

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV061924\
 Data File : VV036145.D
 Acq On : 19 Jun 2024 18:14
 Operator : SY/MD
 Sample : P2873-19
 Misc : 2.99g/10.0mL/MSVOA_V/SOIL/B
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 20 05:18:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 20 05:02:48 2024
 Response via : Initial Calibration

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

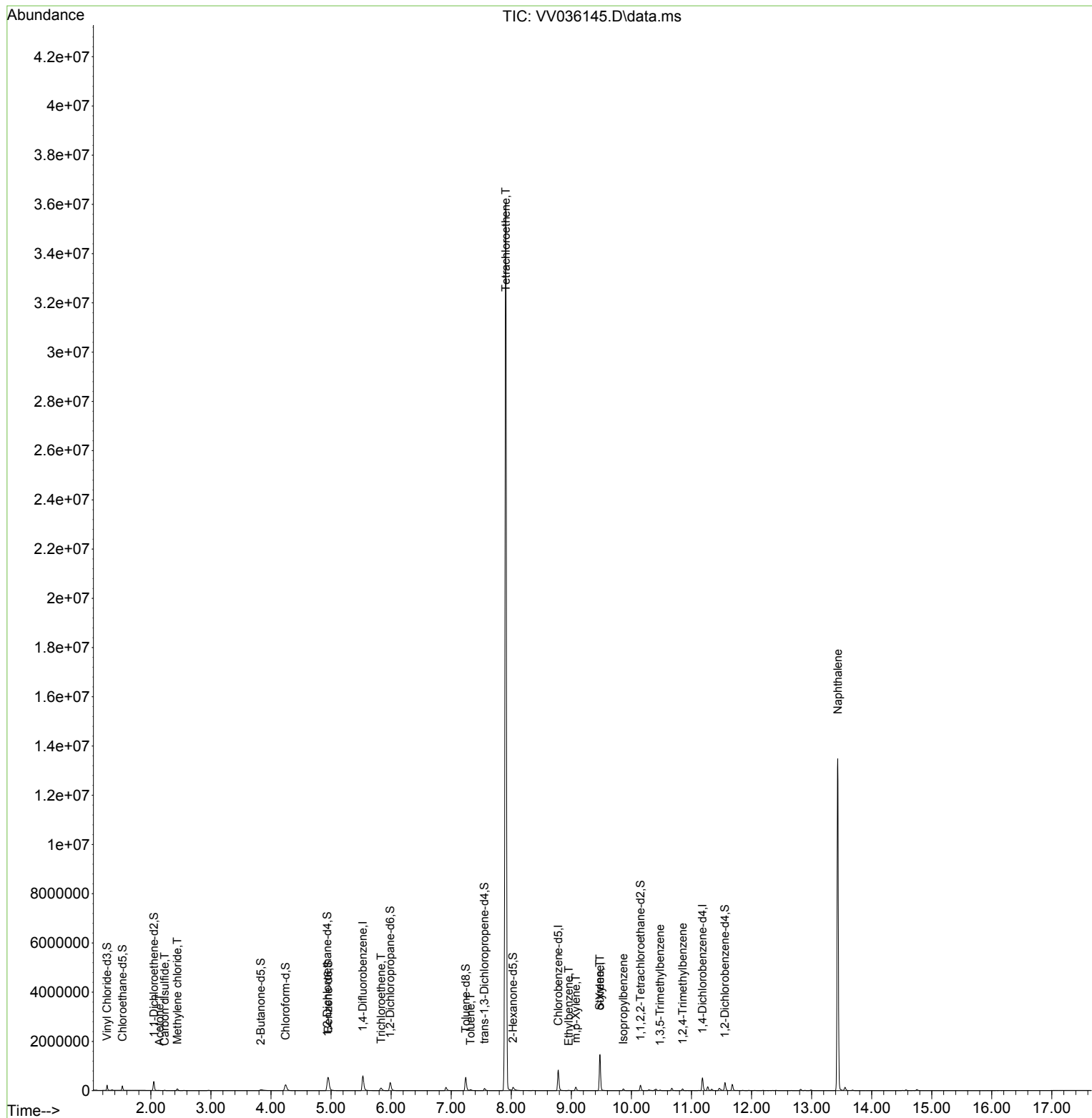
Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	516266	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	454928	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	134918	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	134309	14.150	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	56.600%
7) Chloroethane-d5	1.526	69	119346	15.769	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	63.080%
11) 1,1-Dichloroethene-d2	2.050	65	62197	14.720	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	58.880%
21) 2-Butanone-d5	3.831	46	57357	26.338	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	52.680%
24) Chloroform-d	4.243	84	260579	15.876	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	63.520%
26) 1,2-Dichloroethane-d4	4.937	65	147012	17.083	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	68.320%#
32) Benzene-d6	4.953	84	485490	17.953	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	71.800%
36) 1,2-Dichloropropane-d6	5.986	67	163341	19.181	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	76.720%
41) Toluene-d8	7.243	98	371923	15.588	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	62.360%
43) trans-1,3-Dichloroprop...	7.555	79	56829	16.276	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	65.120%
47) 2-Hexanone-d5	8.030	63	46393	40.210	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	80.420%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	106869	16.794	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	67.160%
66) 1,2-Dichlorobenzene-d4	11.558	152	82607	16.696	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	66.800%#
Target Compounds						Qvalue
13) Acetone	2.143	43	12276	3.619	ug/L	93
14) Carbon disulfide	2.230	76	18859	0.657	ug/L	98
16) Methylene chloride	2.439	84	29701	2.542	ug/L	100
34) Trichloroethene	5.834	95	33234	3.644	ug/L	95
42) Toluene	7.323	91	30624	1.007	ug/L	100
46) Tetrachloroethene	7.908	164	7879171	1181.394	ug/L	95
52) Ethylbenzene	8.956	91	11957	0.368	ug/L	99
53) m,p-Xylene	9.075	106	40434	3.308	ug/L	95
54) o-Xylene	9.477	106	365015	31.669	ug/L	97
55) Styrene	9.474	104	24395	1.200	ug/L #	1
60) Isopropylbenzene	9.866	105	40533	2.342	ug/L	99
62) 1,3,5-Trimethylbenzene	10.477	105	11932	0.951	ug/L	97
63) 1,2,4-Trimethylbenzene	10.854	105	35049	2.592	ug/L	100
71) Naphthalene	13.435	128	9519211	1089.511	ug/L	98

