

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061924\
 Data File : VW036147.D
 Acq On : 19 Jun 2024 19:01
 Operator : SY/MD
 Sample : P2873-21
 Misc : 5.10g/10.0mL/MSVOA_V/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 20 05:18:46 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)

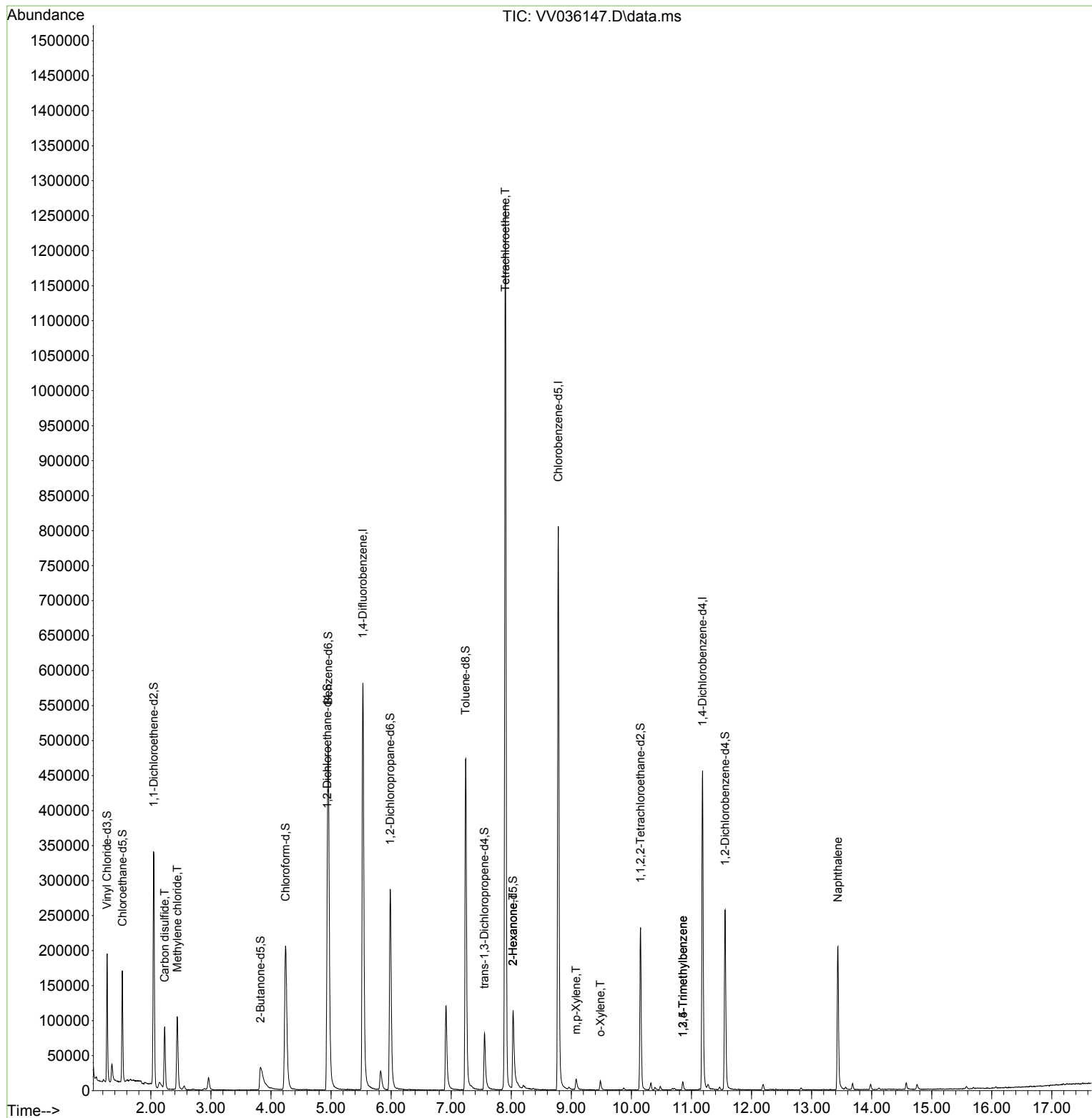
Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	505477	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	446446	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.184	152	122517	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	126010	13.559	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	54.240%
7) Chloroethane-d5	1.526	69	108182	14.599	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	58.400%
11) 1,1-Dichloroethene-d2	2.047	65	58128	14.050	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	56.200%
21) 2-Butanone-d5	3.825	46	58482	27.428	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	54.860%
24) Chloroform-d	4.243	84	230158	14.322	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	57.280%
26) 1,2-Dichloroethane-d4	4.937	65	138647	16.455	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	65.840%#
