

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061824\
 Data File : VW036122.D
 Acq On : 18 Jun 2024 16:26
 Operator : SY/MD
 Sample : P2873-13
 Misc : 3.99g/10.0mL/MSVOA_V/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 19 03:31:35 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 19 03:24:16 2024
 Response via : Initial Calibration

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

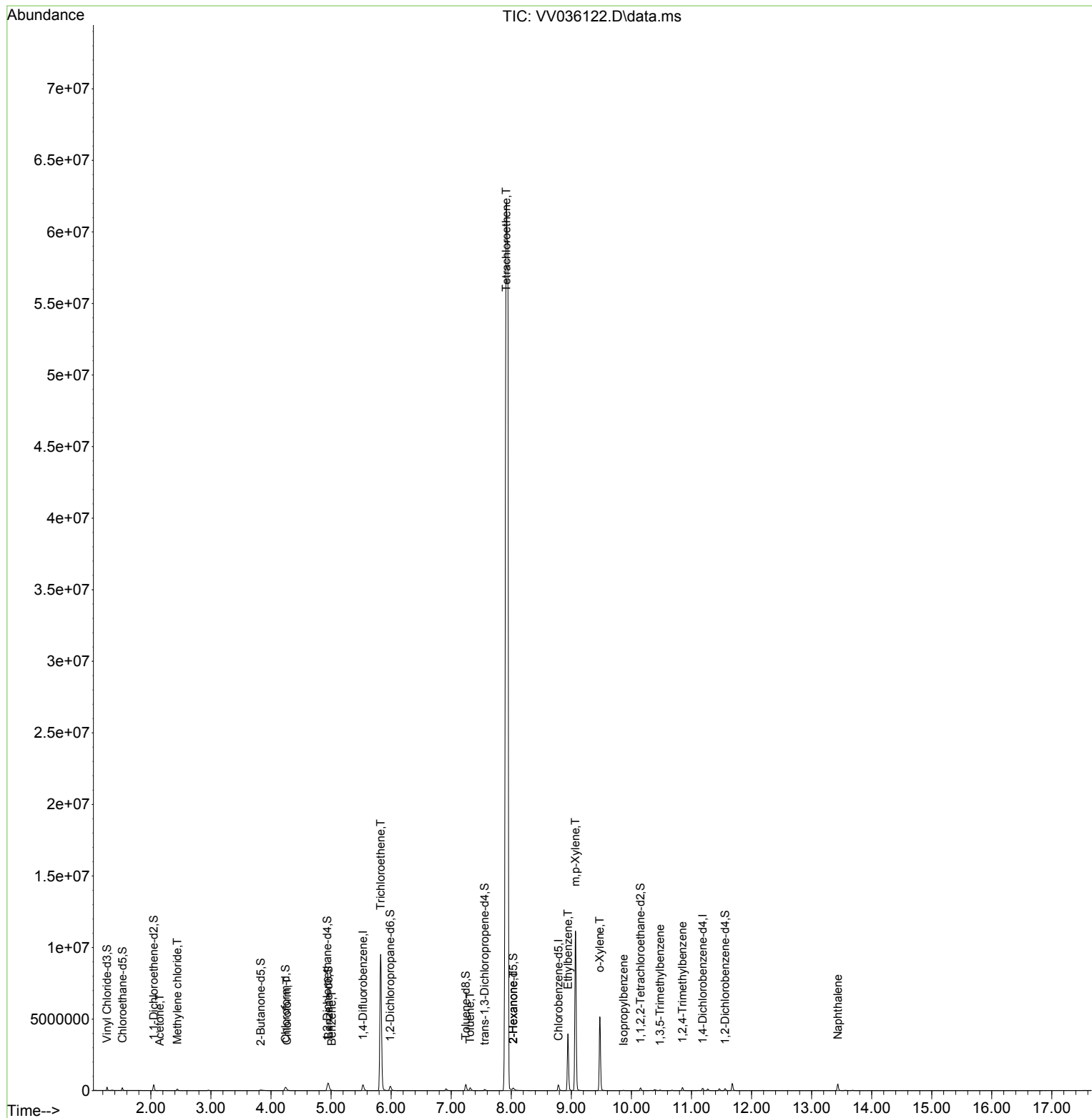
Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	353861	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	228016	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	45782	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	161494	24.823	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.280%
7) Chloroethane-d5	1.526	69	129360	24.937	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.760%
11) 1,1-Dichloroethene-d2	2.047	65	68907	23.792	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.160%
21) 2-Butanone-d5	3.831	46	74156	49.681	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.360%
24) Chloroform-d	4.243	84	257764	22.912	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.640%
26) 1,2-Dichloroethane-d4	4.937	65	159290	27.005	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	108.040%
32) Benzene-d6	4.957	84	460159	33.951	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	135.800%#
36) 1,2-Dichloropropane-d6	5.986	67	157900	36.994	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	147.960%#
41) Toluene-d8	7.243	98	298601	24.969	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.880%
43) trans-1,3-Dichloroprop...	7.558	79	53368	30.495	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	121.960%
47) 2-Hexanone-d5	8.034	63	48049	83.089	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	166.180%#
56) 1,1,2,2-Tetrachloroeth...	10.153	84	94286	29.561	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	118.240%
66) 1,2-Dichlorobenzene-d4	11.561	152	35681	21.253	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	85.000%
Target Compounds						Qvalue
13) Acetone	2.146	43	25149	10.816	ug/L #	58
16) Methylene chloride	2.439	84	46980	5.867	ug/L	98
25) Chloroform	4.269	83	5945	0.504	ug/L	78
33) Benzene	5.011	78	7473	0.501	ug/L	100
34) Trichloroethene	5.825	95	3373882	738.172	ug/L	98
42) Toluene	7.317	91	151767	9.960	ug/L	98
46) Tetrachloroethene	7.918	164	18535679	5544.981	ug/L	90
48) 2-Hexanone	8.034	43	5007	3.010	ug/L #	71
52) Ethylbenzene	8.944	91	2589557	158.834	ug/L	99
53) m,p-Xylene	9.069	106	3035365	495.489	ug/L	97
54) o-Xylene	9.474	106	1264369	218.861	ug/L	99
60) Isopropylbenzene	9.870	105	13190	2.246	ug/L	98
62) 1,3,5-Trimethylbenzene	10.477	105	22982	5.396	ug/L	95
63) 1,2,4-Trimethylbenzene	10.850	105	113095	24.645	ug/L	99
71) Naphthalene	13.435	128	366897	123.751	ug/L	99