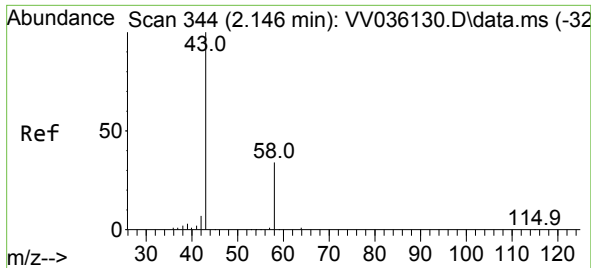
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu Jun 20 05:02:48 2024
Response via : Initial Calibration





#13

Acetone

Concen: 3.619 ug/L

RT: 2.143 min Scan# 34

Delta R.T. -0.003 min

Lab File: VV036145.D

Acq: 19 Jun 2024 18:14

Instrument :

MSVOA_V

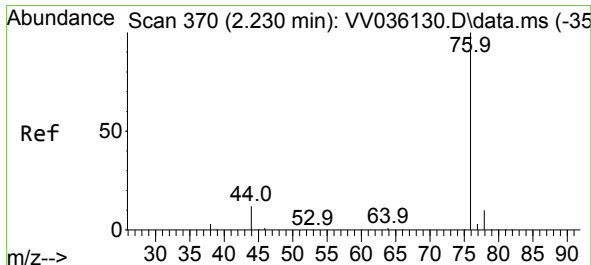
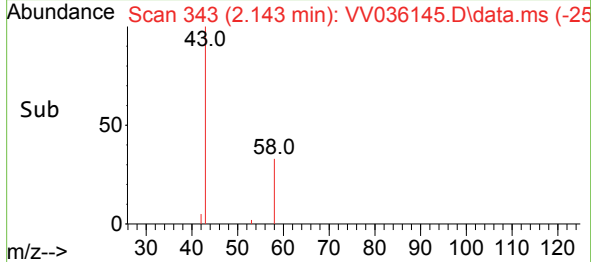
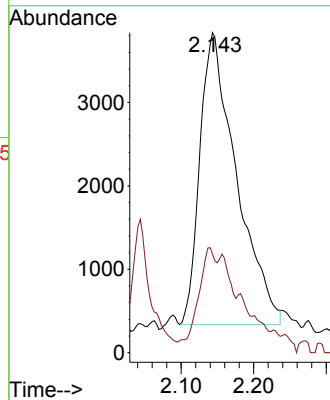
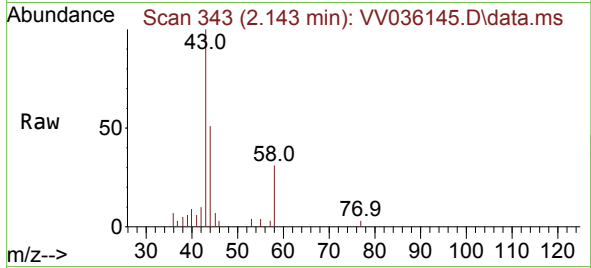
ClientSampleId :

