

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV062724\
 Data File : VV036307.D
 Acq On : 27 Jun 2024 14:37
 Operator : SY/MD
 Sample : P3035-12
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 28 02:29:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM062724SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 28 00:39:40 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.555	114	6088	25.000	ug/L	# 0.03
28) Chlorobenzene-d5	8.796	117	11363	25.000	ug/L	0.01
58) 1,4-Dichlorobenzene-d4	11.191	152	4991	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	743	7.186	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	28.760%#
7) Chloroethane-d5	1.526	69	1393	16.868	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	67.480%
11) 1,1-Dichloroethene-d2	2.050	65	903	18.578	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	74.320%
21) 2-Butanone-d5	3.847	46	22356	931.639	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	1863.280%#
24) Chloroform-d	4.252	84	8194	45.597	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	182.400%#
26) 1,2-Dichloroethane-d4	4.947	65	27167	283.480	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	1133.920%#
32) Benzene-d6	4.963	84	10348	16.132	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	64.520%
36) 1,2-Dichloropropane-d6	5.995	67	8815	45.688	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	182.760%#
41) Toluene-d8	7.262	98	6414	11.090	ug/L	0.02
Spiked Amount	25.000	Range	30 - 130	Recovery	=	44.360%
43) trans-1,3-Dichloroprop...	7.571	79	6083	70.602	ug/L	0.02
Spiked Amount	25.000	Range	30 - 135	Recovery	=	282.400%#
47) 2-Hexanone-d5	8.043	63	9021	292.909	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	585.820%#
56) 1,1,2,2-Tetrachloroeth...	10.152	84	50570	319.748	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	1279.000%#
66) 1,2-Dichlorobenzene-d4	11.564	152	6283	34.545	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	138.160%#
Target Compounds						Qvalue
3) Chloromethane	1.211	50	414	3.954	ug/L	88
6) Bromomethane	1.481	94	507	6.235	ug/L	78
8) Chloroethane	1.507	64	40	0.537	ug/L	# 42
13) Acetone	2.169	43	745	22.980	ug/L	# 14
14) Carbon disulfide	2.230	76	241	0.797	ug/L	# 74
15) Methyl Acetate	2.378	43	100	2.397	ug/L	# 45
16) Methylene chloride	2.442	84	29542	246.481	ug/L	99
22) 2-Butanone	3.912	43	134	4.902	ug/L	# 49
25) Chloroform	4.297	83	345	1.911	ug/L	93
35) Methylcyclohexane	6.053	83	105	0.355	ug/L	# 20
48) 2-Hexanone	8.101	43	91	1.193	ug/L	# 53
57) 1,1,2,2-Tetrachloroethane	10.172	83	66	0.485	ug/L	# 1
61) 1,2,3-Trichloropropane	11.185	75	234	2.078	ug/L	# 5
69) 1,3,5-Trichlorobenzene	13.217	180	166	0.701	ug/L	# 73
70) 1,2,4-trichlorobenzene	13.217	180	166	0.879	ug/L	# 78
71) Naphthalene	13.467	128	1019	3.028	ug/L	# 69

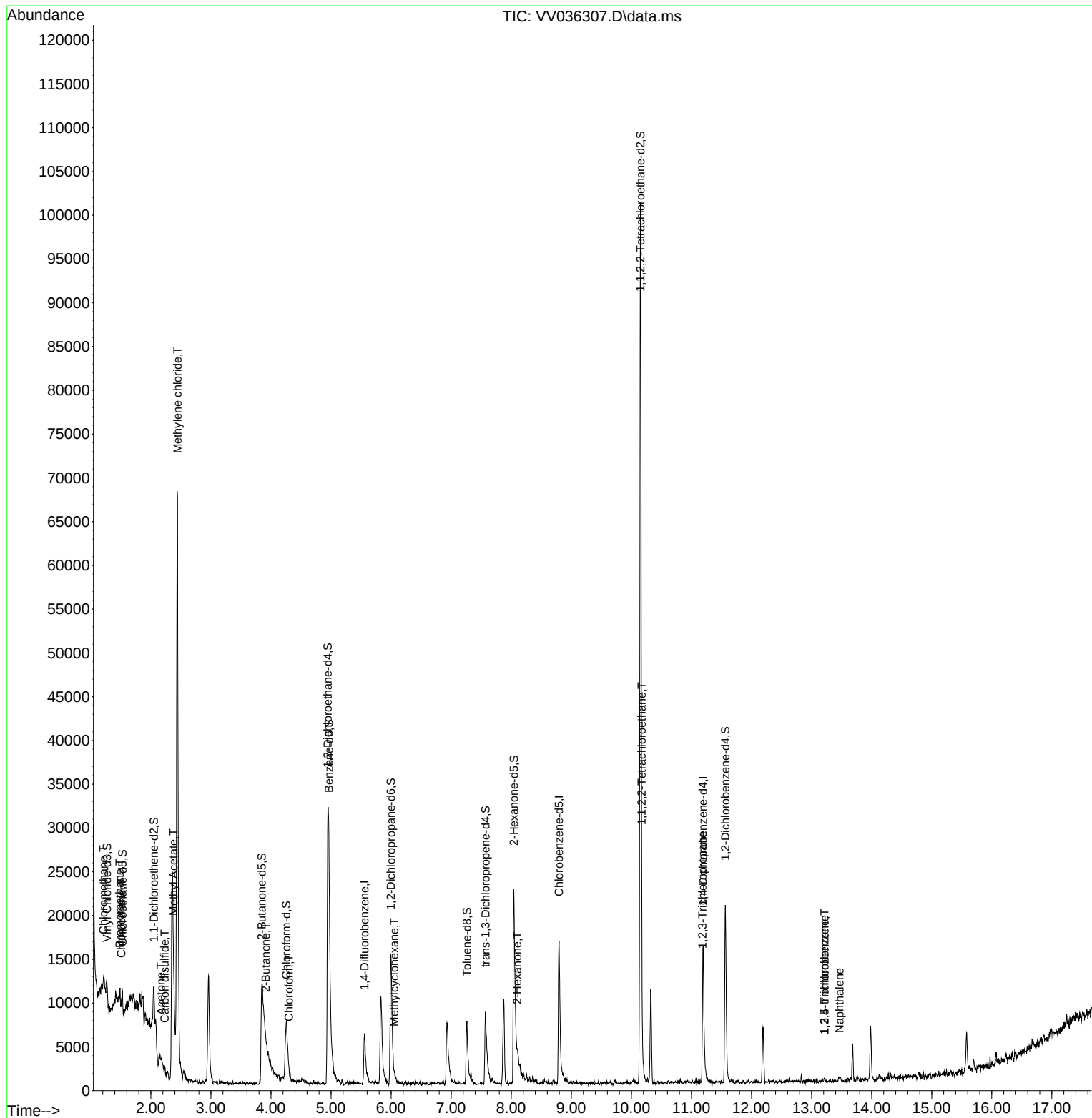
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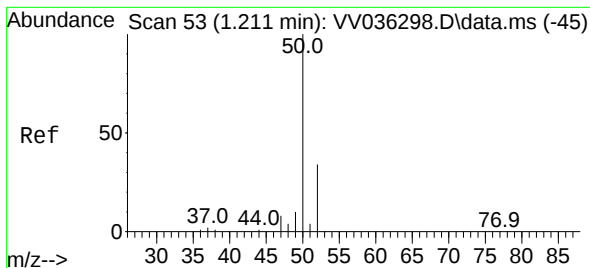
Instrument :
MSVOA_V
ClientSampleId :

