

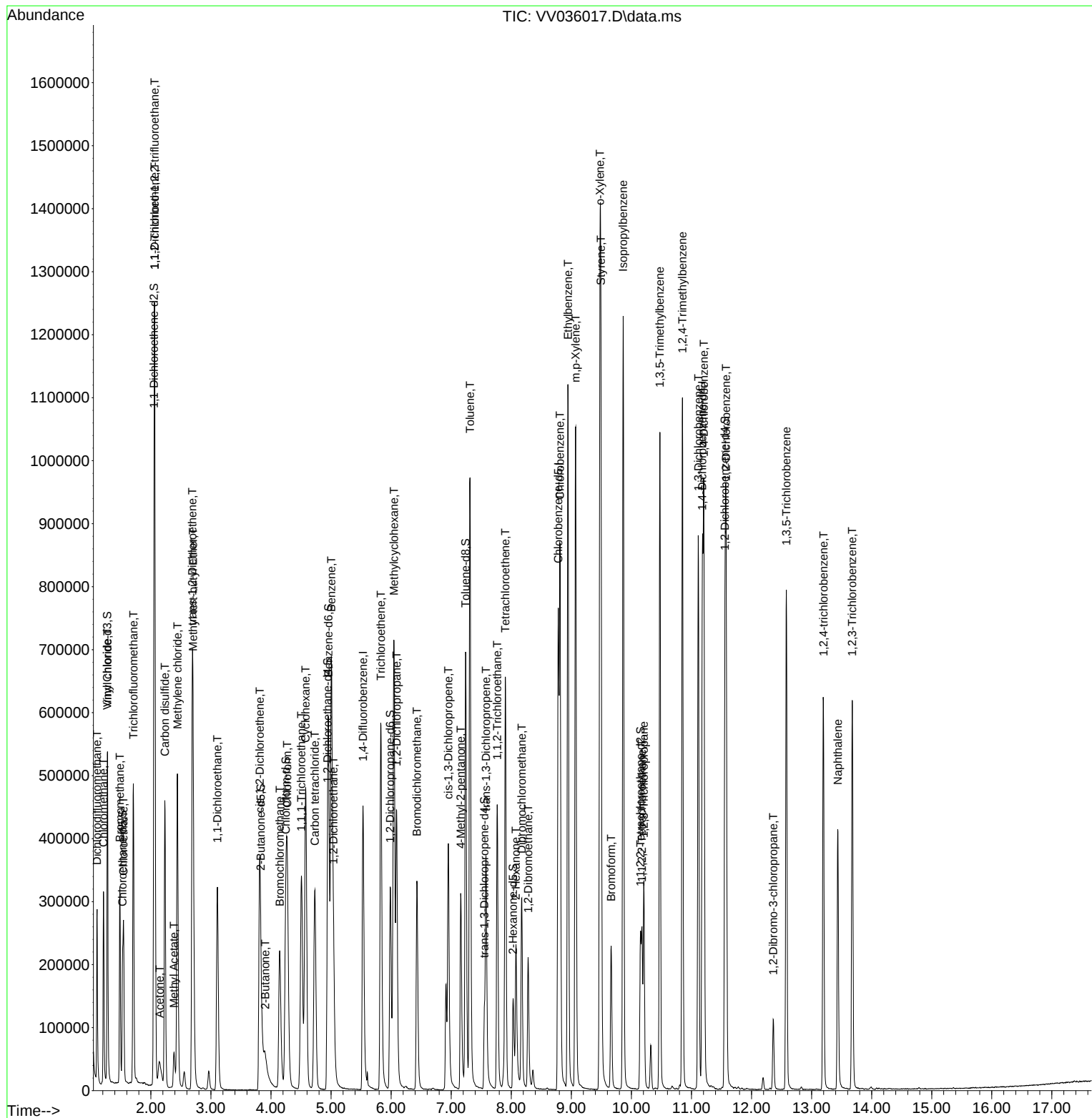
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV060724\
 Data File : VV036017.D
 Acq On : 07 Jun 2024 17:55
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025300

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/11/2024
 Supervised By :Semsettin Yesilyurt 06/11/2024

Quant Time: Jun 08 00:34:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 08 00:30:25 2024
 Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW060724\
 Data File : VW036017.D
 Acq On : 07 Jun 2024 17:55
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025300