32) Benzene-d6	4.953	84	433802	16.347	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	65.400%
36) 1,2-Dichloropropane-d6	5.985	67	145954	17.465	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	69.840%#
41) Toluene-d8	7.239	98	332939	14.219	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	56.880%
43) trans-1,3-Dichloroprop...	7.554	79	52383	15.287	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	61.160%
47) 2-Hexanone-d5	8.030	63	41438	36.598	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	73.200%
56) 1,1,2,2-Tetrachloroeth...	10.152	84	116009	18.577	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	74.320%
66) 1,2-Dichlorobenzene-d4	11.561	152	69276	15.419	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	61.680%#
Target Compounds						Qvalue
14) Carbon disulfide	2.230	76	103916	3.697	ug/L	100
16) Methylene chloride	2.439	84	45995	4.021	ug/L	98
46) Tetrachloroethene	7.902	164	280089	42.794	ug/L	98
48) 2-Hexanone	8.030	43	5874	1.804	ug/L #	68
53) m,p-Xylene	9.082	106	5197	0.433	ug/L	94
54) o-Xylene	9.484	106	3638	0.322	ug/L	81
62) 1,3,5-Trimethylbenzene	10.856	105	6536	0.573	ug/L	94
63) 1,2,4-Trimethylbenzene	10.856	105	6536	0.532	ug/L	99
71) Naphthalene	13.438	128	164359	20.716	ug/L	99