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Quant Title : VOC Analysis
QLast Update : Fri Jun 28 00:39:40 2024
Response via : Initial Calibration





#3

Chloromethane

Concen: 3.954 ug/L

RT: 1.211 min Scan# 53

Delta R.T. -0.000 min

Lab File: VV036307.D

Acq: 27 Jun 2024 14:37

Instrument :

MSVOA_V

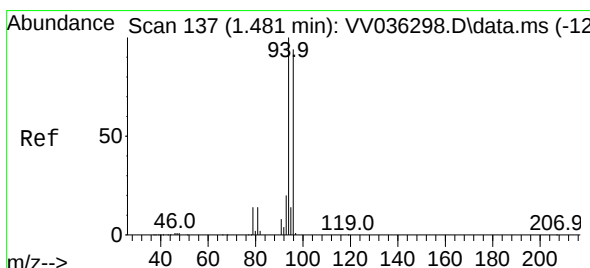
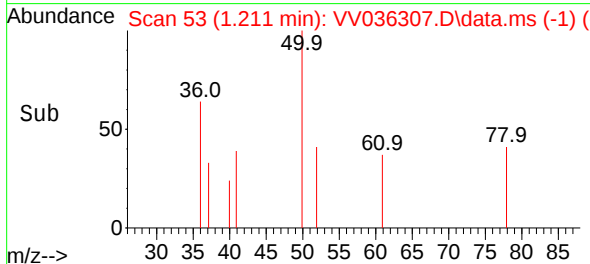
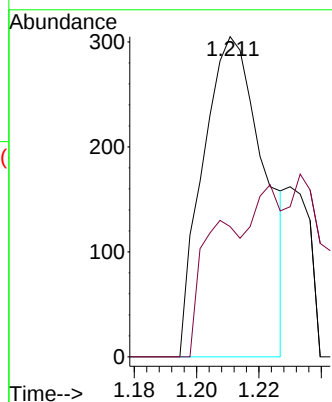
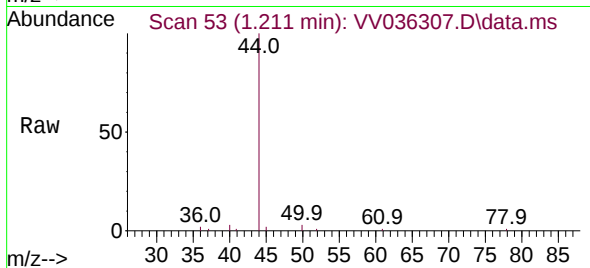
ClientSampleId :

Tgt Ion: 50 Resp: 414

Ion Ratio Lower Upper

50 100

52 40.7 23.5 43.7



#6

Bromomethane

Concen: 6.235 ug/L

RT: 1.481 min Scan# 137

Delta R.T. -0.000 min

Lab File: VV036307.D

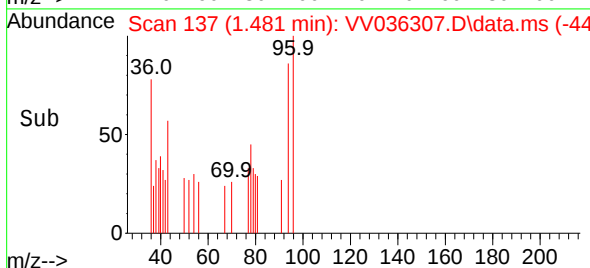
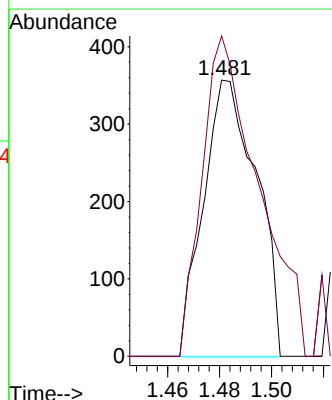
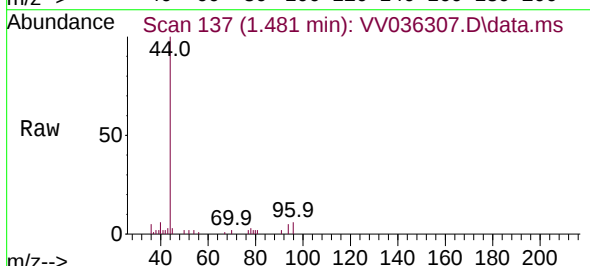
Acq: 27 Jun 2024 14:37

