

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061824\
 Data File : VW036126.D
 Acq On : 18 Jun 2024 17:59
 Operator : SY/MD
 Sample : P2873-16
 Misc : 2.88g/10.0mL/MSVOA_V/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 19 03:32:57 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)

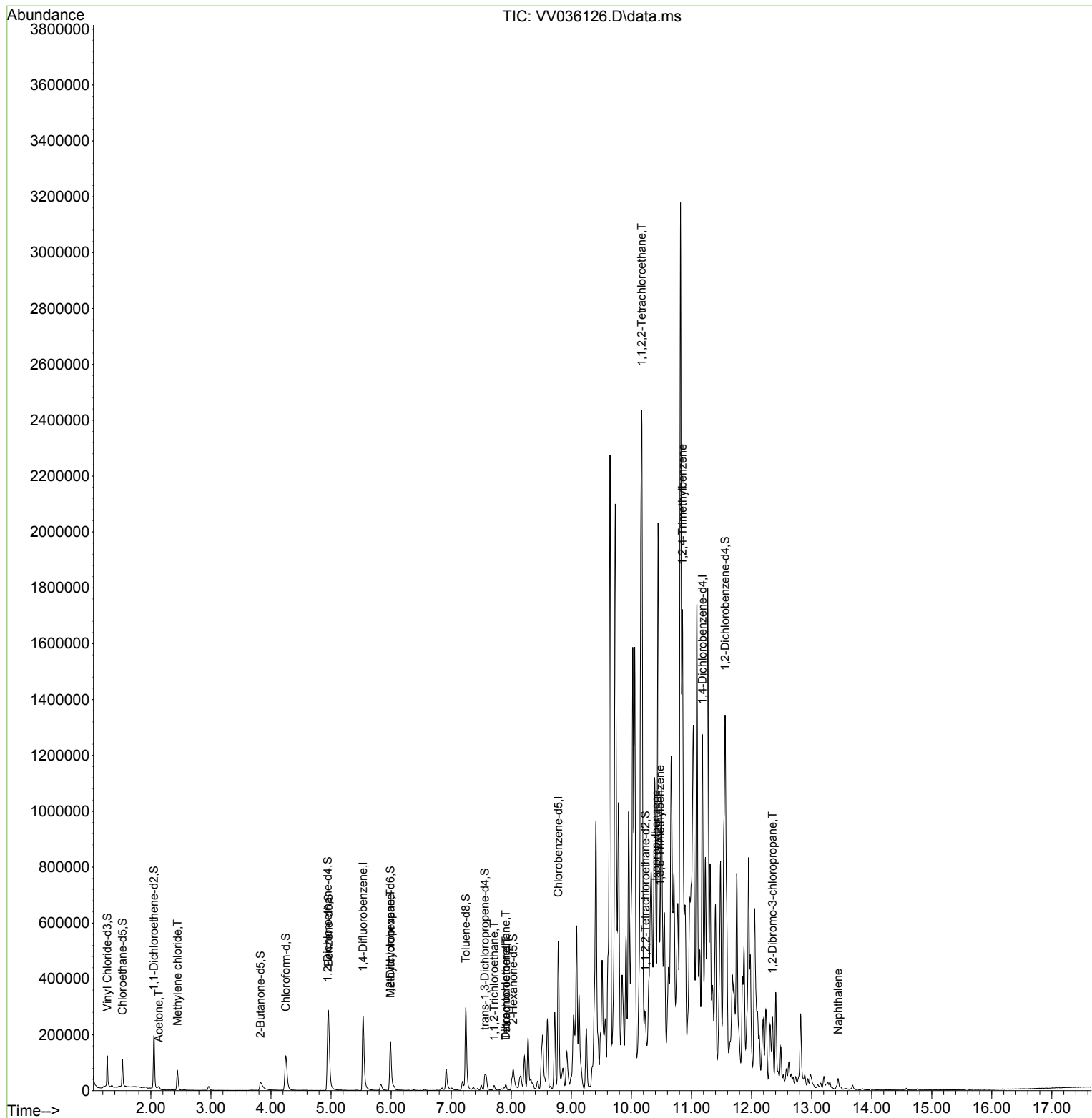
Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	238482	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	294425	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	159146	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	71550	16.319	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	65.280%
7) Chloroethane-d5	1.529	69	62844	17.976	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	71.920%
11) 1,1-Dichloroethene-d2	2.053	65	33167	16.992	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	67.960%
21) 2-Butanone-d5	3.825	46	41446	41.200	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.400%
24) Chloroform-d	4.246	84	138122	18.217	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	72.880%
26) 1,2-Dichloroethane-d4	4.944	65	84858	21.347	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	85.400%
32) Benzene-d6	4.956	84	249564	14.260	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	57.040%
36) 1,2-Dichloropropane-d6	5.989	67	89872	16.307	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	65.240%#
41) Toluene-d8	7.243	98	205411	13.302	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	53.200%
43) trans-1,3-Dichloroprop...	7.561	79	34568	15.297	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	61.200%
47) 2-Hexanone-d5	8.034	63	24428	32.714	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	65.420%
56) 1,1,2,2-Tetrachloroeth...	10.233	84	3674	0.892	ug/L	0.08
Spiked Amount	25.000	Range	45 - 120	Recovery	=	3.560%#
66) 1,2-Dichlorobenzene-d4	11.561	152	106699	18.283	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	73.120%#
Target Compounds						Qvalue
13) Acetone	2.133	43	8034	5.127	ug/L #	42
16) Methylene chloride	2.442	84	29478	5.463	ug/L	100
35) Methylcyclohexane	5.989	83	20670	2.533	ug/L #	20
45) 1,1,2-Trichloroethane	7.715	97	5462	1.306	ug/L #	20
46) Tetrachloroethene	7.911	164	2068	0.479	ug/L	95
49) Dibromochloromethane	7.908	129	2436	0.532	ug/L #	11
57) 1,1,2,2-Tetrachloroethane	10.172	83	180033	48.058	ug/L #	38
60) Isopropylbenzene	10.410	105	136998	6.710	ug/L	95
62) 1,3,5-Trimethylbenzene	10.477	105	10496	0.709	ug/L	95
63) 1,2,4-Trimethylbenzene	10.850	105	593139	37.183	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.352	75	1364	1.621	ug/L #	19
71) Naphthalene	13.442	128	30697	2.979	ug/L	98