Tgt Ion: 43 Resp: 12276

Ion Ratio Lower Upper

43 100

58 14.9 0.0 24.2



#14

Carbon disulfide

Concen: 0.657 ug/L

RT: 2.230 min Scan# 370

Delta R.T. 0.000 min

Lab File: VV036145.D

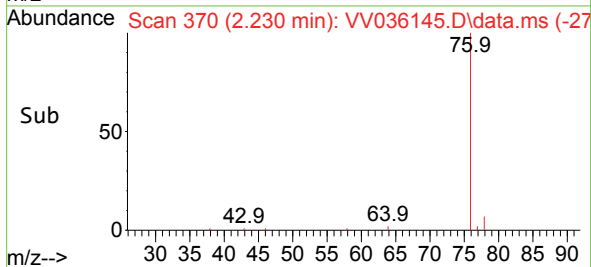
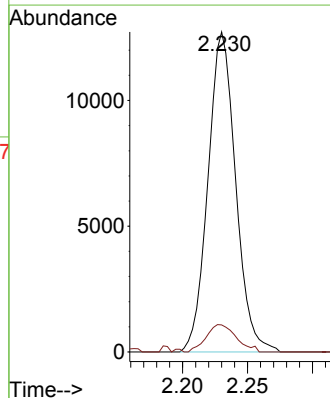
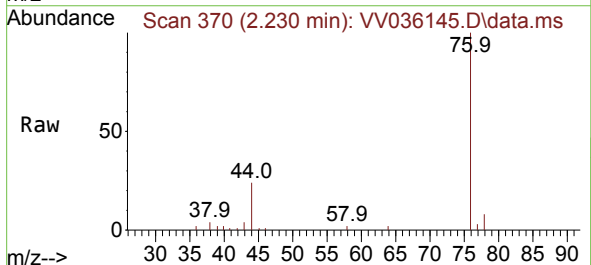
Acq: 19 Jun 2024 18:14

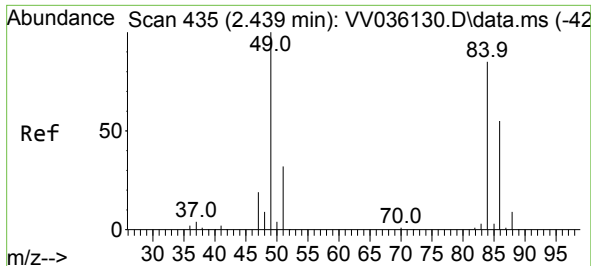
Tgt Ion: 76 Resp: 18859

Ion Ratio Lower Upper

76 100

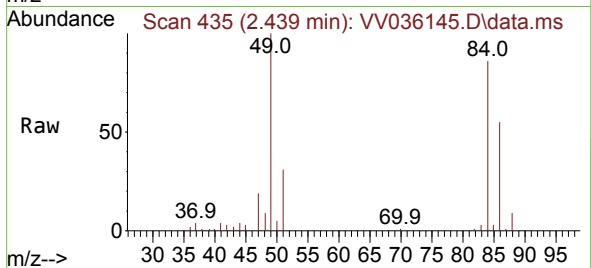
78 8.4 7.4 11.2



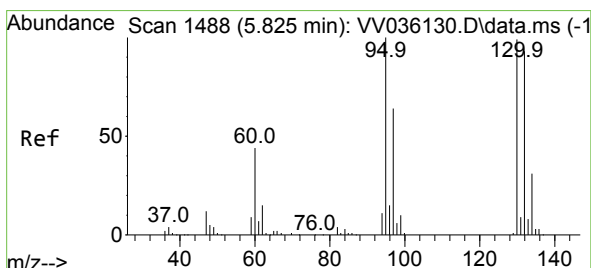
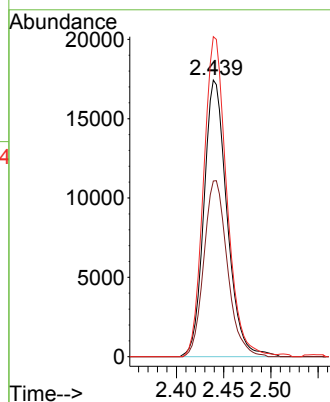
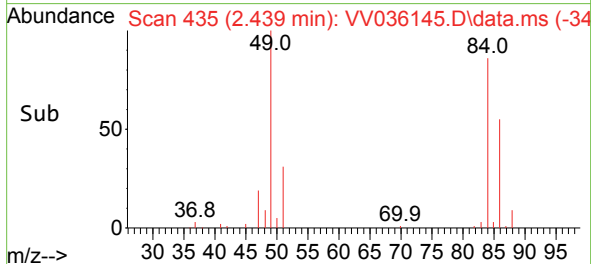


#16
Methylene chloride
Concen: 2.542 ug/L
RT: 2.439 min Scan# 41
Delta R.T. 0.000 min
Lab File: VV036145.D
Acq: 19 Jun 2024 18:14

Instrument :
MSVOA_V
ClientSampleId :