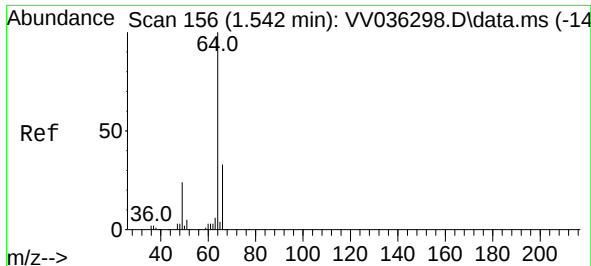
Tgt Ion: 94 Resp: 507

Ion Ratio Lower Upper

94 100

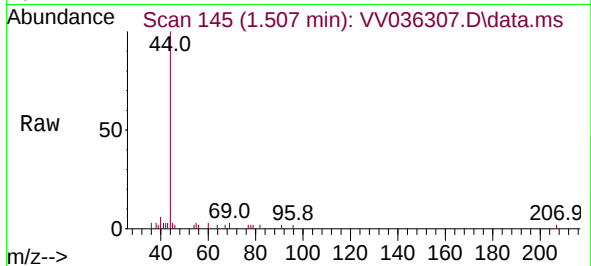
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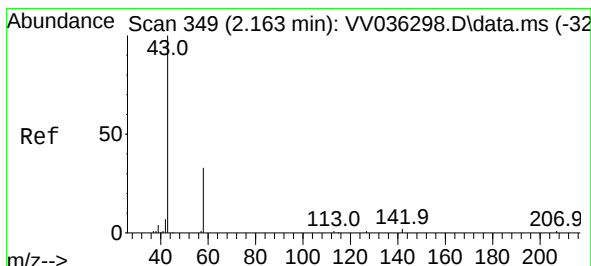
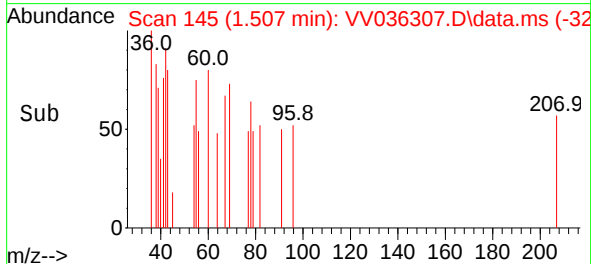
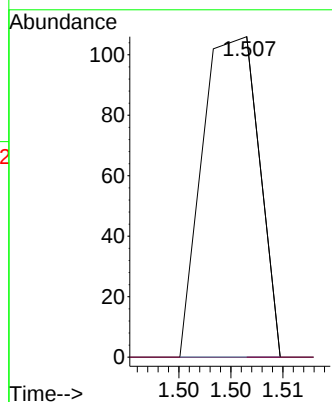


#8
Chloroethane
Concen: 0.537 ug/L
RT: 1.507 min Scan# 14
Delta R.T. -0.036 min
Lab File: VV036307.D
Acq: 27 Jun 2024 14:37

Instrument :
MSVOA_V
ClientSampleId :

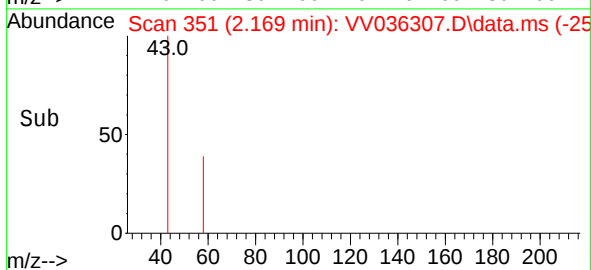
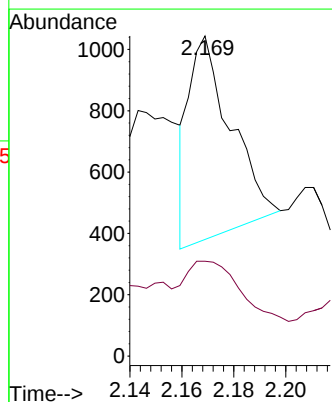
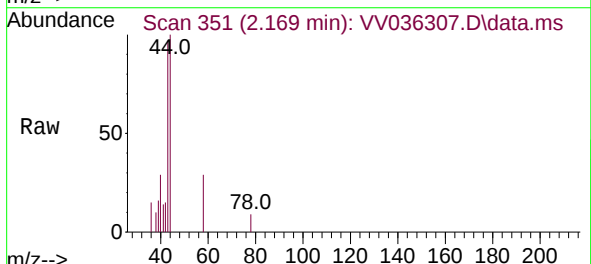


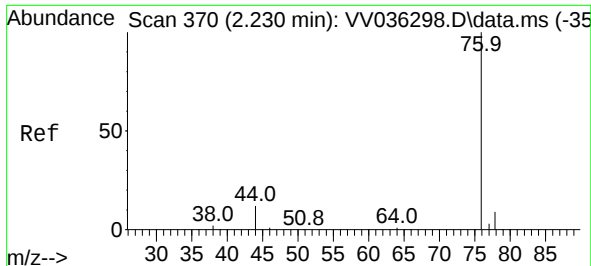
Tgt Ion: 64 Resp: 40
Ion Ratio Lower Upper
64 100
66 0.0 23.0 42.6#