Quant Time: Jun 08 00:34:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 08 00:30:25 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/11/2024
 Supervised By :Semsettin Yesilyurt 06/11/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	399721	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	401767	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	205249	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	147397	20.057	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.240%
7) Chloroethane-d5	1.529	69	125631	21.440	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.760%
11) 1,1-Dichloroethene-d2	2.053	65	66859	20.437	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	81.760%
21) 2-Butanone-d5	3.828	46	80957	48.014	ug/L	-0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.020%
24) Chloroform-d	4.246	84	276758	21.778	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	87.120%
26) 1,2-Dichloroethane-d4	4.941	65	138985	20.860	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	83.440%
32) Benzene-d6	4.957	84	533550	22.341	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.360%
36) 1,2-Dichloropropane-d6	5.986	67	163856	21.787	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.160%
41) Toluene-d8	7.239	98	478121	22.690	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.760%
43) trans-1,3-Dichloroprop...	7.555	79	65302	21.177	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	84.720%
47) 2-Hexanone-d5	8.030	63	52572	51.594	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.180%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	118948	21.165	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	84.680%
66) 1,2-Dichlorobenzene-d4	11.558	152	161079	21.401	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	85.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	161463	22.403	ug/L	100
3) Chloromethane	1.211	50	201900	24.410	ug/L	100
5) Vinyl chloride	1.278	62	218598	25.104	ug/L	99
6) Bromomethane	1.484	94	131524	24.347	ug/L	99
8) Chloroethane	1.545	64	136384	25.198	ug/L	98
9) Trichlorofluoromethane	1.709	101	276984	25.614	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	175790	25.614	ug/L	100
12) 1,1-Dichloroethene	2.063	96	160153	25.020	ug/L	98
13) Acetone	2.146	43	104308m	39.714	ug/L	
14) Carbon disulfide	2.233	76	530413	23.862	ug/L	100
15) Methyl Acetate	2.384	43	90153	27.615	ug/L	96
16) Methylene chloride	2.442	84	213210	23.572	ug/L	100
17) trans-1,2-Dichloroethene	2.690	96	171316	25.195	ug/L	98
18) Methyl tert-butyl Ether	2.703	73	387389	25.378	ug/L	99
19) 1,1-Dichloroethane	3.108	63	331413	25.594	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	174141	25.488	ug/L	99
22) 2-Butanone	3.905	43	109812m	49.274	ug/L	
23) Bromochloromethane	4.146	128	84922	24.779	ug/L	98
25) Chloroform	4.272	83	334617	25.121	ug/L	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW060724\
 Data File : VW036017.D
 Acq On : 07 Jun 2024 17:55
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025300

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/11/2024
 Supervised By :Semsettin Yesilyurt 06/11/2024

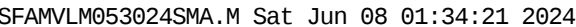
Quant Time: Jun 08 00:34:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 08 00:30:25 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	212688	25.576	ug/L	100
29) Cyclohexane	4.577	56	256727	26.838	ug/L	100
30) 1,1,1-Trichloroethane	4.506	97	283410	25.803	ug/L	99
31) Carbon tetrachloride	4.732	117	249595	25.903	ug/L	100
33) Benzene	5.005	78	698619	26.587	ug/L	100
34) Trichloroethene	5.831	95	211318	26.239	ug/L	99
35) Methylcyclohexane	6.047	83	295559	26.538	ug/L	99
37) 1,2-Dichloropropane	6.092	63	181083	26.245	ug/L	100
38) Bromodichloromethane	6.429	83	230270	25.215	ug/L	100
39) cis-1,3-Dichloropropene	6.953	75	258247	25.025	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	215646	57.526	ug/L	99
42) Toluene	7.313	91	734121	27.341	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	227275	25.497	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	141931	24.861	ug/L	97
46) Tetrachloroethene	7.902	164	147232	24.997	ug/L	99
48) 2-Hexanone	8.079	43	151830	51.808	ug/L	98
49) Dibromochloromethane	8.175	129	157028	25.132	ug/L	99
50) 1,2-Dibromoethane	8.281	107	139598	25.484	ug/L	99
51) Chlorobenzene	8.812	112	459377	25.110	ug/L	100
52) Ethylbenzene	8.944	91	775043	26.980	ug/L	99
53) m,p-Xylene	9.072	106	290044	26.871	ug/L	98
54) o-Xylene	9.477	106	271793	26.701	ug/L	98
55) Styrene	9.493	104	493712	27.504	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.175	83	124053	24.267	ug/L	99
59) Bromoform	9.664	173	101689	26.271	ug/L	100
60) Isopropylbenzene	9.863	105	758560	28.807	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	135430	27.899	ug/L	97
62) 1,3,5-Trimethylbenzene	10.474	105	530747	27.796	ug/L	98
63) 1,2,4-Trimethylbenzene	10.850	105	571976	27.802	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	350599	25.353	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	359961	25.219	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	328111	25.214	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.361	75	29464	27.143	ug/L	97
69) 1,3,5-Trichlorobenzene	12.580	180	244374	23.625	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	193822	23.798	ug/L	99
71) Naphthalene	13.435	128	330390	24.857	ug/L	99
72) 1,2,3-Trichlorobenzene	13.677	180	184098	24.770	ug/L	99