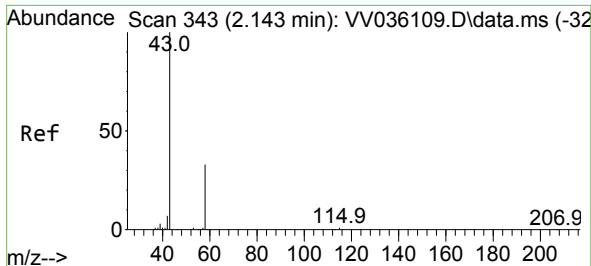
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jun 19 03:24:16 2024
Response via : Initial Calibration





#13

Acetone

Concen: 10.816 ug/L

RT: 2.146 min Scan# 34

Delta R.T. 0.003 min

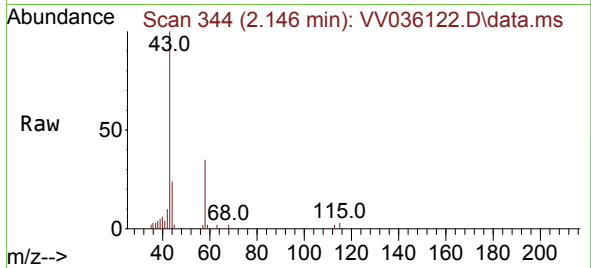
Lab File: VV036122.D

Acq: 18 Jun 2024 16:26

Instrument :

MSVOA_V

ClientSampleId :

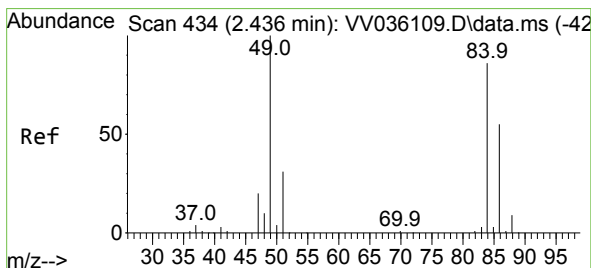
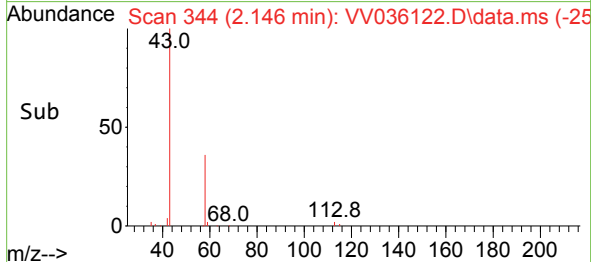
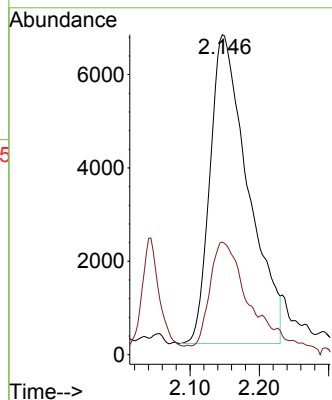


Tgt Ion: 43 Resp: 25149

Ion Ratio Lower Upper

43 100

58 28.3 0.0 24.2#



#16

Methylene chloride

Concen: 5.867 ug/L

RT: 2.439 min Scan# 435

Delta R.T. 0.003 min

Lab File: VV036122.D

Acq: 18 Jun 2024 16:26

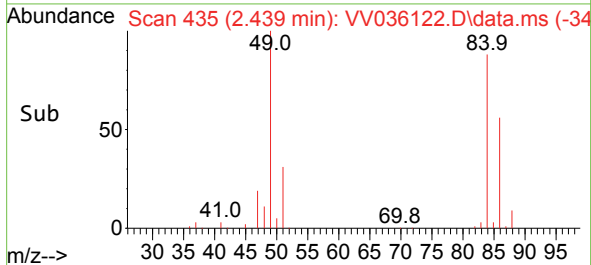
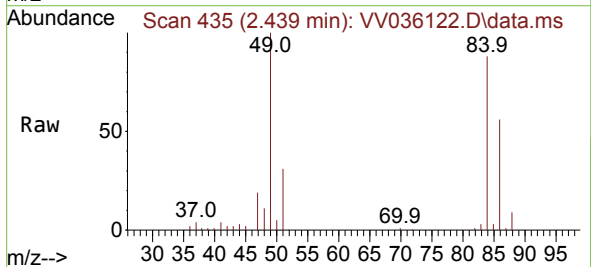
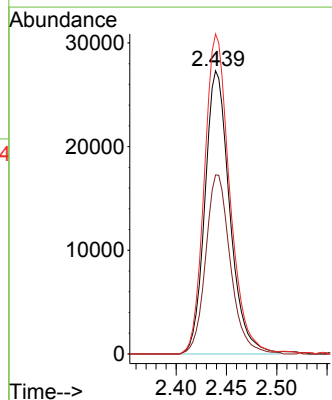
Tgt Ion: 84 Resp: 46980