#13
Acetone
Concen: 22.980 ug/L
RT: 2.169 min Scan# 351
Delta R.T. 0.006 min
Lab File: VV036307.D
Acq: 27 Jun 2024 14:37

Tgt Ion: 43 Resp: 745
Ion Ratio Lower Upper
43 100
58 79.7 0.0 0.6#





#14

Carbon disulfide

Concen: 0.797 ug/L

RT: 2.230 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV036307.D

Acq: 27 Jun 2024 14:37

Instrument :

MSVOA_V

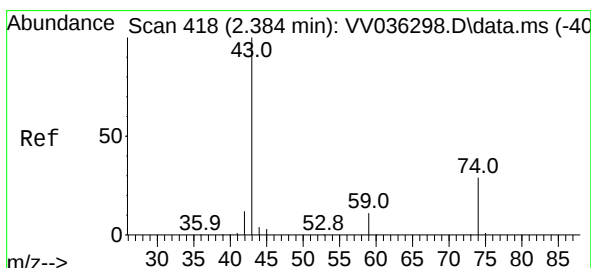
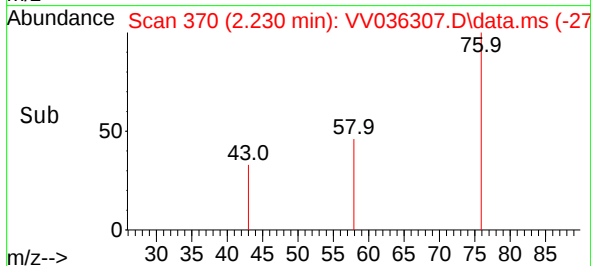
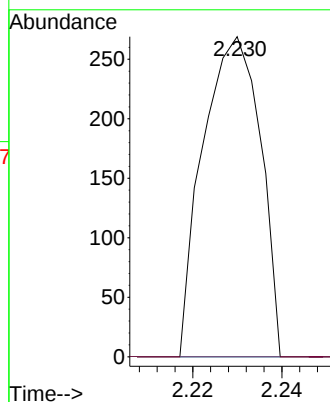
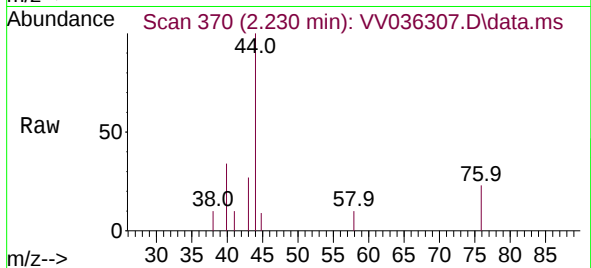
ClientSampleId :

Tgt Ion: 76 Resp: 241

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.2#



#15

Methyl Acetate

Concen: 2.397 ug/L

RT: 2.378 min Scan# 416

Delta R.T. -0.007 min

Lab File: VV036307.D

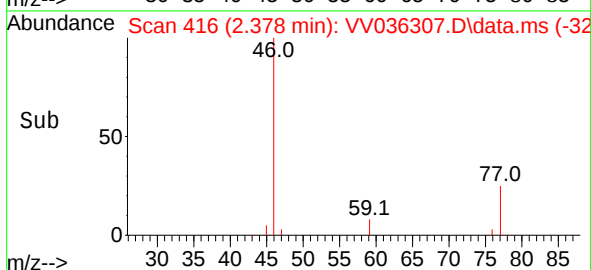
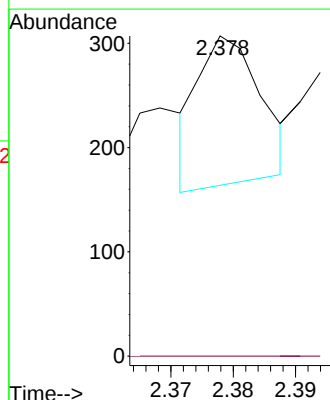
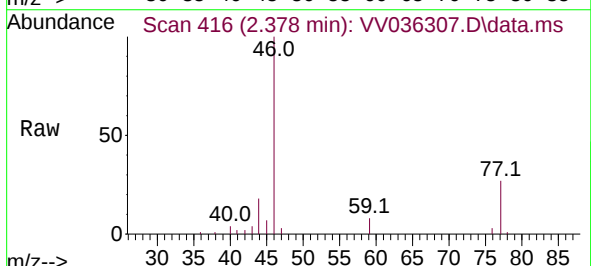
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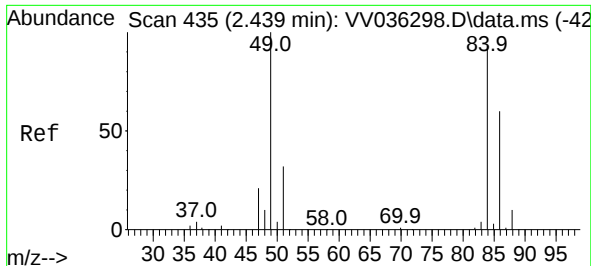
Tgt Ion: 43 Resp: 100