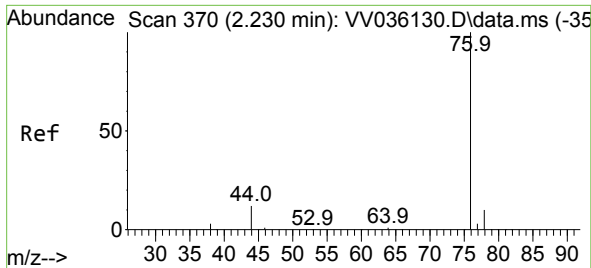
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#14

Carbon disulfide

Concen: 3.697 ug/L

RT: 2.230 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV036147.D

Acq: 19 Jun 2024 19:01

Instrument :

MSVOA_V

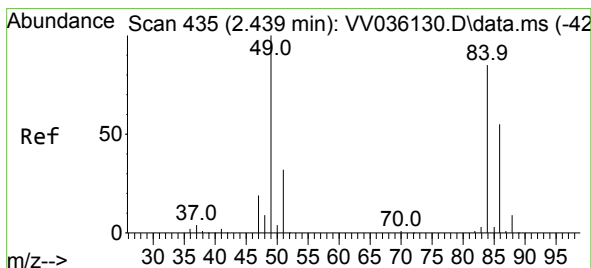
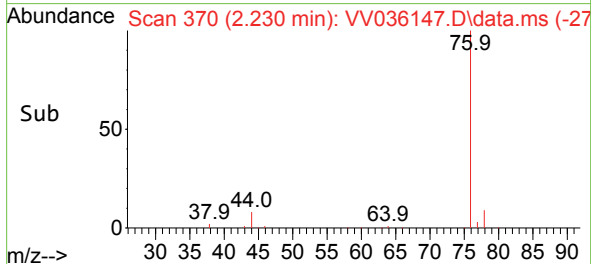
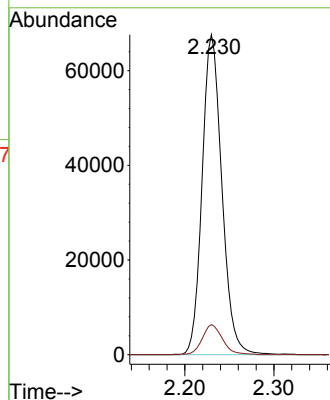
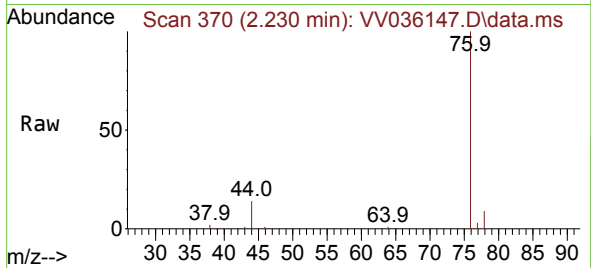
ClientSampleId :

Tgt Ion: 76 Resp: 103916

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.2



#16

Methylene chloride

Concen: 4.021 ug/L

RT: 2.439 min Scan# 435

Delta R.T. -0.000 min

Lab File: VV036147.D

Acq: 19 Jun 2024 19:01

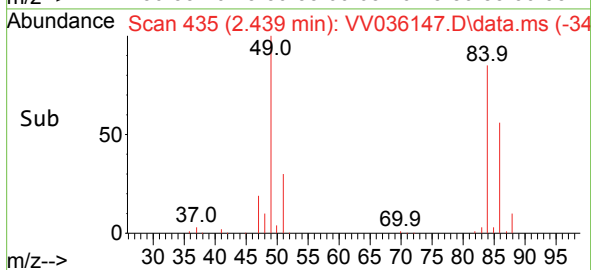
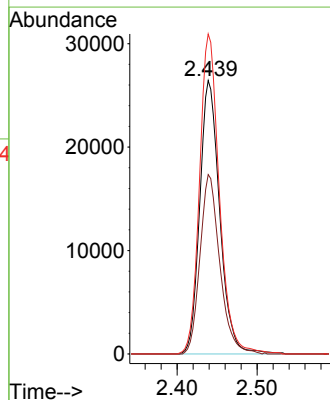
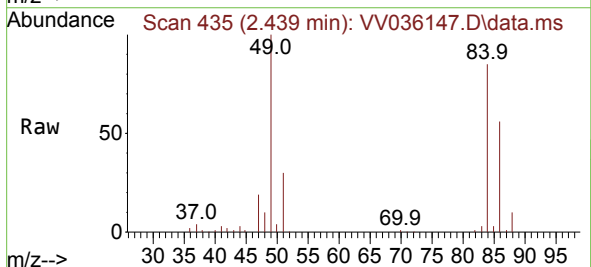
Tgt Ion: 84 Resp: 45995