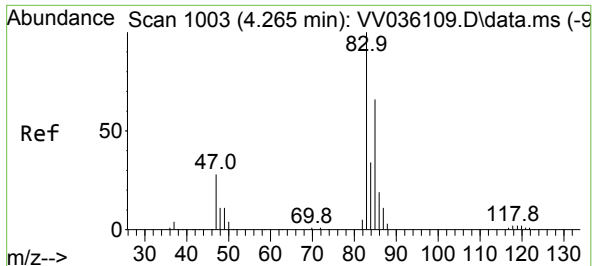
Ion Ratio Lower Upper

84 100

86 63.2 44.6 82.8

49 113.0 81.1 150.5

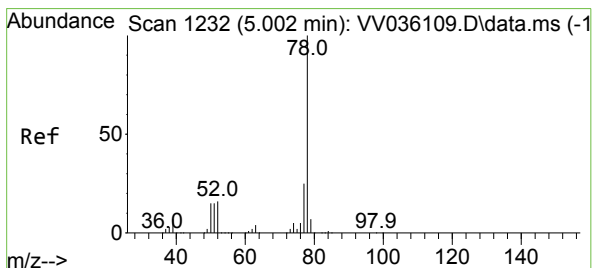
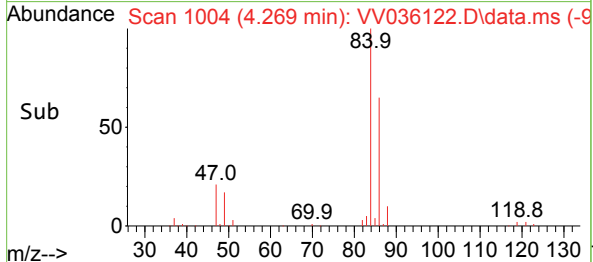
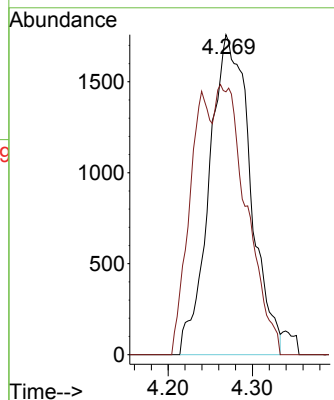
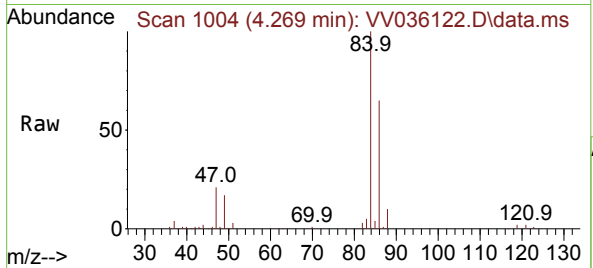




#25
Chloroform
Concen: 0.504 ug/L
RT: 4.269 min Scan# 1003
Delta R.T. 0.003 min
Lab File: VV036122.D
Acq: 18 Jun 2024 16:26

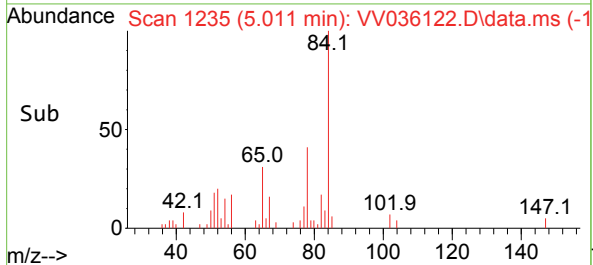
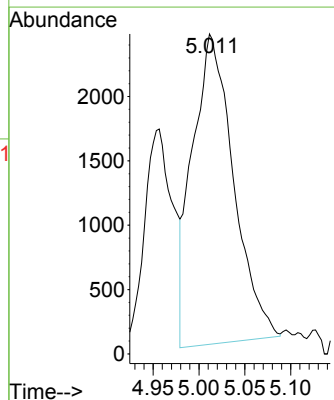
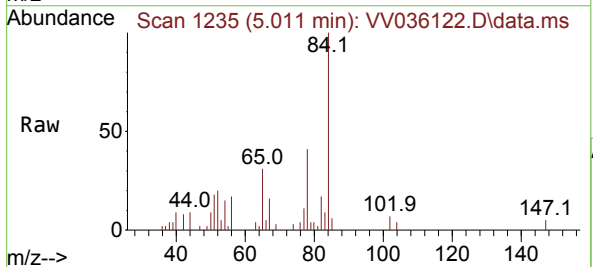
Instrument :
MSVOA_V
ClientSampleId :