Ion Ratio Lower Upper

43 100

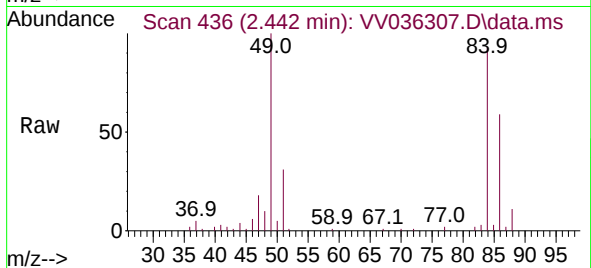
74 0.0 23.8 35.6#



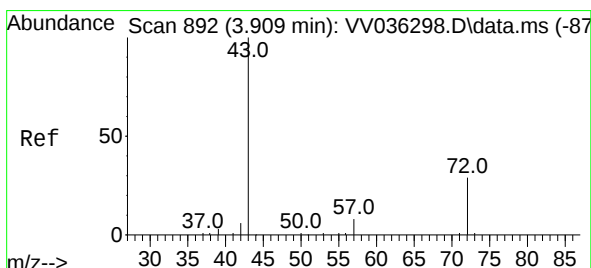
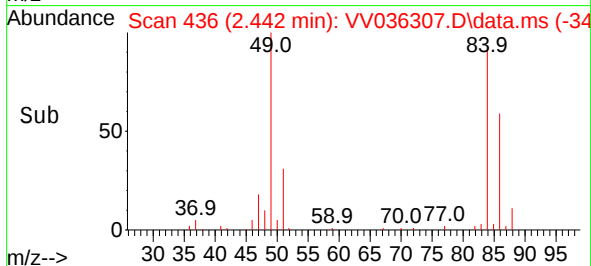
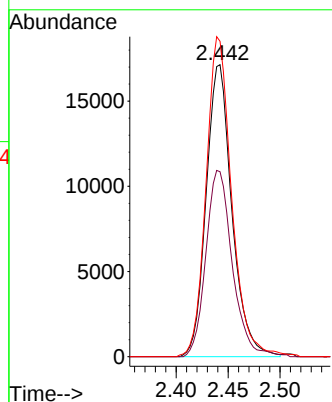


#16
Methylene chloride
Concen: 246.481 ug/L
RT: 2.442 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV036307.D
Acq: 27 Jun 2024 14:37

Instrument :
MSVOA_V
ClientSampleId :

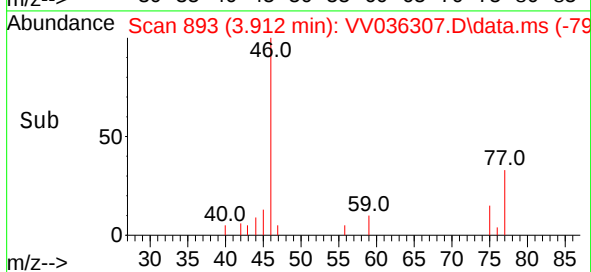
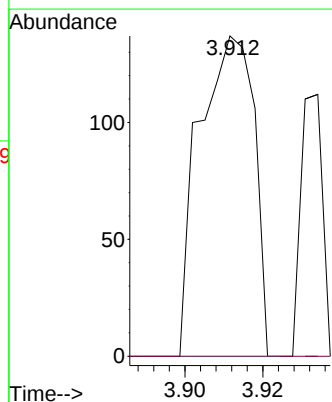
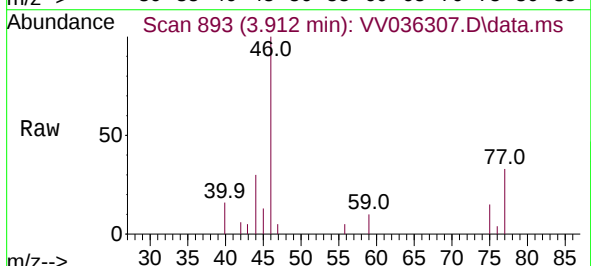


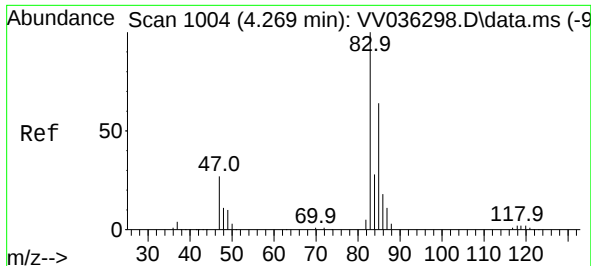
Tgt Ion: 84 Resp: 29542
Ion Ratio Lower Upper
84 100
86 63.4 45.6 84.8
49 108.0 75.7 140.5



#22
2-Butanone
Concen: 4.902 ug/L
RT: 3.912 min Scan# 893
Delta R.T. 0.003 min
Lab File: VV036307.D
Acq: 27 Jun 2024 14:37

Tgt Ion: 43 Resp: 134
Ion Ratio Lower Upper
43 100
72 0.0 12.9 38.7#





#25

Chloroform

Concen: 1.911 ug/L

RT: 4.297 min Scan# 1

Delta R.T. 0.029 min

Lab File: VV036307.D

Acq: 27 Jun 2024 14:37

Instrument :