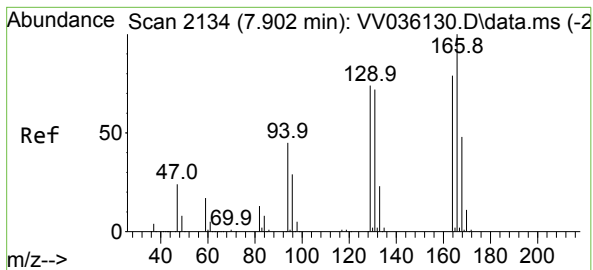
Ion Ratio Lower Upper

84 100

86 65.6 44.6 82.8

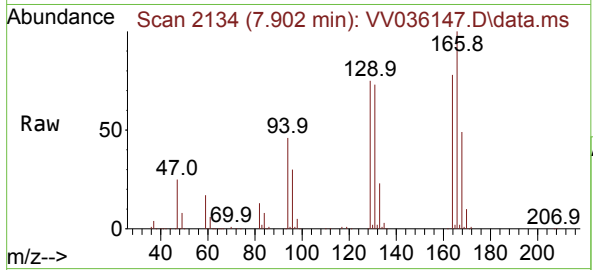
49 117.0 81.1 150.5





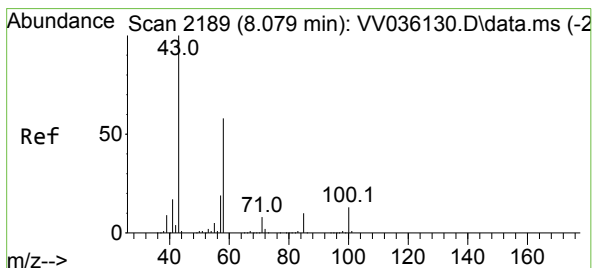
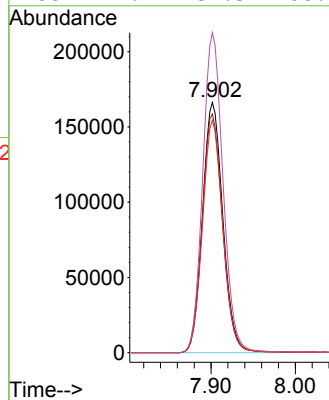
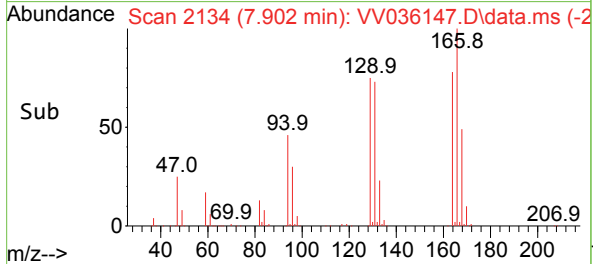
#46
Tetrachloroethene
Concen: 42.794 ug/L
RT: 7.902 min Scan# 2134
Delta R.T. -0.000 min
Lab File: VV036147.D
Acq: 19 Jun 2024 19:01

Instrument :
MSVOA_V
ClientSampleId :

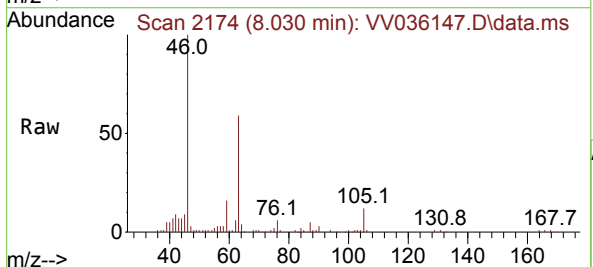


Tgt Ion:164 Resp: 280089

Ion	Ratio	Lower	Upper
164	100		
129	95.4	64.6	120.0
131	92.9	63.2	117.4
166	127.9	89.5	166.3

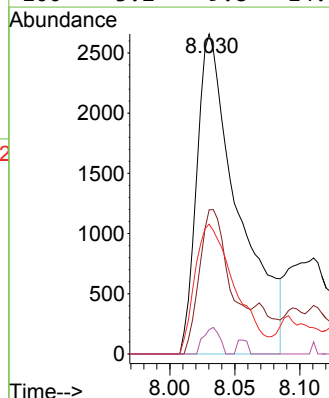
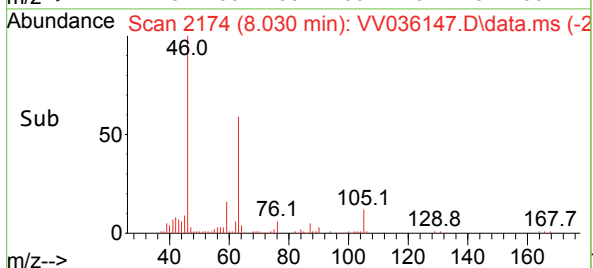