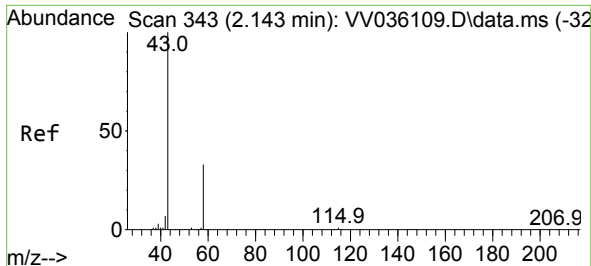
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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





#13

Acetone

Concen: 5.127 ug/L

RT: 2.133 min Scan# 34

Delta R.T. -0.010 min

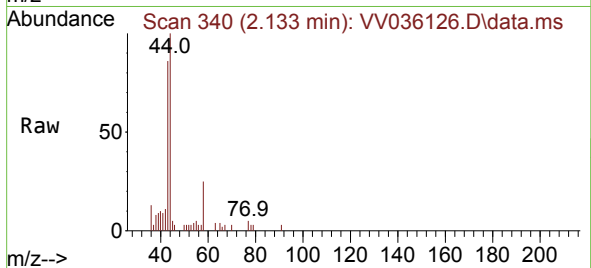
Lab File: VV036126.D

Acq: 18 Jun 2024 17:59

Instrument :

MSVOA_V

ClientSampleId :

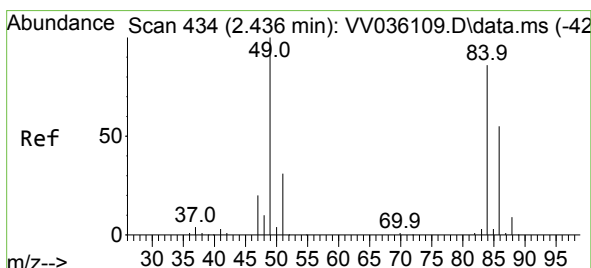
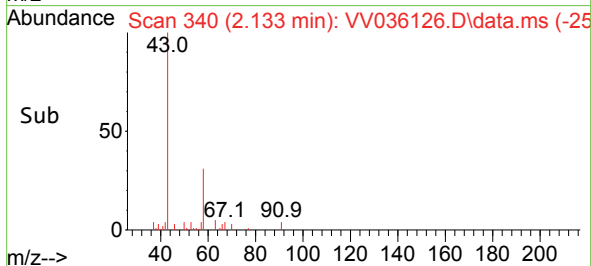
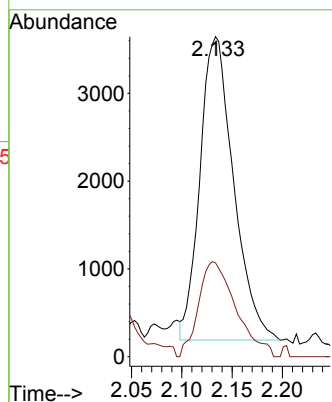