MSVOA_V

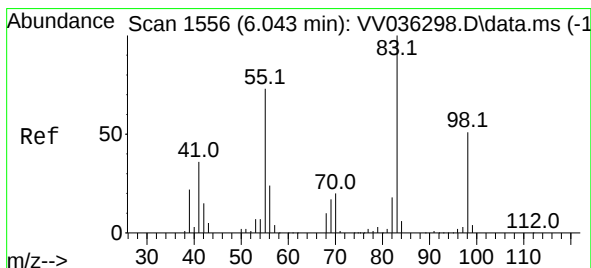
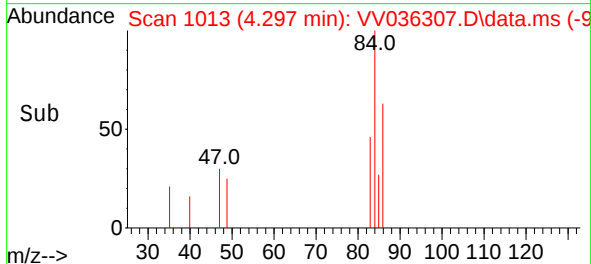
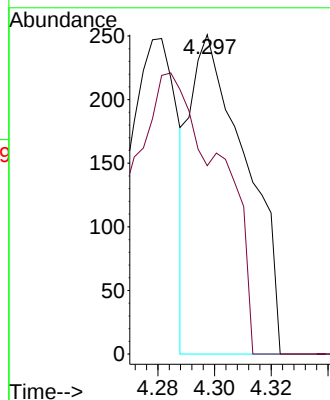
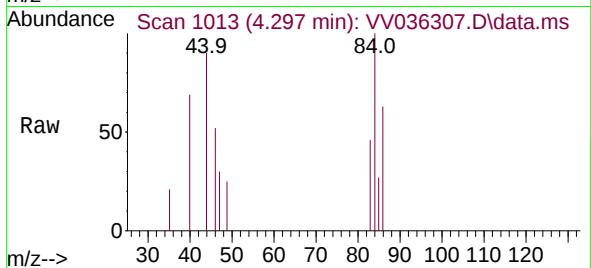
ClientSampleId :

Tgt Ion: 83 Resp: 345

Ion Ratio Lower Upper

83 100

85 59.0 45.0 83.6



#35

Methylcyclohexane

Concen: 0.355 ug/L

RT: 6.053 min Scan# 1559

Delta R.T. 0.009 min

Lab File: VV036307.D

Acq: 27 Jun 2024 14:37

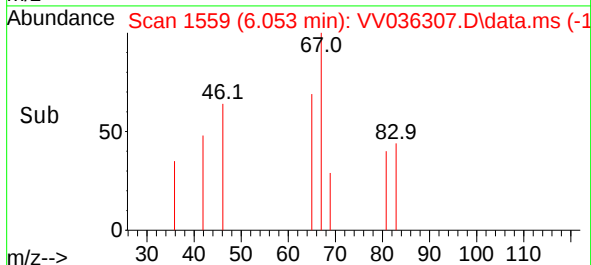
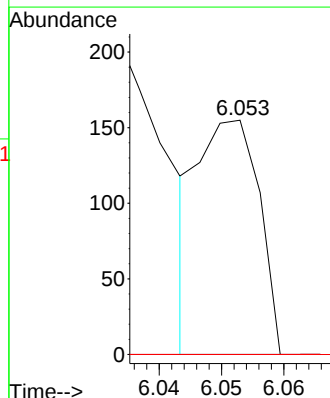
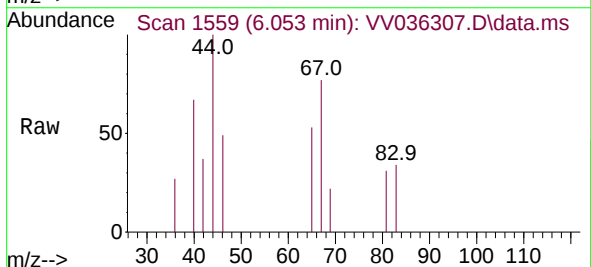
Tgt Ion: 83 Resp: 105

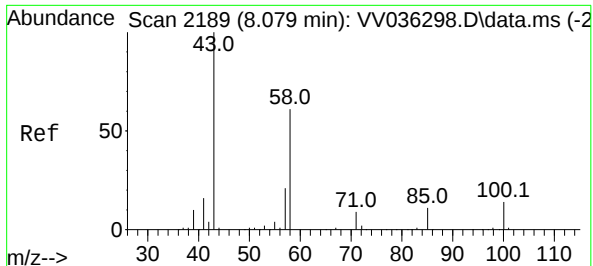
Ion Ratio Lower Upper

83 100

55 0.0 56.0 84.0#

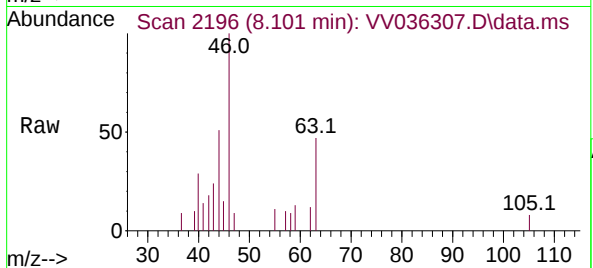
98 0.0 39.0 58.6#





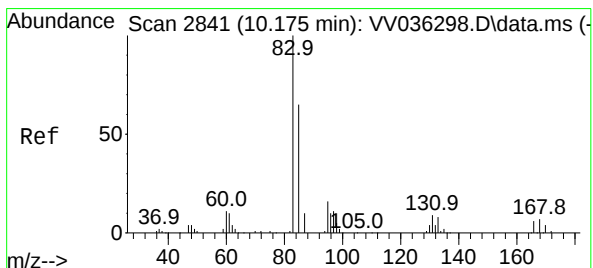
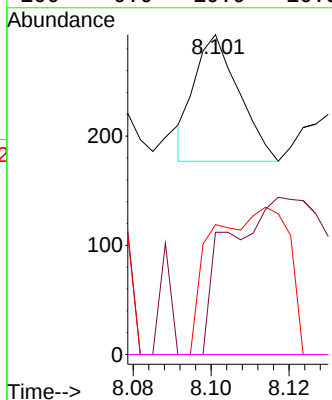
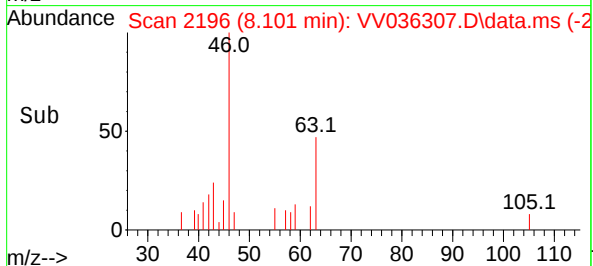
#48
2-Hexanone
Concen: 1.193 ug/L
RT: 8.101 min Scan# 2189
Delta R.T. 0.022 min
Lab File: VV036307.D
Acq: 27 Jun 2024 14:37