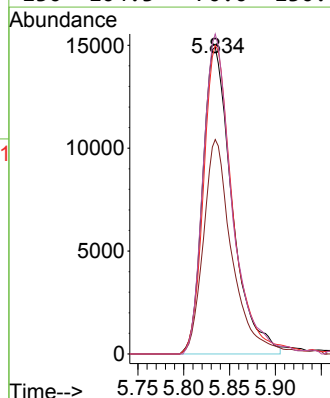
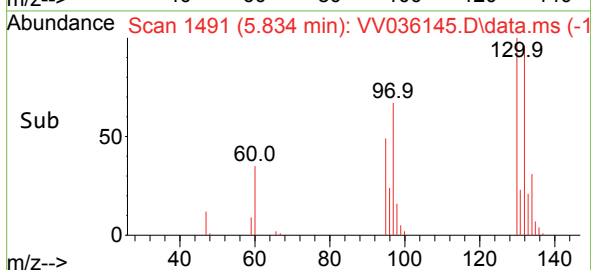
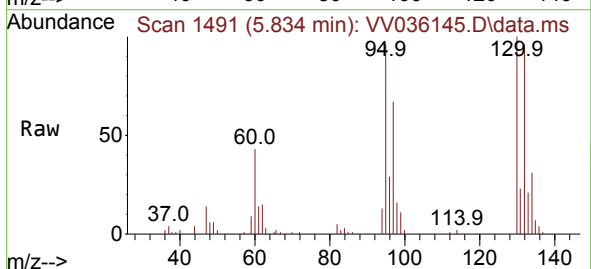


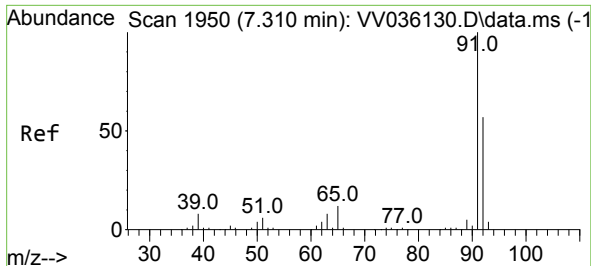
Tgt Ion: 84 Resp: 29701
Ion Ratio Lower Upper
84 100
86 63.5 44.6 82.8
49 115.6 81.1 150.5



#34
Trichloroethene
Concen: 3.644 ug/L
RT: 5.834 min Scan# 1491
Delta R.T. 0.010 min
Lab File: VV036145.D
Acq: 19 Jun 2024 18:14

Tgt Ion: 95 Resp: 33234
Ion Ratio Lower Upper
95 100
97 69.9 44.8 83.2
132 100.6 66.8 124.2
130 104.3 70.0 130.0





#42

Toluene

Concen: 1.007 ug/L

RT: 7.323 min Scan# 1954

Delta R.T. 0.013 min

Lab File: VV036145.D

Acq: 19 Jun 2024 18:14

Instrument :

MSVOA_V

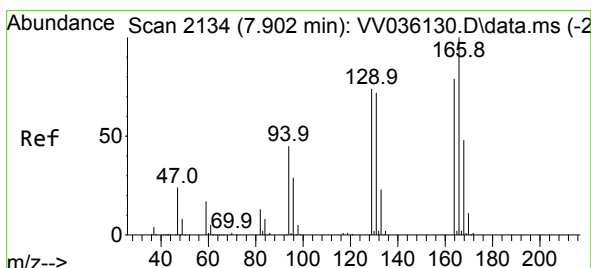
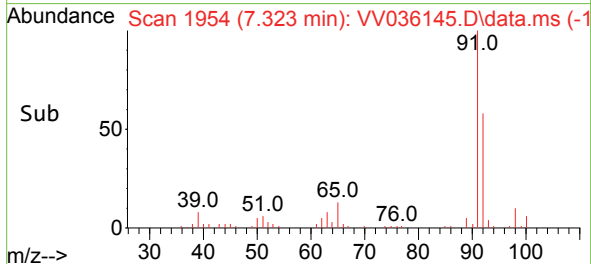
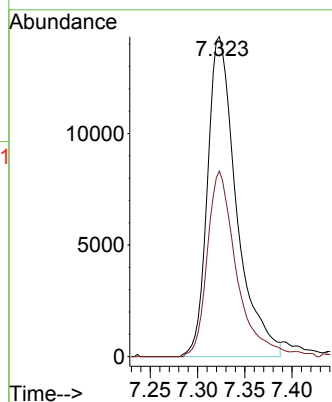
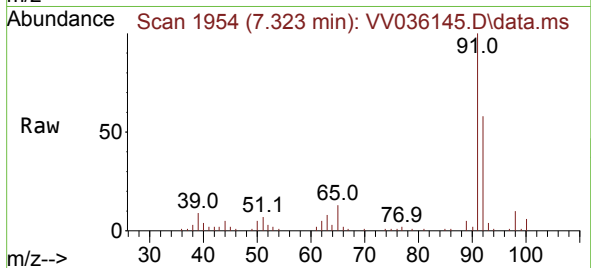
ClientSampleId :