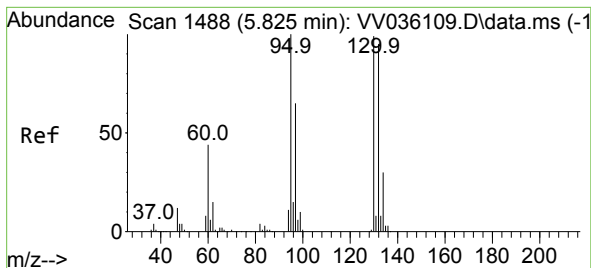
Tgt Ion: 83 Resp: 5945
Ion Ratio Lower Upper
83 100
85 82.1 45.2 84.0



#33
Benzene
Concen: 0.501 ug/L
RT: 5.011 min Scan# 1235
Delta R.T. 0.010 min
Lab File: VV036122.D
Acq: 18 Jun 2024 16:26

Tgt Ion: 78 Resp: 7473





#34

Trichloroethene

Concen: 738.172 ug/L

RT: 5.825 min Scan# 1488

Delta R.T. 0.000 min

Lab File: VV036122.D

Acq: 18 Jun 2024 16:26

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 95 Resp: 3373882

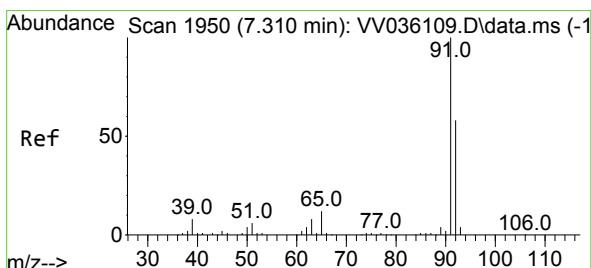
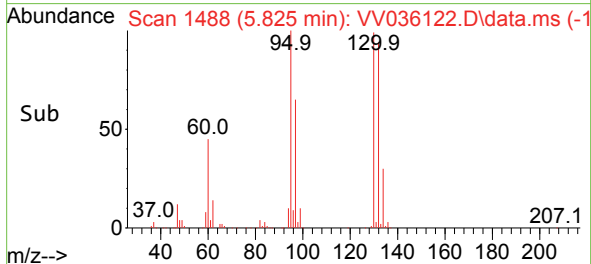
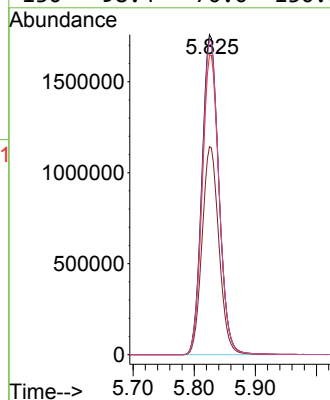
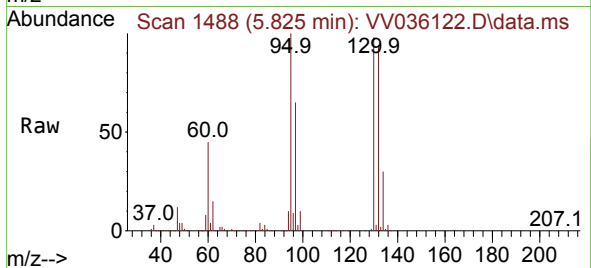
Ion Ratio Lower Upper

95 100

97 65.0 44.8 83.2

132 93.5 66.8 124.2

130 98.4 70.0 130.0



#42

Toluene

Concen: 9.960 ug/L

RT: 7.317 min Scan# 1952

Delta R.T. 0.006 min

Lab File: VV036122.D

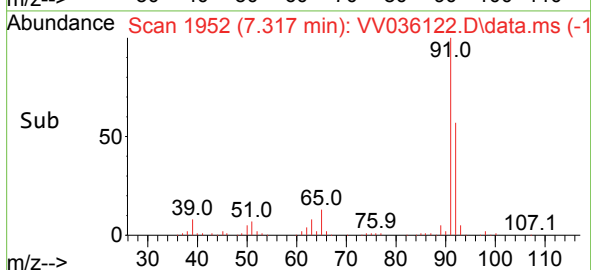
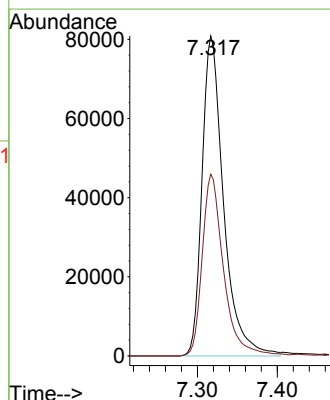
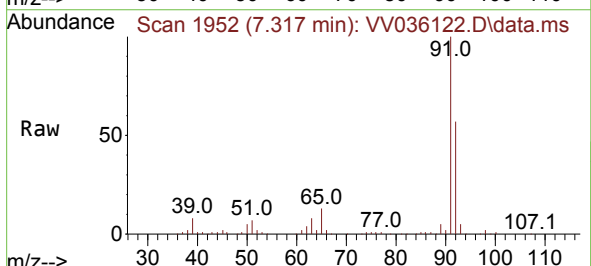
Acq: 18 Jun 2024 16:26