Tgt Ion: 43 Resp: 8034

Ion Ratio Lower Upper

43 100

58 34.8 0.0 24.2#



#16

Methylene chloride

Concen: 5.463 ug/L

RT: 2.442 min Scan# 436

Delta R.T. 0.006 min

Lab File: VV036126.D

Acq: 18 Jun 2024 17:59

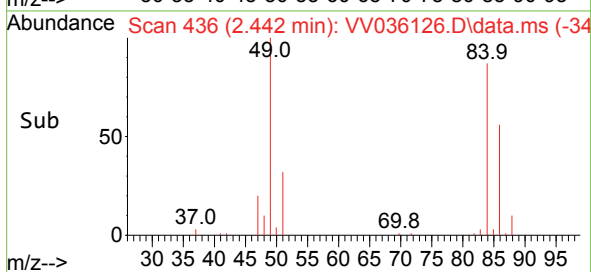
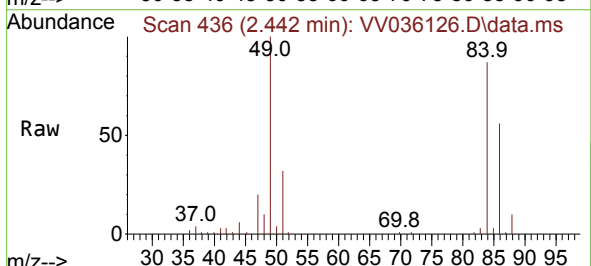
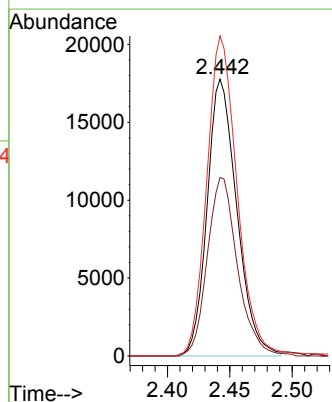
Tgt Ion: 84 Resp: 29478

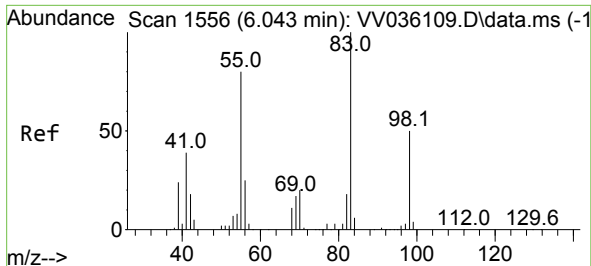
Ion Ratio Lower Upper

84 100

86 64.4 44.6 82.8

49 115.6 81.1 150.5

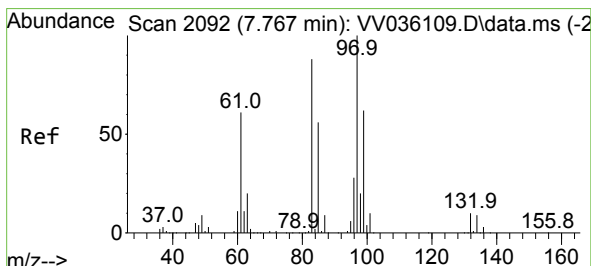
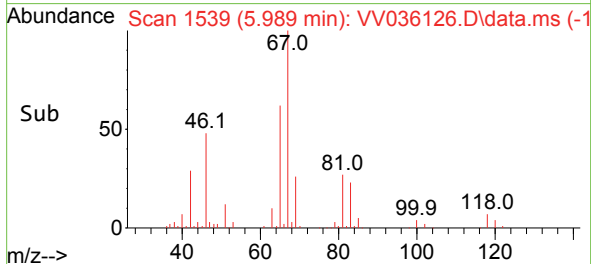
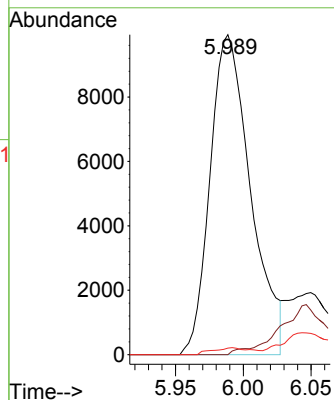
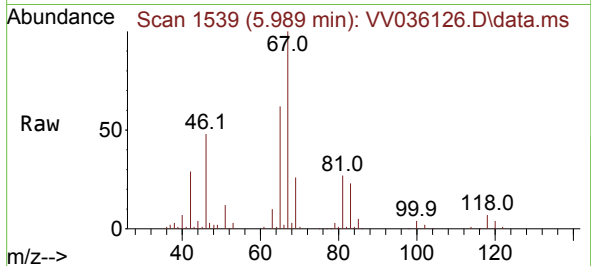