Tgt Ion: 91 Resp: 30624

Ion Ratio Lower Upper

91 100

92 58.0 40.6 75.4



#46

Tetrachloroethene

Concen: 1181.394 ug/L

RT: 7.908 min Scan# 2136

Delta R.T. 0.007 min

Lab File: VV036145.D

Acq: 19 Jun 2024 18:14

Tgt Ion: 164 Resp: 7879171

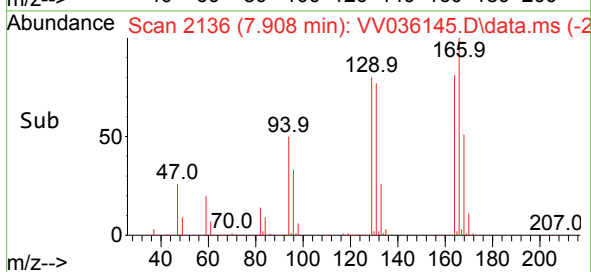
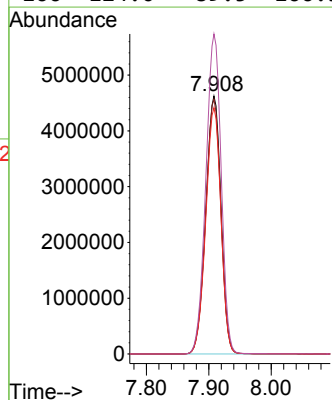
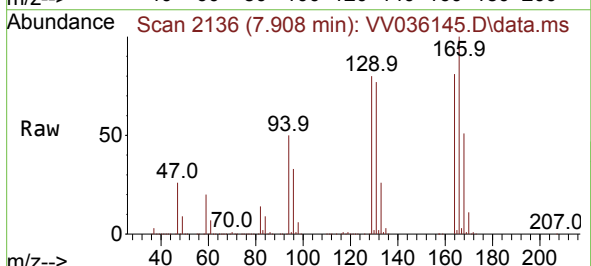
Ion Ratio Lower Upper

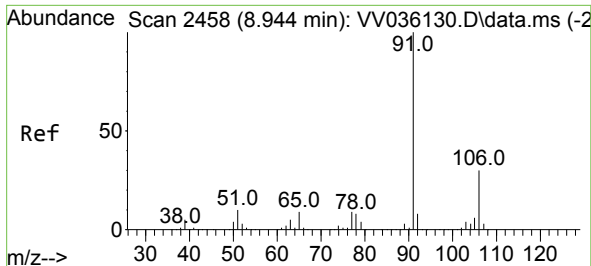
164 100

129 98.7 64.6 120.0

131 95.4 63.2 117.4

166 124.0 89.5 166.3

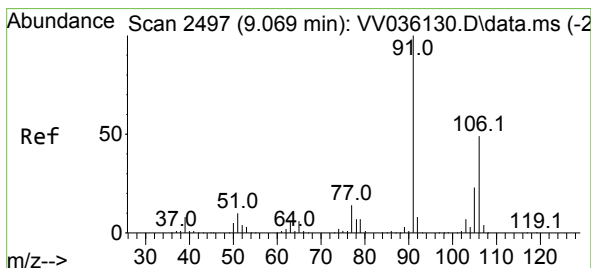
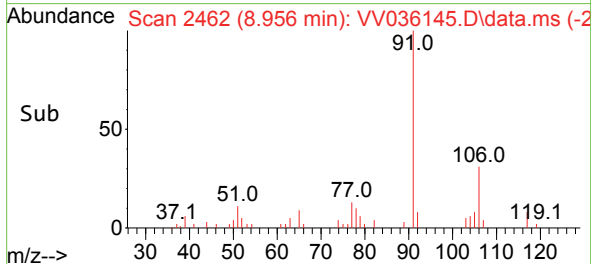
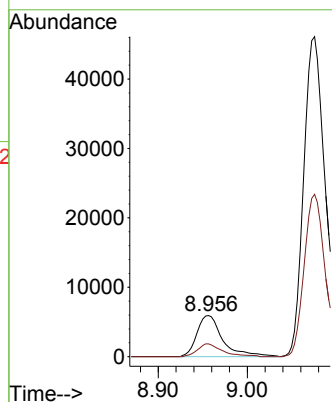
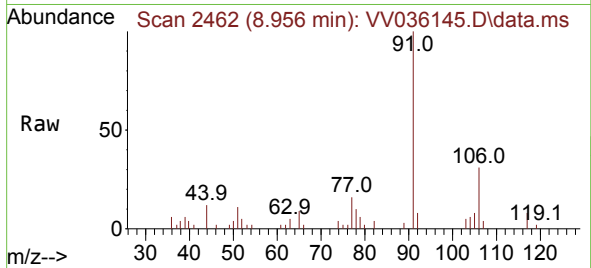




#52
Ethylbenzene
Concen: 0.368 ug/L
RT: 8.956 min Scan# 2458
Delta R.T. 0.013 min
Lab File: VV036145.D
Acq: 19 Jun 2024 18:14