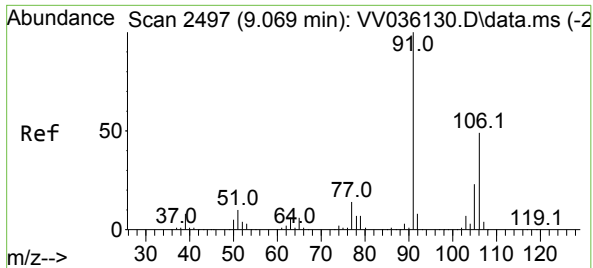
#48
2-Hexanone
Concen: 1.804 ug/L
RT: 8.030 min Scan# 2174
Delta R.T. -0.048 min
Lab File: VV036147.D
Acq: 19 Jun 2024 19:01



Tgt Ion: 43 Resp: 5874

Ion	Ratio	Lower	Upper
43	100		
58	34.5	45.4	68.0#
57	39.5	15.8	23.8#
100	3.2	9.8	14.8#

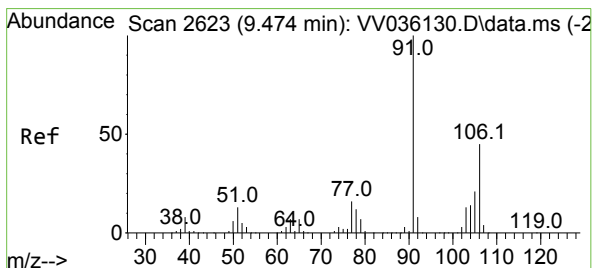
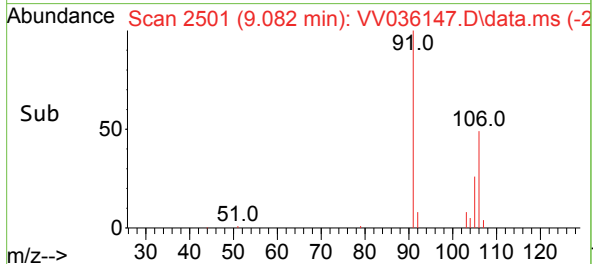
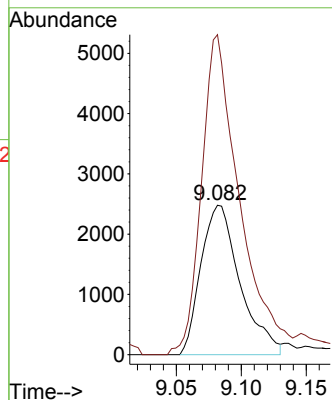
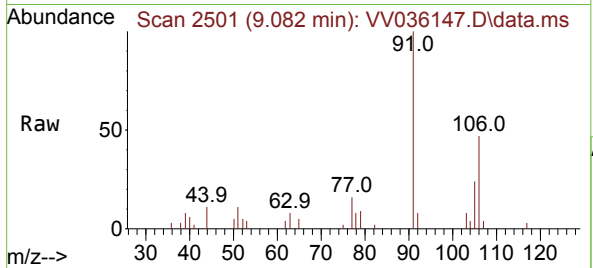




#53
m,p-Xylene
Concen: 0.433 ug/L
RT: 9.082 min Scan# 21
Delta R.T. 0.013 min
Lab File: VV036147.D
Acq: 19 Jun 2024 19:01