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

Manual Integrations APPROVED

Quant Time: Jun 08 00:34:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jun 08 00:30:25 2024
Response via : Initial Calibration



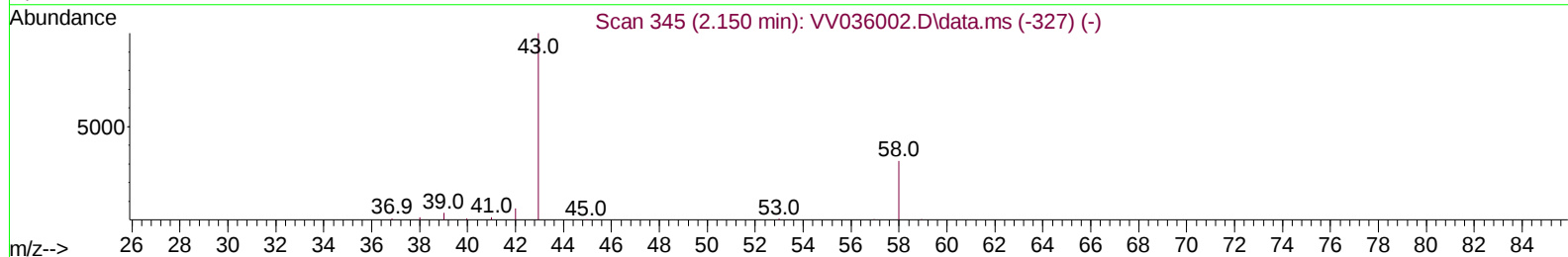
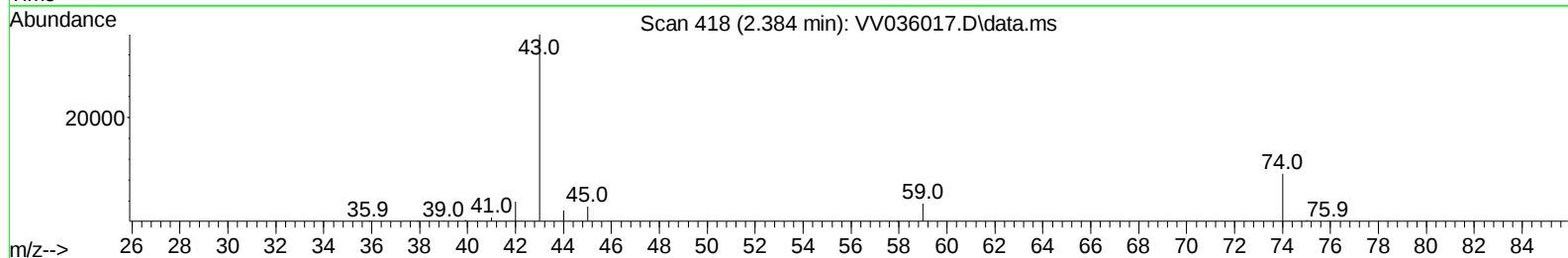
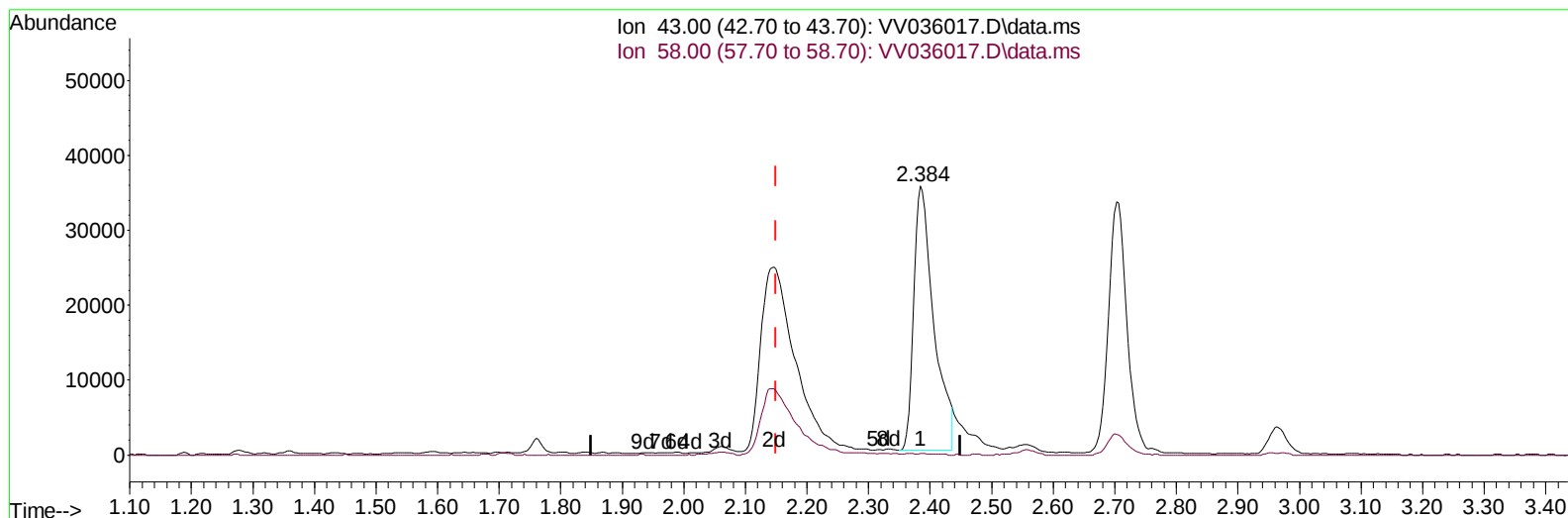
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV060724\
Data File : VV036017.D
Acq On : 07 Jun 2024 17:55
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00g/10.0mL/MSVOA_V/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD025300