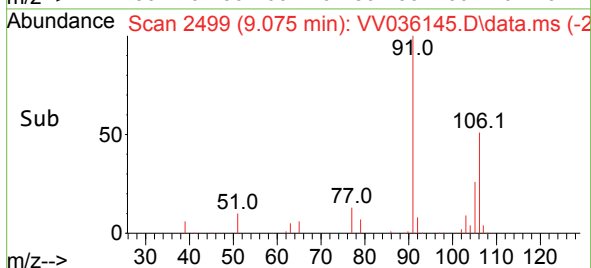
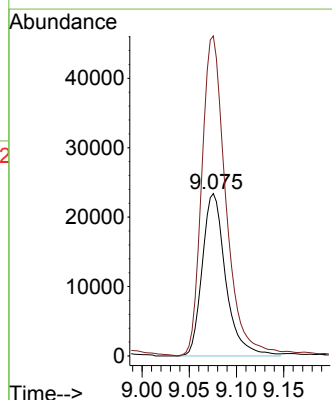
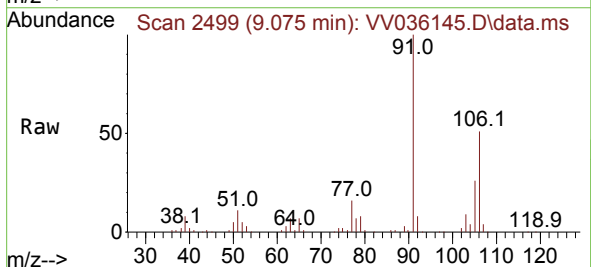
Instrument :
MSVOA_V
ClientSampleId :

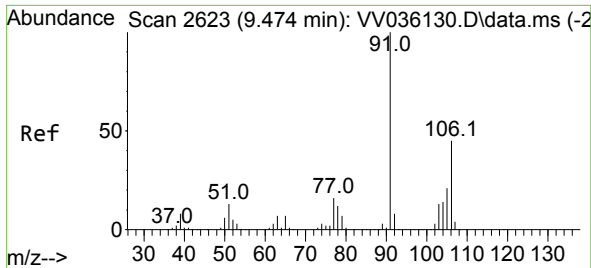
Tgt Ion: 91 Resp: 11957
Ion Ratio Lower Upper
91 100
106 31.2 21.6 40.0



#53
m,p-Xylene
Concen: 3.308 ug/L
RT: 9.075 min Scan# 2499
Delta R.T. 0.007 min
Lab File: VV036145.D
Acq: 19 Jun 2024 18:14

Tgt Ion: 106 Resp: 40434
Ion Ratio Lower Upper
106 100
91 197.0 143.1 265.9

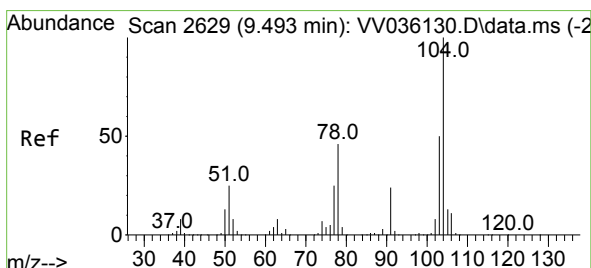
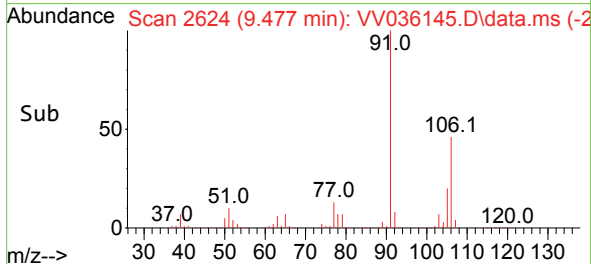
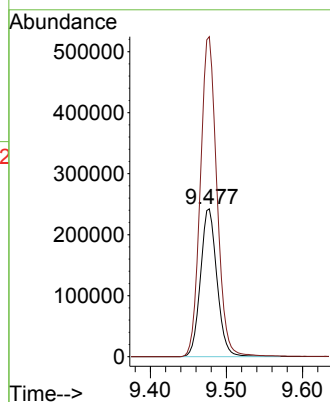
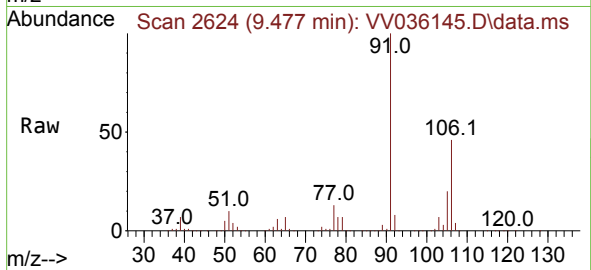




#54
o-Xylene
Concen: 31.669 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. 0.003 min
Lab File: VV036145.D
Acq: 19 Jun 2024 18:14