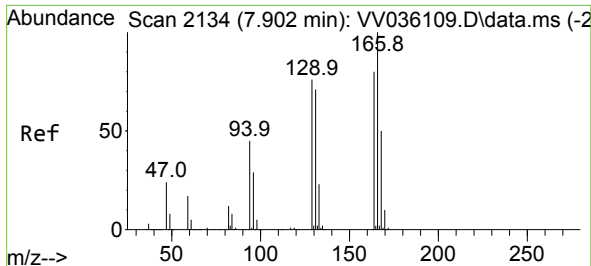
Tgt Ion: 91 Resp: 151767

Ion Ratio Lower Upper

91 100

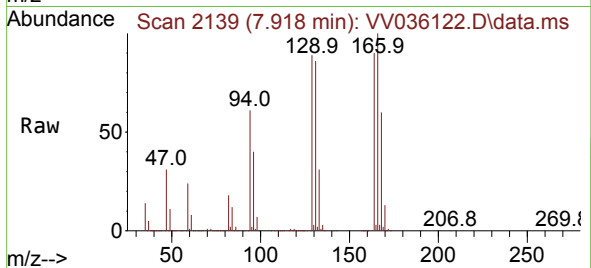
92 56.8 40.6 75.4





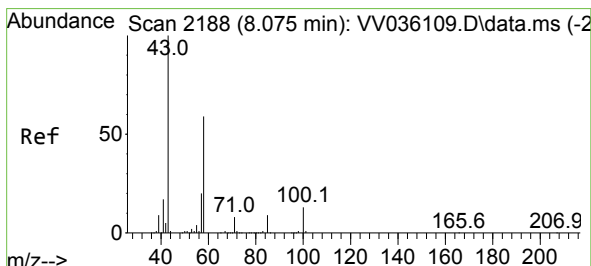
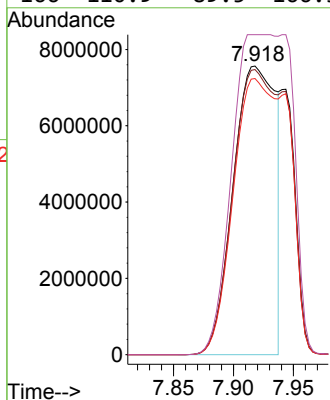
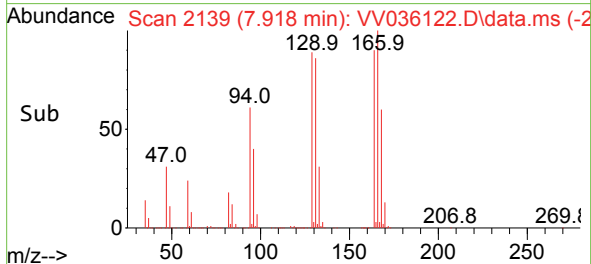
#46
Tetrachloroethene
Concen: 5544.981 ug/L
RT: 7.918 min Scan# 2134
Delta R.T. 0.016 min
Lab File: VV036122.D
Acq: 18 Jun 2024 16:26

Instrument :
MSVOA_V
ClientSampleId :

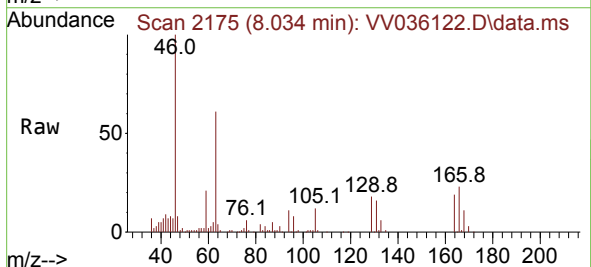


Tgt Ion:164 Resp:18535679

Ion	Ratio	Lower	Upper
164	100		
129	98.8	64.6	120.0
131	95.7	63.2	117.4
166	110.9	89.5	166.3

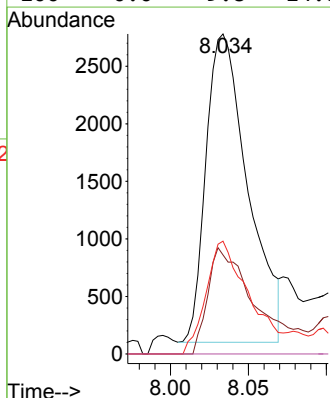
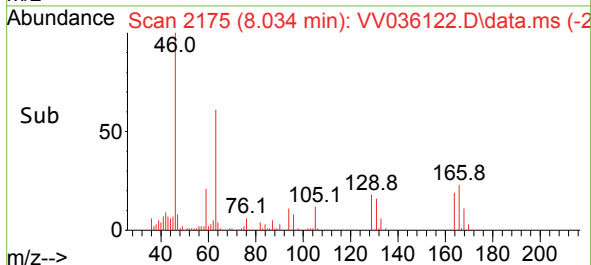


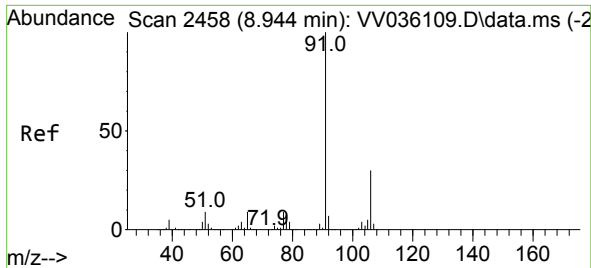
#48
2-Hexanone
Concen: 3.010 ug/L
RT: 8.034 min Scan# 2175
Delta R.T. -0.042 min
Lab File: VV036122.D
Acq: 18 Jun 2024 16:26