#35
Methylcyclohexane
Concen: 2.533 ug/L
RT: 5.989 min Scan# 11
Delta R.T. -0.055 min
Lab File: VV036126.D
Acq: 18 Jun 2024 17:59

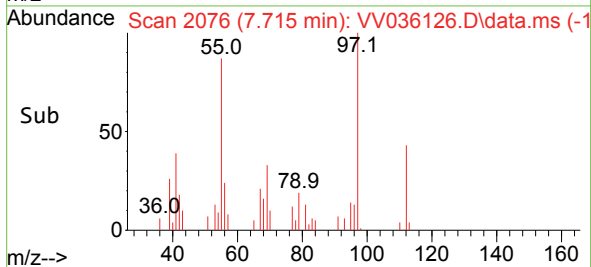
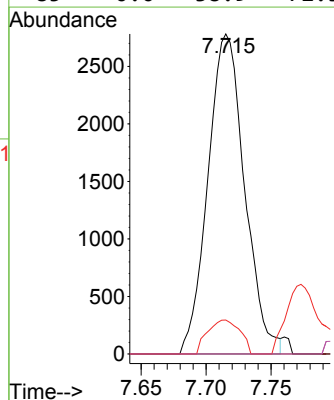
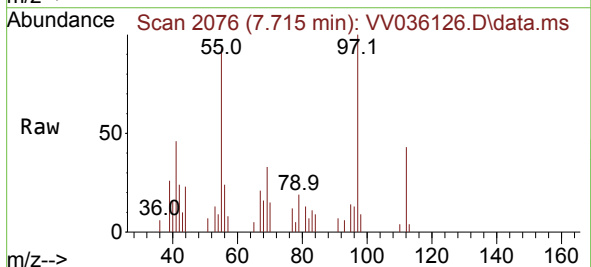
Instrument :
MSVOA_V
ClientSampleId :

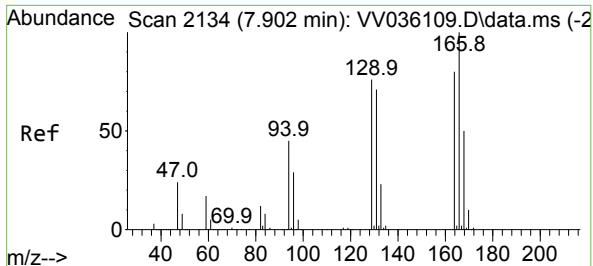
Tgt Ion: 83 Resp: 20670
Ion Ratio Lower Upper
83 100
55 0.8 60.7 91.1#
98 1.6 38.7 58.1#



#45
1,1,2-Trichloroethane
Concen: 1.306 ug/L
RT: 7.715 min Scan# 2076
Delta R.T. -0.052 min
Lab File: VV036126.D
Acq: 18 Jun 2024 17:59

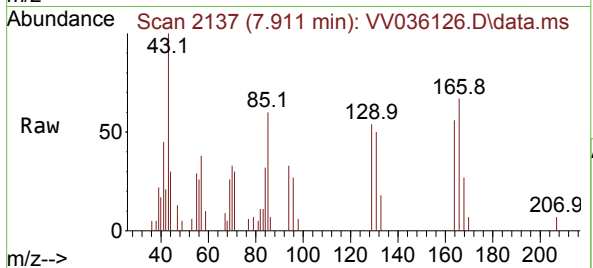
Tgt Ion: 97 Resp: 5462
Ion Ratio Lower Upper
97 100
99 0.0 43.3 80.5#
83 10.6 60.1 111.7#
85 0.0 38.9 72.3#