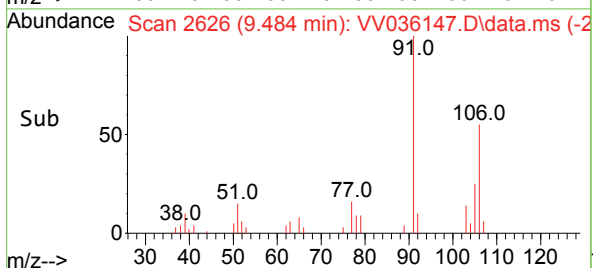
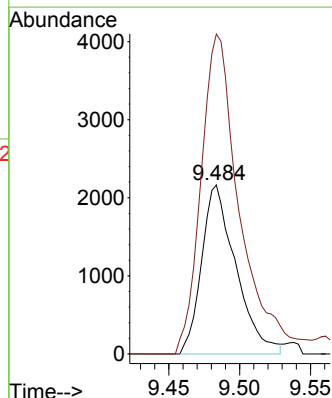
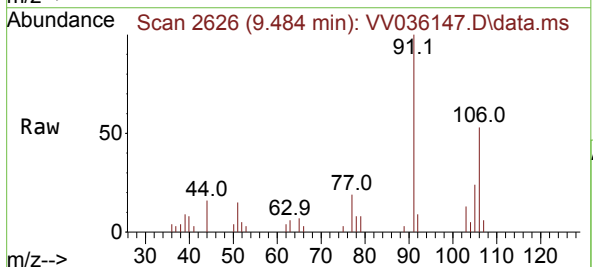
Instrument :
MSVOA_V
ClientSampleId :

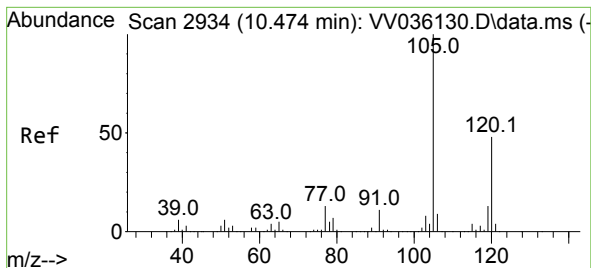
Tgt Ion:106 Resp: 5197
Ion Ratio Lower Upper
106 100
91 214.0 143.1 265.9



#54
o-Xylene
Concen: 0.322 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. 0.009 min
Lab File: VV036147.D
Acq: 19 Jun 2024 19:01

Tgt Ion:106 Resp: 3638
Ion Ratio Lower Upper
106 100
91 189.5 154.5 286.9





#62

1,3,5-Trimethylbenzene

Concen: 0.573 ug/L

RT: 10.856 min Scan# 3053

Delta R.T. 0.382 min

Lab File: VV036147.D

Acq: 19 Jun 2024 19:01

Instrument :

MSVOA_V

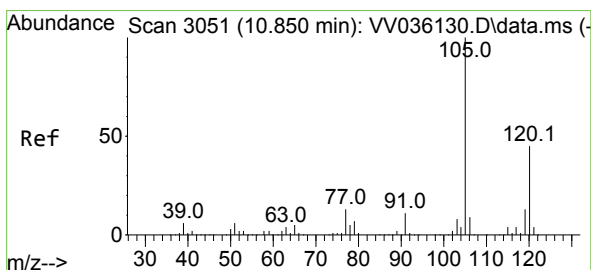
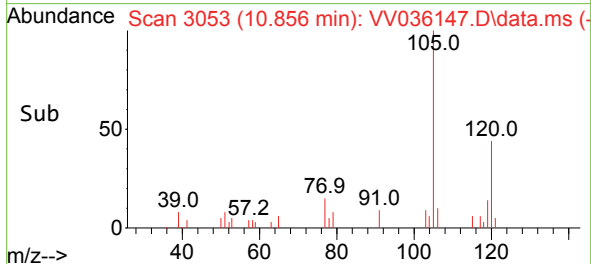
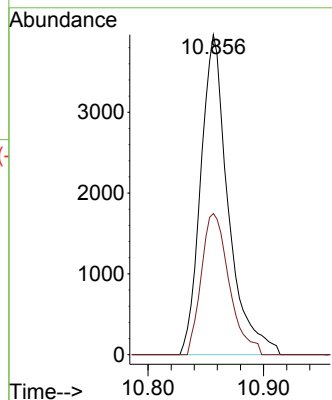
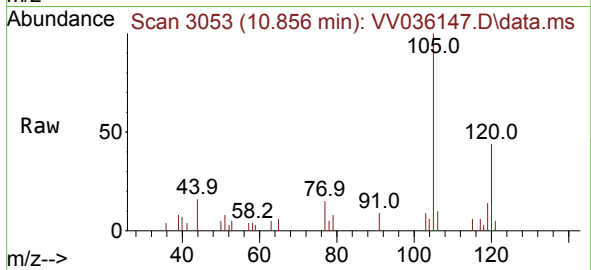
ClientSampleId :