Tgt Ion: 43 Resp: 5007

Ion	Ratio	Lower	Upper
43	100		
58	38.0	45.4	68.0#
57	37.7	15.8	23.8#
100	0.0	9.8	14.8#

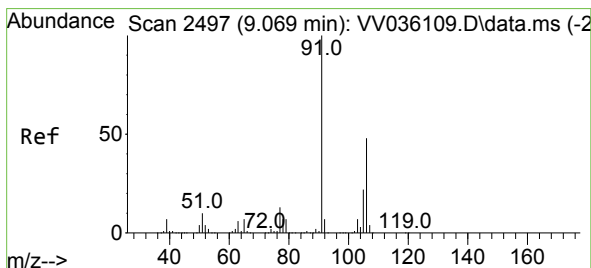
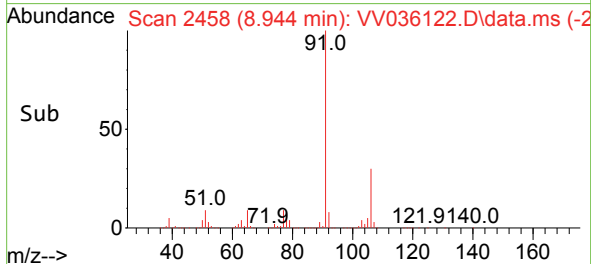
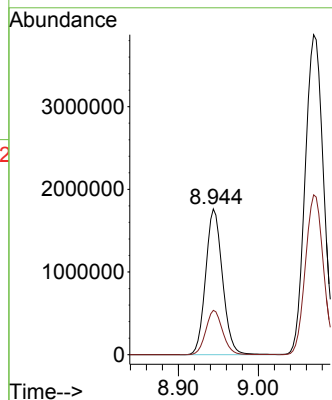
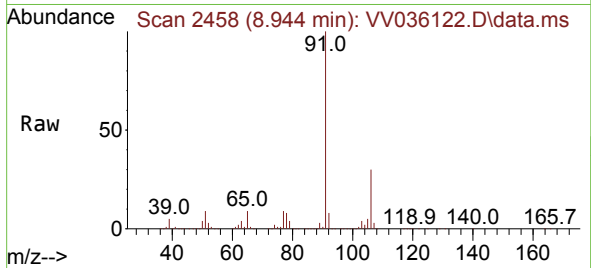




#52
Ethylbenzene
Concen: 158.834 ug/L
RT: 8.944 min Scan# 2458
Delta R.T. 0.000 min
Lab File: VV036122.D
Acq: 18 Jun 2024 16:26

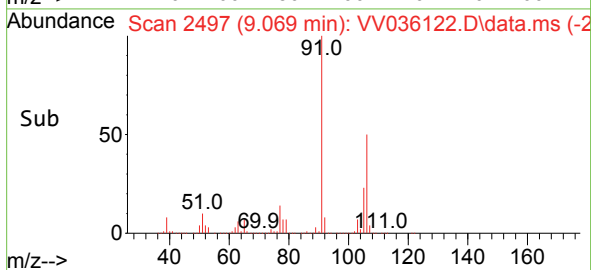
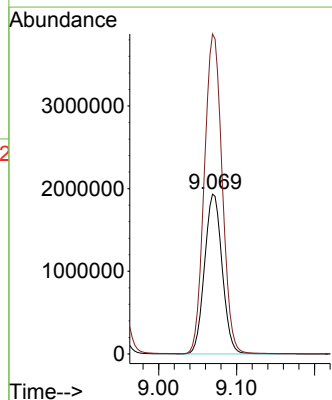
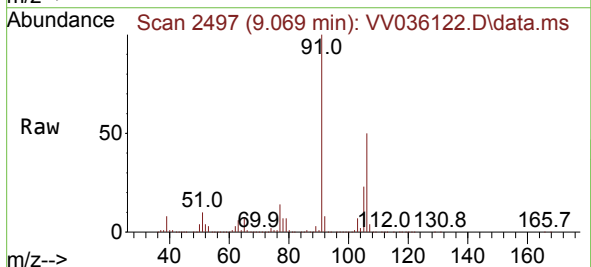
Instrument :
MSVOA_V
ClientSampleId :

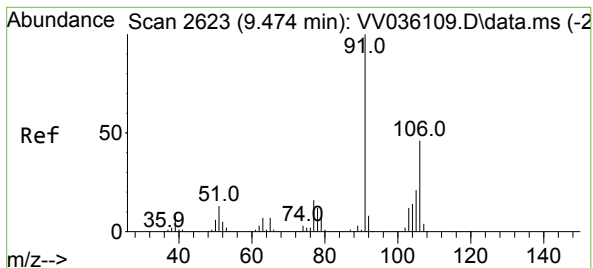
Tgt Ion: 91 Resp: 2589557
Ion Ratio Lower Upper
91 100
106 30.4 21.6 40.0



#53
m,p-Xylene
Concen: 495.489 ug/L
RT: 9.069 min Scan# 2497
Delta R.T. 0.000 min
Lab File: VV036122.D
Acq: 18 Jun 2024 16:26