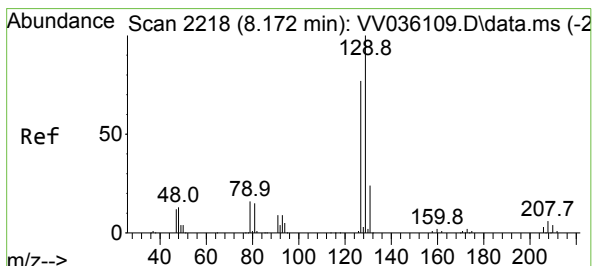
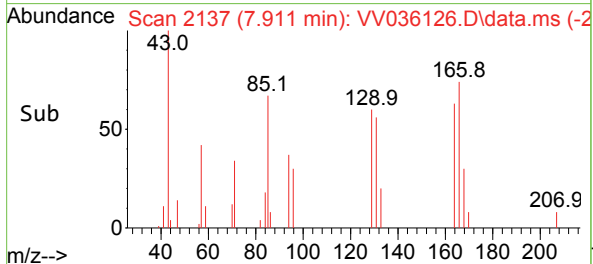
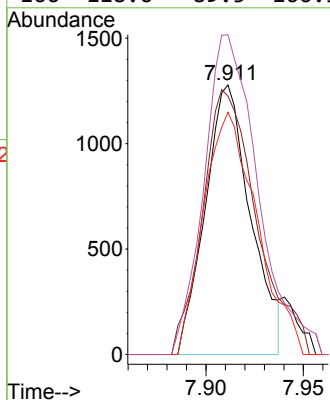
#46
Tetrachloroethene
Concen: 0.479 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. 0.010 min
Lab File: VV036126.D
Acq: 18 Jun 2024 17:59

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion:164 Resp: 2068

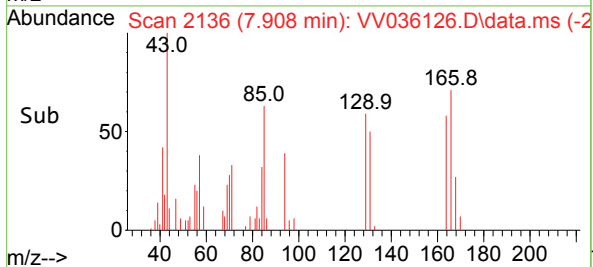
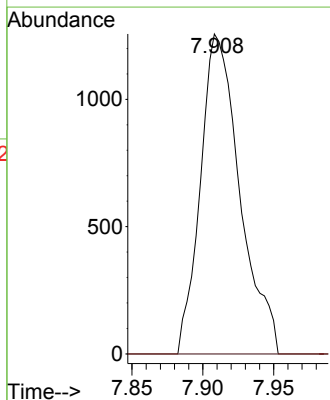
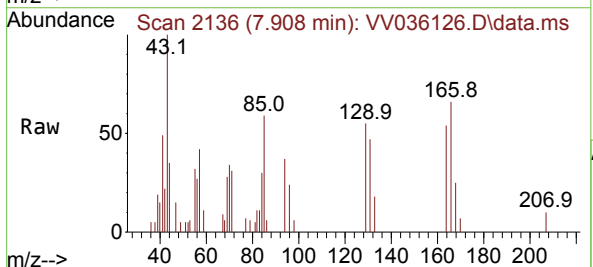
Ion	Ratio	Lower	Upper
164	100		
129	95.9	64.6	120.0
131	89.8	63.2	117.4
166	118.6	89.5	166.3

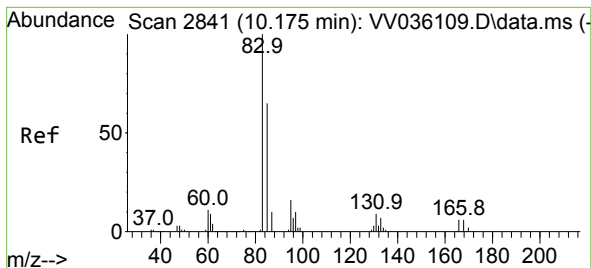


#49
Dibromochloromethane
Concen: 0.532 ug/L
RT: 7.908 min Scan# 2136
Delta R.T. -0.264 min
Lab File: VV036126.D
Acq: 18 Jun 2024 17:59