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 43 Resp: 91

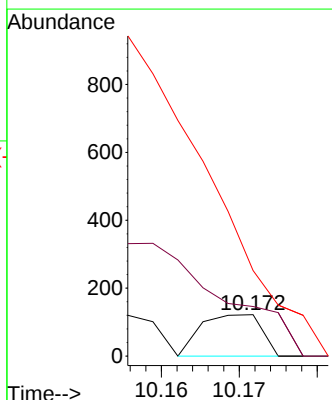
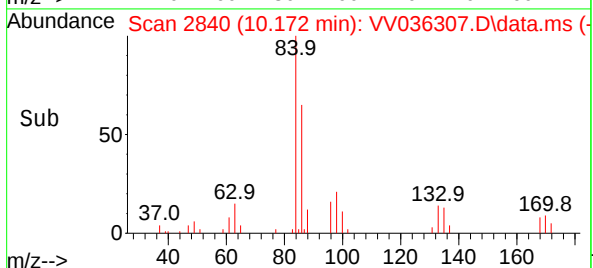
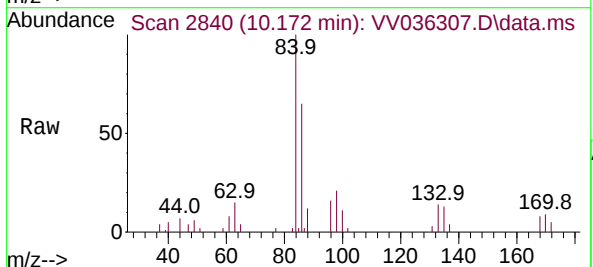
Ion	Ratio	Lower	Upper
43	100		
58	69.2	48.5	72.7
57	95.6	15.8	23.6#
100	0.0	10.9	16.3#

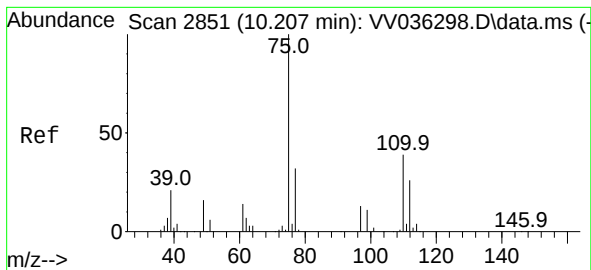


#57
1,1,2,2-Tetrachloroethane
Concen: 0.485 ug/L
RT: 10.172 min Scan# 2840
Delta R.T. -0.003 min
Lab File: VV036307.D
Acq: 27 Jun 2024 14:37

Tgt Ion: 83 Resp: 66

Ion	Ratio	Lower	Upper
83	100		
85	119.7	45.7	84.9#
131	206.6	7.8	11.6#





#61

1,2,3-Trichloropropane

Concen: 2.078 ug/L

RT: 11.185 min Scan# 3155

Delta R.T. 0.977 min

Lab File: VV036307.D

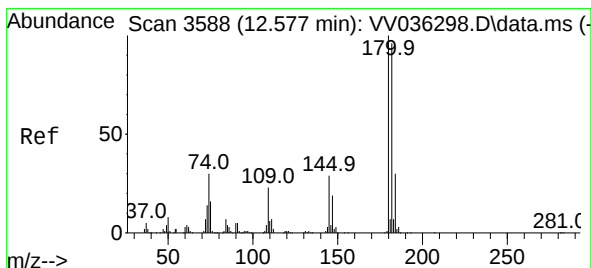
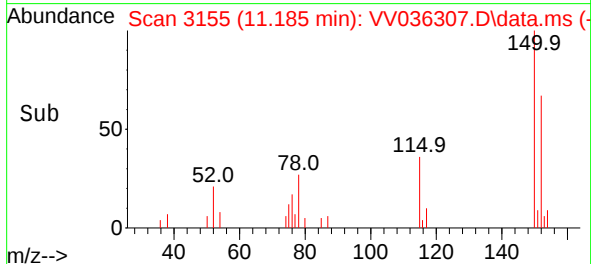
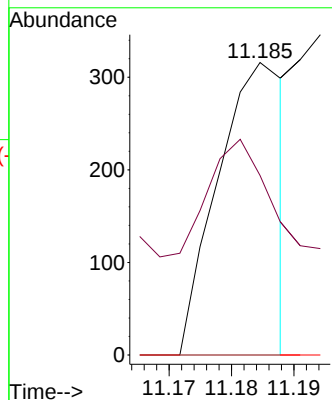
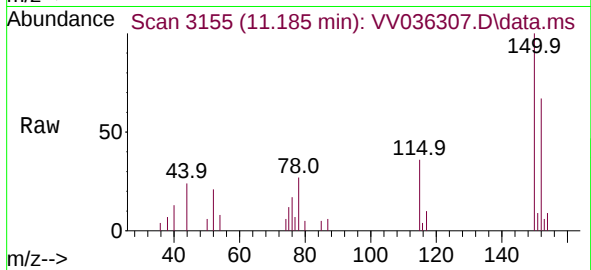
Acq: 27 Jun 2024 14:37