Tgt Ion: 106 Resp: 3035365
Ion Ratio Lower Upper
106 100
91 200.3 143.1 265.9





#54

o-Xylene

Concen: 218.861 ug/L

RT: 9.474 min Scan# 2

Delta R.T. 0.000 min

Lab File: VV036122.D

Acq: 18 Jun 2024 16:26

Instrument :

MSVOA_V

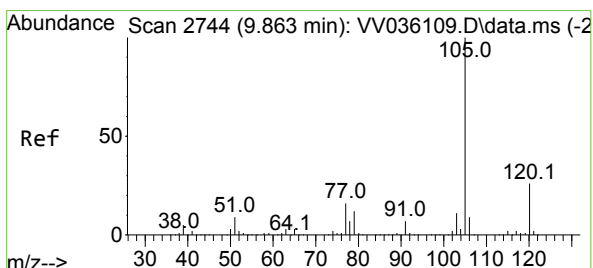
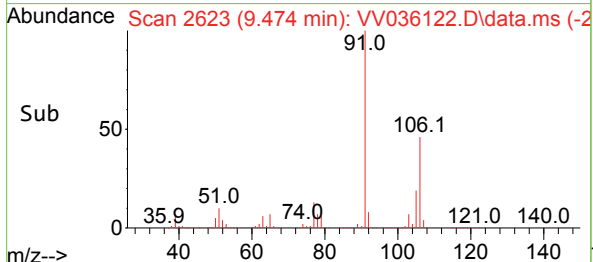
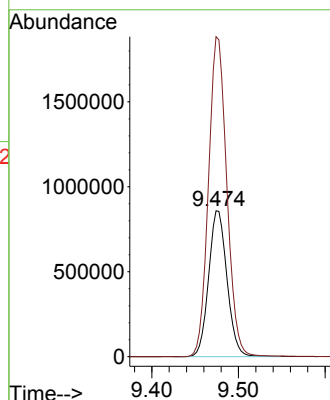
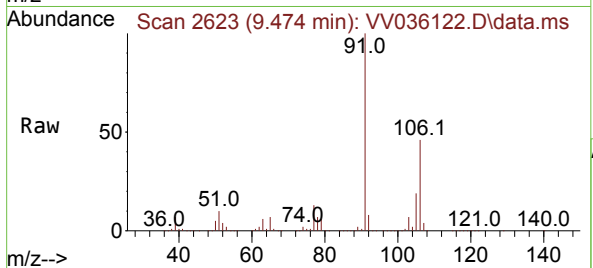
ClientSampleId :

Tgt Ion:106 Resp: 1264369

Ion Ratio Lower Upper

106 100

91 219.3 154.5 286.9



#60

Isopropylbenzene

Concen: 2.246 ug/L

RT: 9.870 min Scan# 2746

Delta R.T. 0.006 min

Lab File: VV036122.D

Acq: 18 Jun 2024 16:26

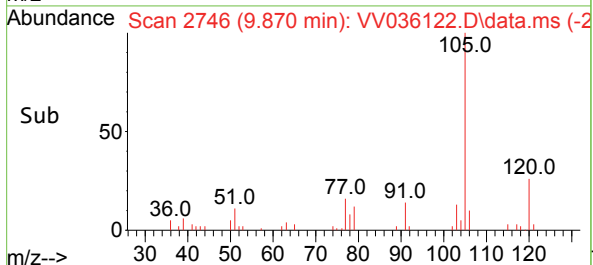
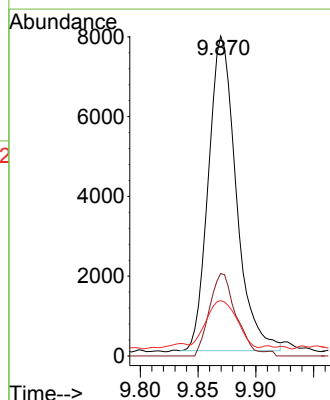
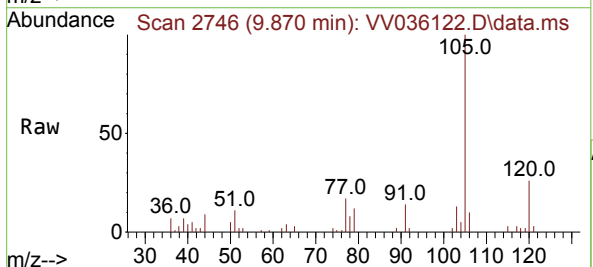
Tgt Ion:105 Resp: 13190

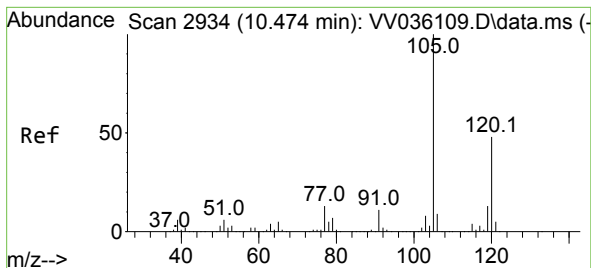
Ion Ratio Lower Upper

105 100

120 25.0 21.0 31.6

77 16.3 12.6 18.8





#62

1,3,5-Trimethylbenzene

Concen: 5.396 ug/L

RT: 10.477 min Scan# 2934

Delta R.T. 0.003 min

Lab File: VV036122.D

Acq: 18 Jun 2024 16:26

Instrument :