Tgt Ion:129 Resp: 2436

Ion	Ratio	Lower	Upper
129	100		
127	0.0	53.9	100.1#





#57

1,1,2,2-Tetrachloroethane

Concen: 48.058 ug/L

RT: 10.172 min Scan# 21

Delta R.T. -0.003 min

Lab File: VV036126.D

Acq: 18 Jun 2024 17:59

Instrument :

MSVOA_V

ClientSampleId :

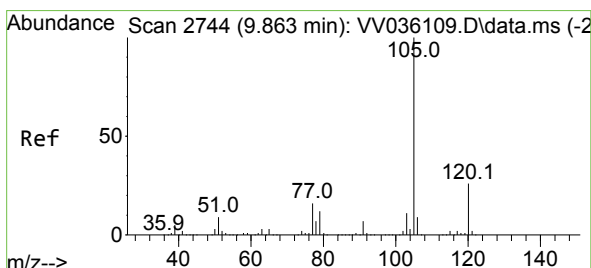
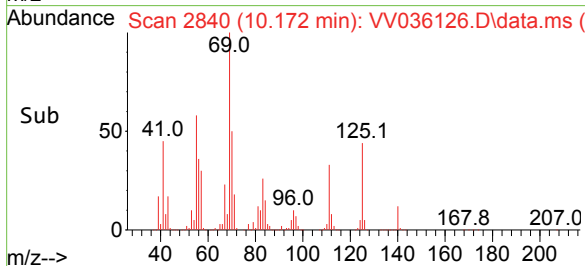
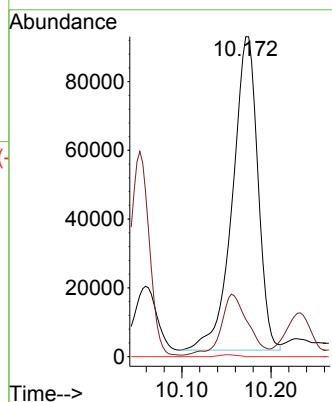
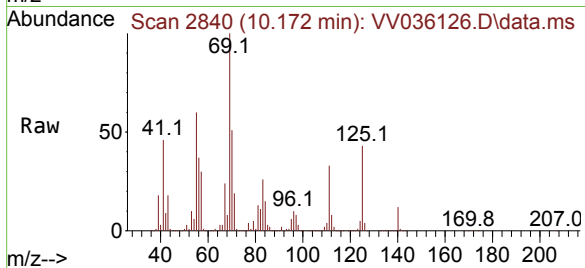
Tgt Ion: 83 Resp: 180033

Ion Ratio Lower Upper

83 100

85 11.7 45.1 83.7#

131 0.0 7.6 11.4#



#60

Isopropylbenzene

Concen: 6.710 ug/L

RT: 10.410 min Scan# 2914

Delta R.T. 0.546 min

Lab File: VV036126.D

Acq: 18 Jun 2024 17:59

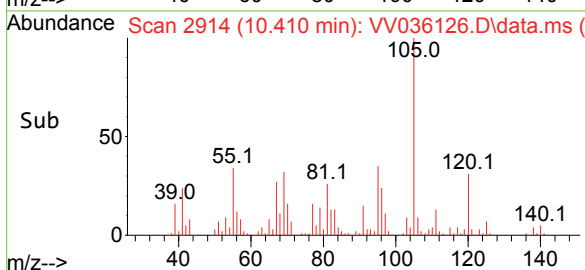
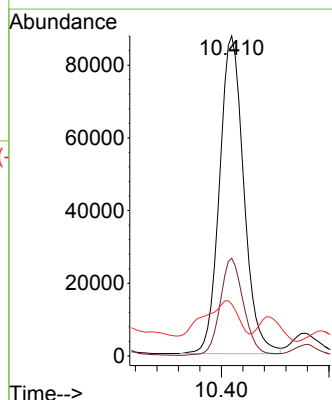
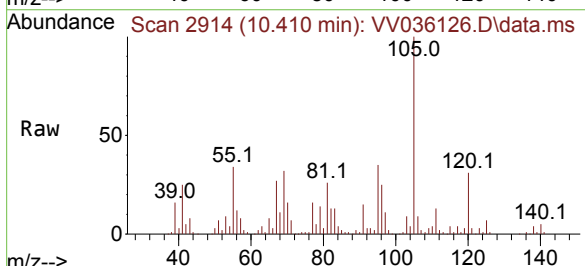
Tgt Ion: 105 Resp: 136998