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 75	Resp:	234
Ion Ratio	Lower	Upper
75	100	
77	105.6	25.2 37.8#
110	0.0	31.7 47.5#



#69

1,3,5-Trichlorobenzene

Concen: 0.701 ug/L

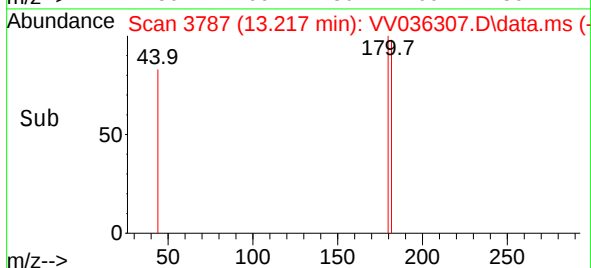
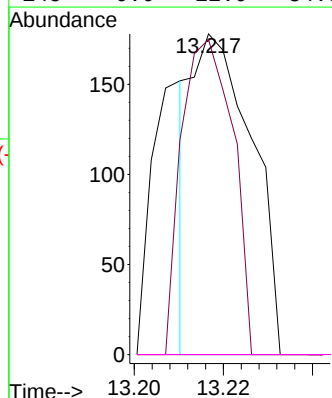
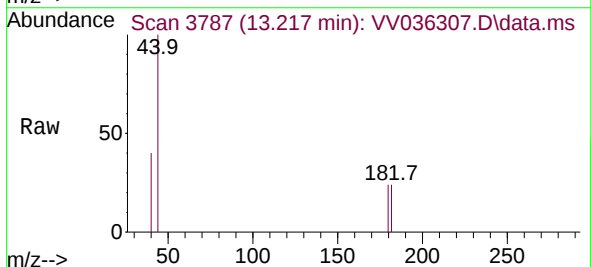
RT: 13.217 min Scan# 3787

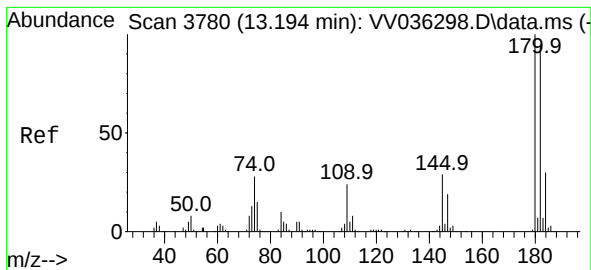
Delta R.T. 0.640 min

Lab File: VV036307.D

Acq: 27 Jun 2024 14:37

Tgt Ion: 180	Resp:	166
Ion Ratio	Lower	Upper
180	100	
182	84.3	76.2 114.4
184	0.0	23.3 34.9#
145	0.0	22.9 34.3#





#70

1,2,4-trichlorobenzene

Concen: 0.879 ug/L

RT: 13.217 min Scan# 31

Delta R.T. 0.022 min

Lab File: VV036307.D

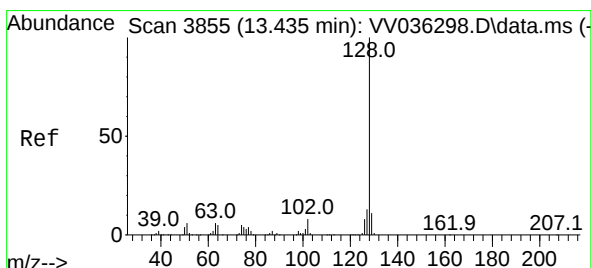
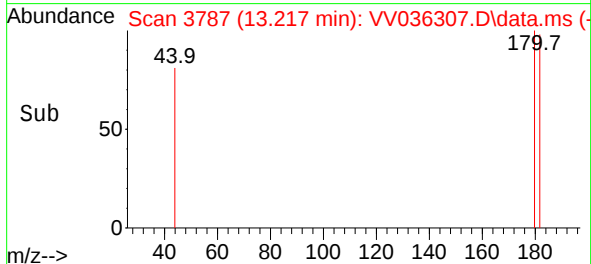
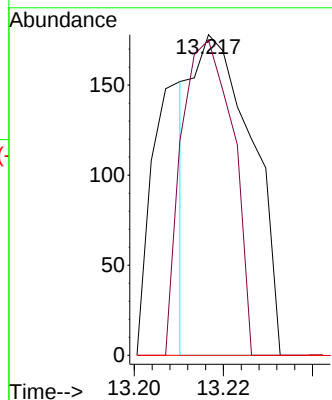
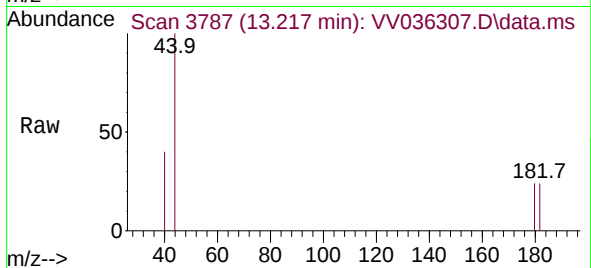
Acq: 27 Jun 2024 14:37

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:180	Resp:	166
Ion Ratio	Lower	Upper
180	100	
182	84.3	76.1 114.1
145	0.0	23.8 35.8#



#71

Naphthalene

Concen: 3.028 ug/L

RT: 13.467 min Scan# 3865

Delta R.T. 0.032 min

Lab File: VV036307.D

Acq: 27 Jun 2024 14:37

Tgt Ion:128	Resp:	1019
Ion Ratio	Lower	Upper
128	100	
127	0.0	10.8 16.2#
129	0.0	8.6 13.0#