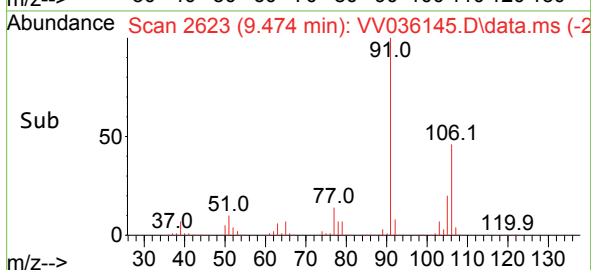
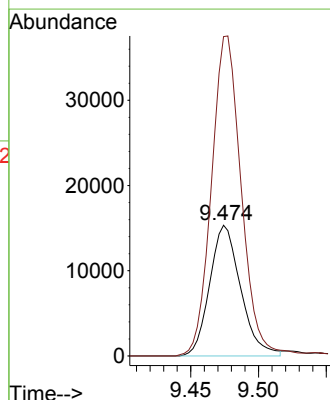
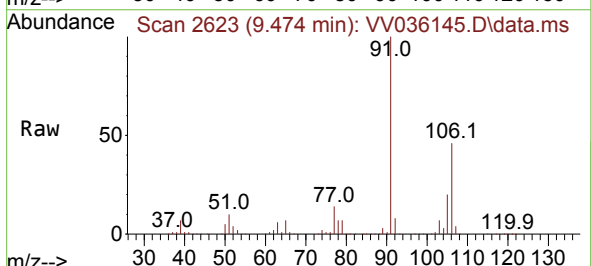
Instrument :
MSVOA_V
ClientSampleId :

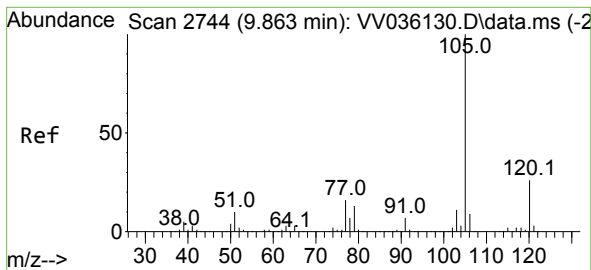
Tgt Ion:106 Resp: 365015
Ion Ratio Lower Upper
106 100
91 216.4 154.5 286.9



#55
Styrene
Concen: 1.200 ug/L
RT: 9.474 min Scan# 2623
Delta R.T. -0.019 min
Lab File: VV036145.D
Acq: 19 Jun 2024 18:14

Tgt Ion:104 Resp: 24395
Ion Ratio Lower Upper
104 100
78 244.2 31.4 58.2#





#60

Isopropylbenzene

Concen: 2.342 ug/L

RT: 9.866 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV036145.D

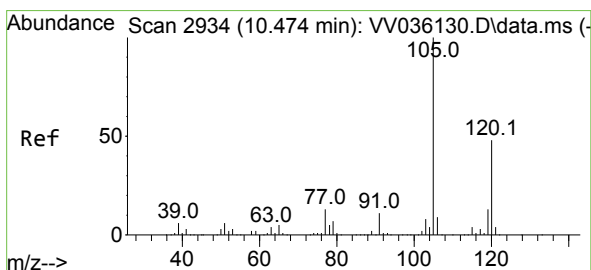
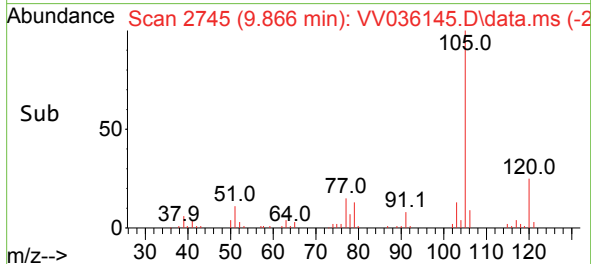
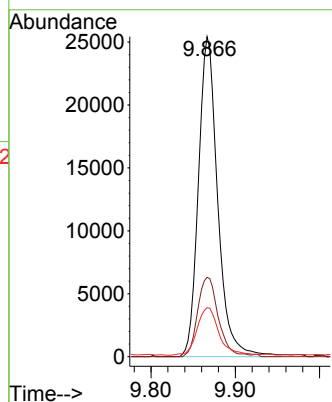
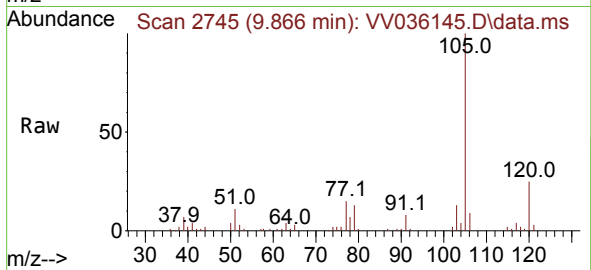
Acq: 19 Jun 2024 18:14

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:	105	Resp:	40533
Ion Ratio	Lower	Upper	
105	100		
120	26.2	21.0	31.6
77	16.8	12.6	18.8