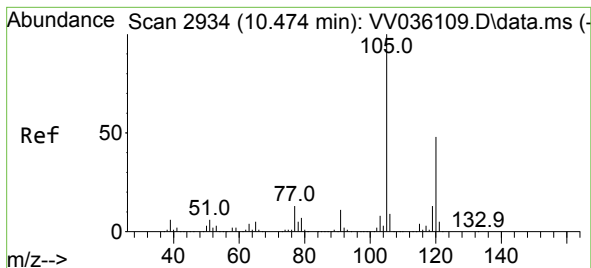
Ion Ratio Lower Upper

105 100

120 29.7 21.0 31.6

77 14.7 12.6 18.8





#62

1,3,5-Trimethylbenzene

Concen: 0.709 ug/L

RT: 10.477 min Scan# 2934

Delta R.T. 0.003 min

Lab File: VV036126.D

Acq: 18 Jun 2024 17:59

Instrument :

MSVOA_V

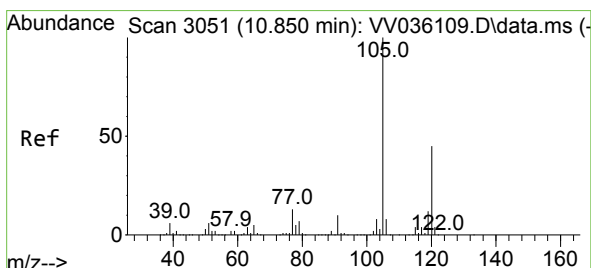
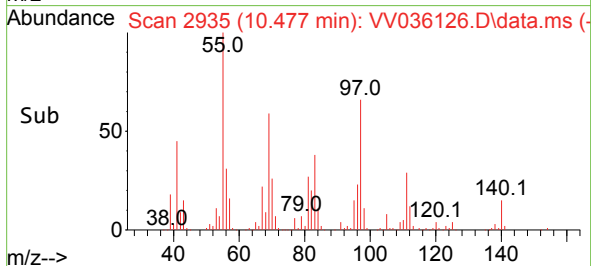
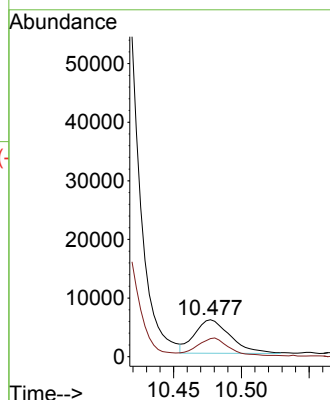
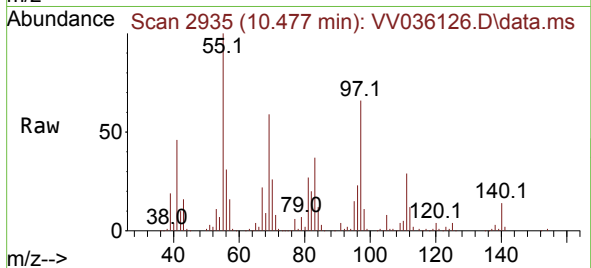
ClientSampleId :

Tgt Ion:105 Resp: 10496

Ion Ratio Lower Upper

105 100

120 45.1 38.6 58.0



#63

1,2,4-Trimethylbenzene

Concen: 37.183 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. -0.000 min

Lab File: VV036126.D

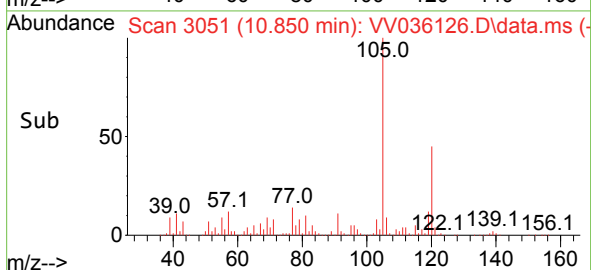
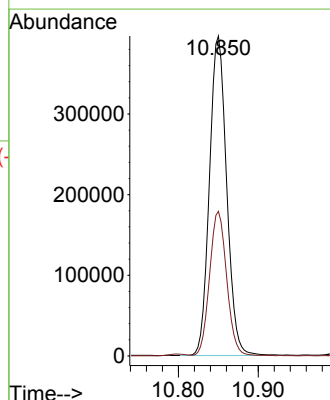
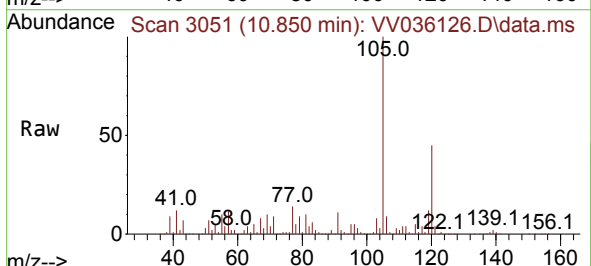
Acq: 18 Jun 2024 17:59