Tgt Ion:105 Resp: 6536

Ion Ratio Lower Upper

105 100

120 44.4 38.6 58.0



#63

1,2,4-Trimethylbenzene

Concen: 0.532 ug/L

RT: 10.856 min Scan# 3053

Delta R.T. 0.006 min

Lab File: VV036147.D

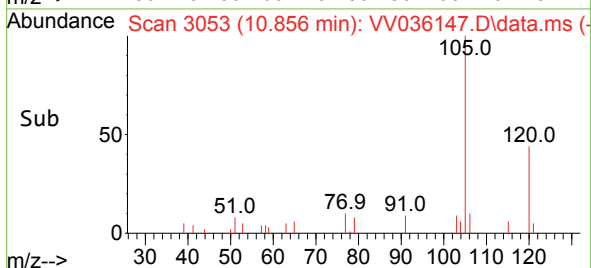
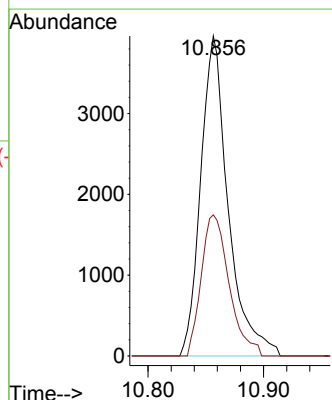
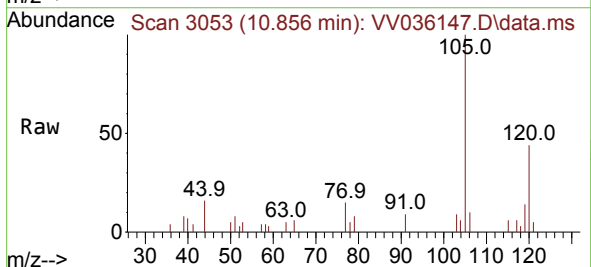
Acq: 19 Jun 2024 19:01

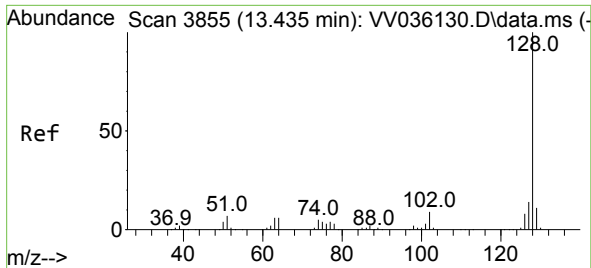
Tgt Ion:105 Resp: 6536

Ion Ratio Lower Upper

105 100

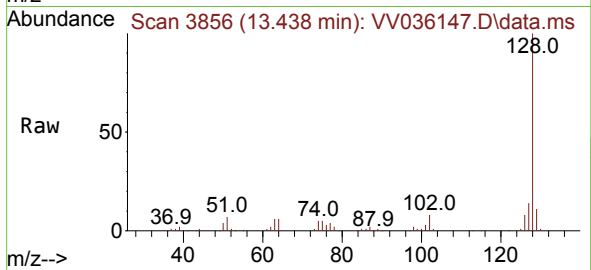
120 44.4 36.2 54.4





#71
Naphthalene
Concen: 20.716 ug/L
RT: 13.438 min Scan# 3856
Delta R.T. 0.003 min
Lab File: VV036147.D
Acq: 19 Jun 2024 19:01

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:128 Resp: 164359
Ion Ratio Lower Upper
128 100
127 14.0 10.6 16.0
129 10.7 8.8 13.2