#62

1,3,5-Trimethylbenzene

Concen: 0.951 ug/L

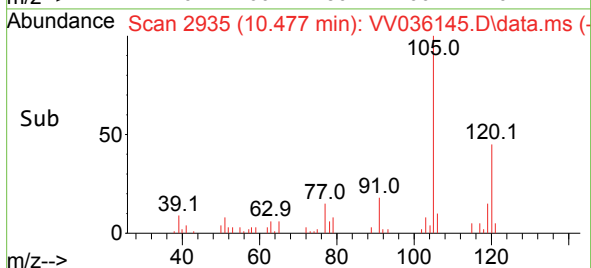
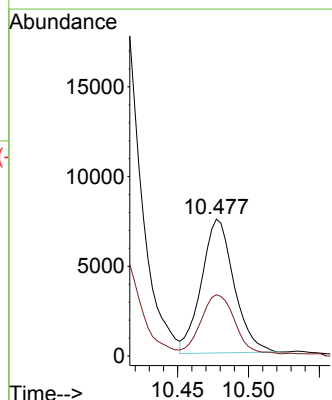
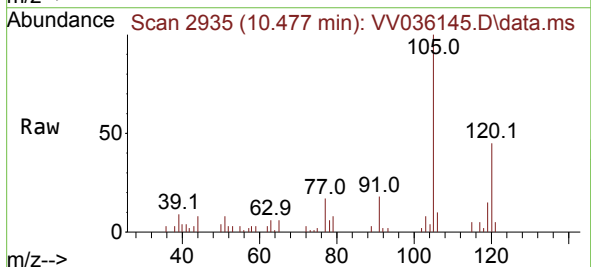
RT: 10.477 min Scan# 2935

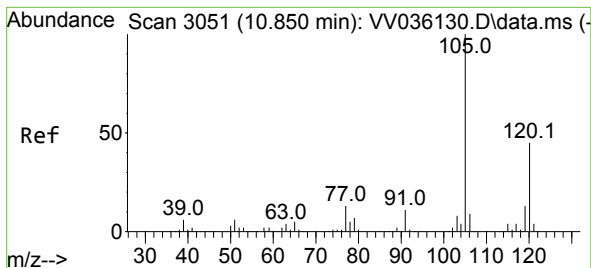
Delta R.T. 0.003 min

Lab File: VV036145.D

Acq: 19 Jun 2024 18:14

Tgt Ion:	105	Resp:	11932
Ion Ratio	Lower	Upper	
105	100		
120	46.2	38.6	58.0





#63

1,2,4-Trimethylbenzene

Concen: 2.592 ug/L

RT: 10.854 min Scan# 3051

Delta R.T. 0.003 min

Lab File: VV036145.D

Acq: 19 Jun 2024 18:14

Instrument :

MSVOA_V

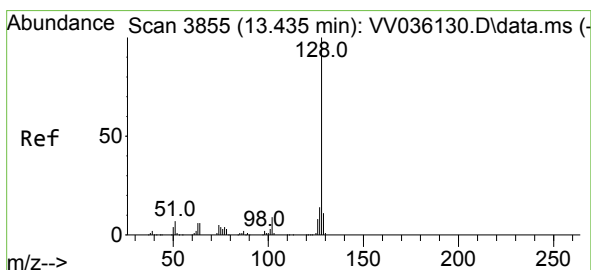
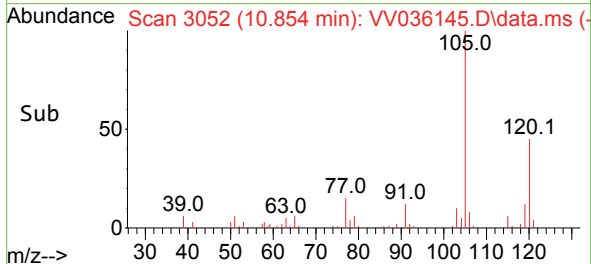
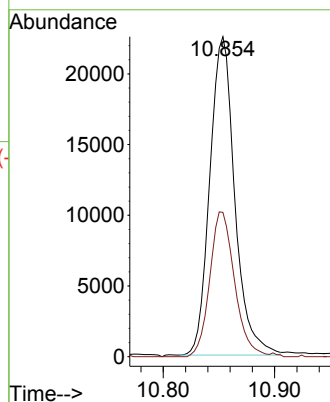
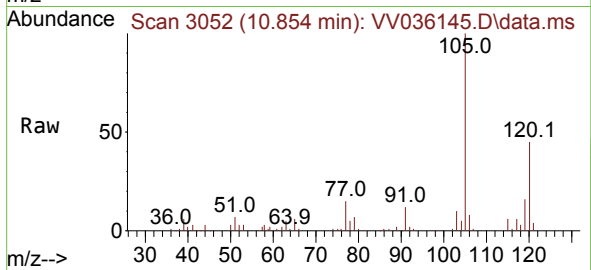
ClientSampleId :

Tgt Ion:105 Resp: 35049

Ion Ratio Lower Upper

105 100

120 45.2 36.2 54.4



#71

Naphthalene

Concen: 1089.511 ug/L

RT: 13.435 min Scan# 3855

Delta R.T. 0.000 min

Lab File: VV036145.D

Acq: 19 Jun 2024 18:14

Tgt Ion:128 Resp: 9519211

Ion Ratio Lower Upper

128 100

127 14.0 10.6 16.0

129 11.8 8.8 13.2