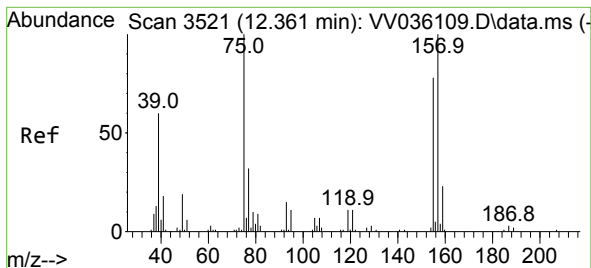
Tgt Ion:105 Resp: 593139

Ion Ratio Lower Upper

105 100

120 45.0 36.2 54.4

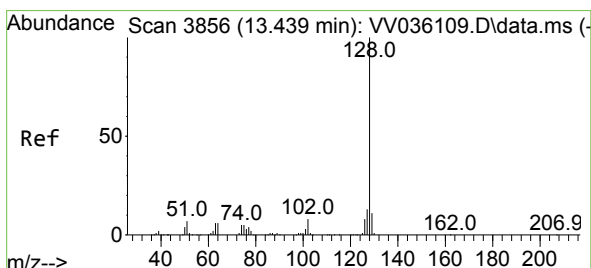
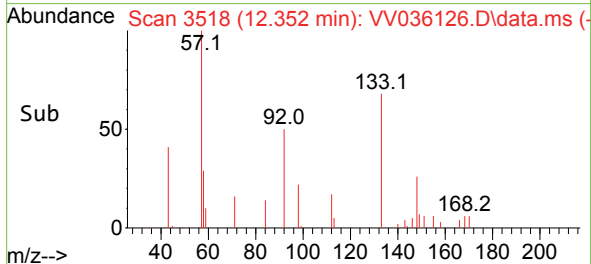
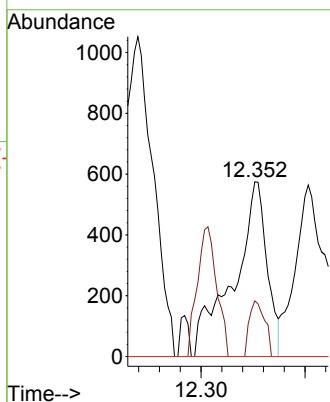
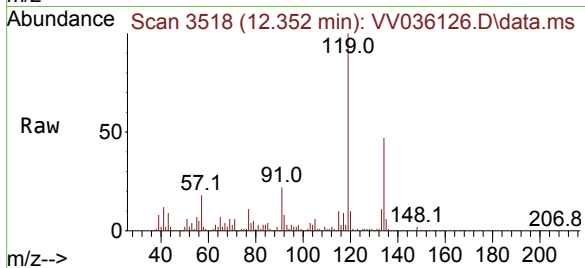




#68
1,2-Dibromo-3-chloropropane
Concen: 1.621 ug/L
RT: 12.352 min Scan# 31
Delta R.T. -0.010 min
Lab File: VV036126.D
Acq: 18 Jun 2024 17:59

Instrument :
MSVOA_V
ClientSampleId :

Tgt Ion: 75 Resp: 1364
Ion Ratio Lower Upper
75 100
155 31.8 63.3 94.9#
157 0.0 82.4 123.6#



#71
Naphthalene
Concen: 2.979 ug/L
RT: 13.442 min Scan# 3857
Delta R.T. 0.003 min
Lab File: VV036126.D
Acq: 18 Jun 2024 17:59

Tgt Ion: 128 Resp: 30697
Ion Ratio Lower Upper
128 100
127 14.0 10.6 16.0
129 12.1 8.8 13.2