MSVOA_V

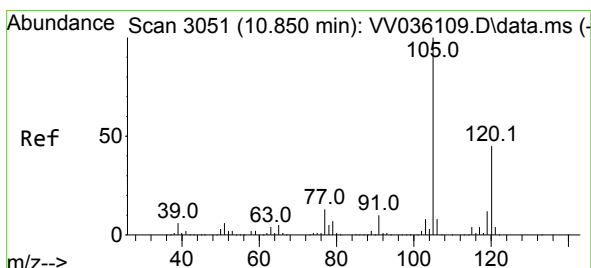
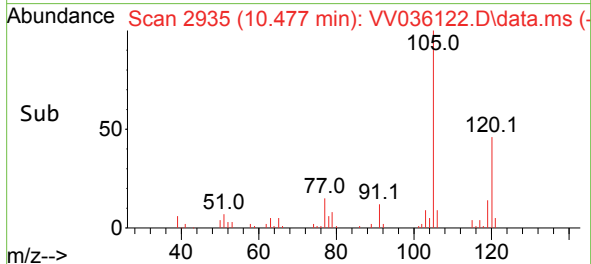
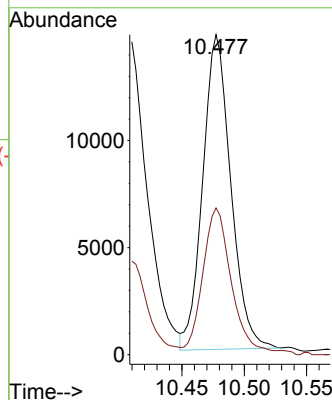
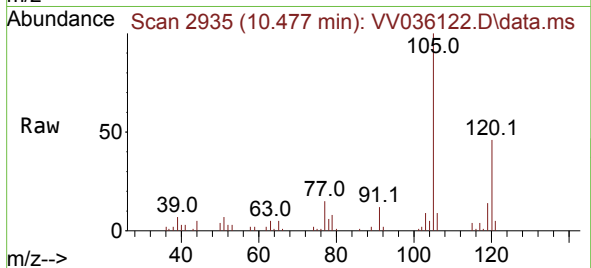
ClientSampleId :

Tgt Ion:105 Resp: 22982

Ion Ratio Lower Upper

105 100

120 45.0 38.6 58.0



#63

1,2,4-Trimethylbenzene

Concen: 24.645 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.000 min

Lab File: VV036122.D

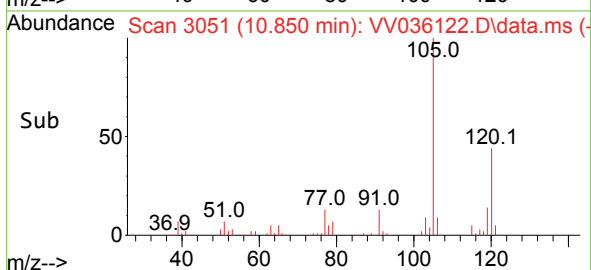
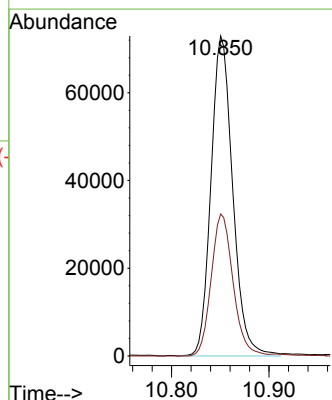
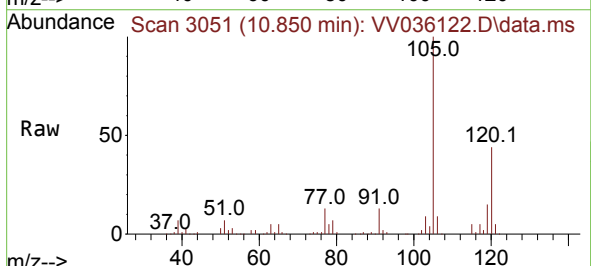
Acq: 18 Jun 2024 16:26

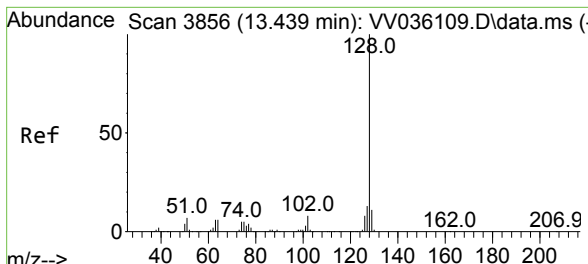
Tgt Ion:105 Resp: 113095

Ion Ratio Lower Upper

105 100

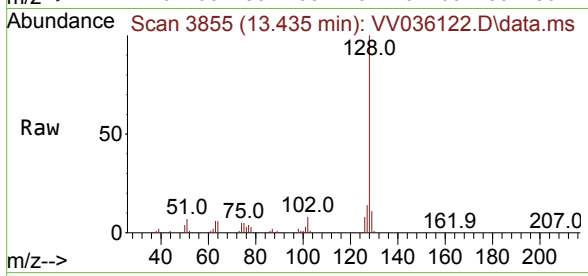
120 44.5 36.2 54.4





#71
 Naphthalene
 Concen: 123.751 ug/L
 RT: 13.435 min Scan# 3855
 Delta R.T. -0.003 min
 Lab File: VV036122.D
 Acq: 18 Jun 2024 16:26

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion:128 Resp: 366897

Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.6	16.0
129	11.1	8.8	13.2

