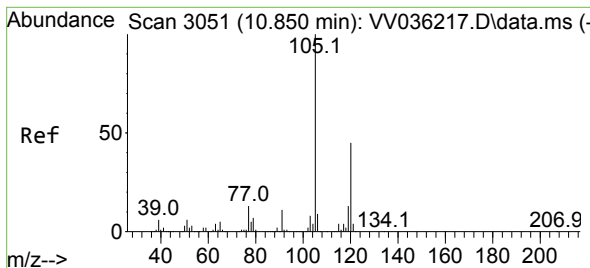
Tgt Ion: 105 Resp: 1437

Ion Ratio Lower Upper

105 100

120 40.3 38.6 58.0





#63

1,2,4-Trimethylbenzene

Concen: 1.100 ug/L

RT: 10.857 min Scan# 3053

Delta R.T. 0.007 min

Lab File: VV036224.D

Acq: 21 Jun 2024 22:59

Instrument :

MSVOA_V

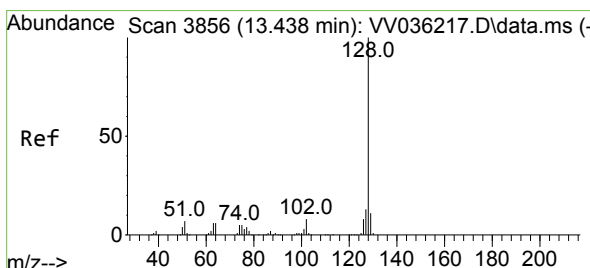
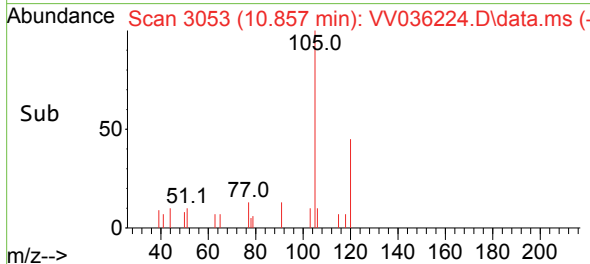
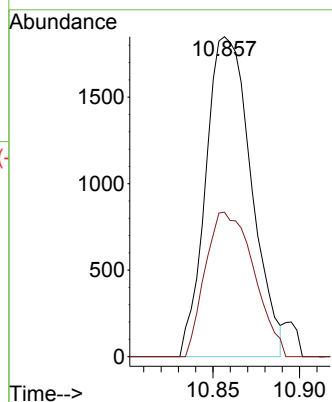
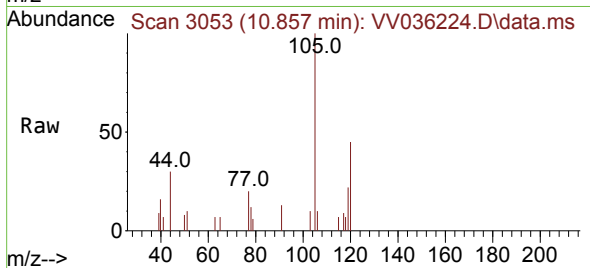
ClientSampleId :

Tgt Ion:105 Resp: 3378

Ion Ratio Lower Upper

105 100

120 48.1 36.2 54.4



#71

Naphthalene

Concen: 17.721 ug/L

RT: 13.438 min Scan# 3856

Delta R.T. 0.000 min

Lab File: VV036224.D

Acq: 21 Jun 2024 22:59

Tgt Ion:128 Resp: 35170

Ion Ratio Lower Upper

128 100

127 14.2 10.6 16.0

129 10.1 8.8 13.2