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 06/11/2024
Supervised By :Semsettin Yesilyurt 06/11/2024

Quant Time: Jun 08 00:34:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jun 08 00:30:25 2024
Response via : Initial Calibration



TIC: VV036017.D\data.ms

(13) Acetone (T)

2.384min (+ 0.235) 30.41 ug/L

response 79881

Ion	Exp%	Act%
43.00	100.00	100.00
58.00	12.10	0.07
0.00	0.00	0.00
0.00	0.00	0.00

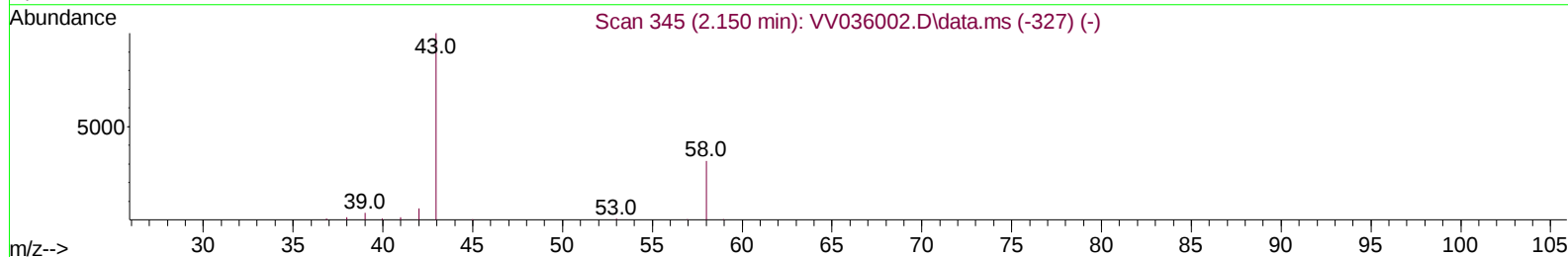
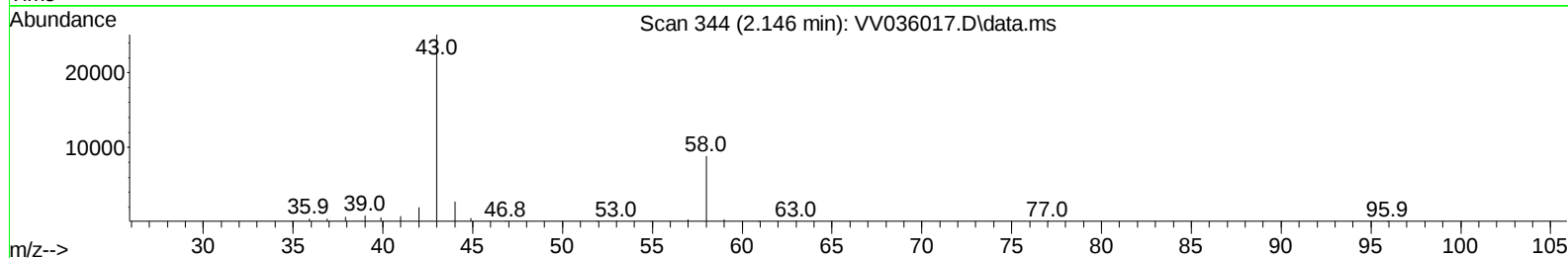
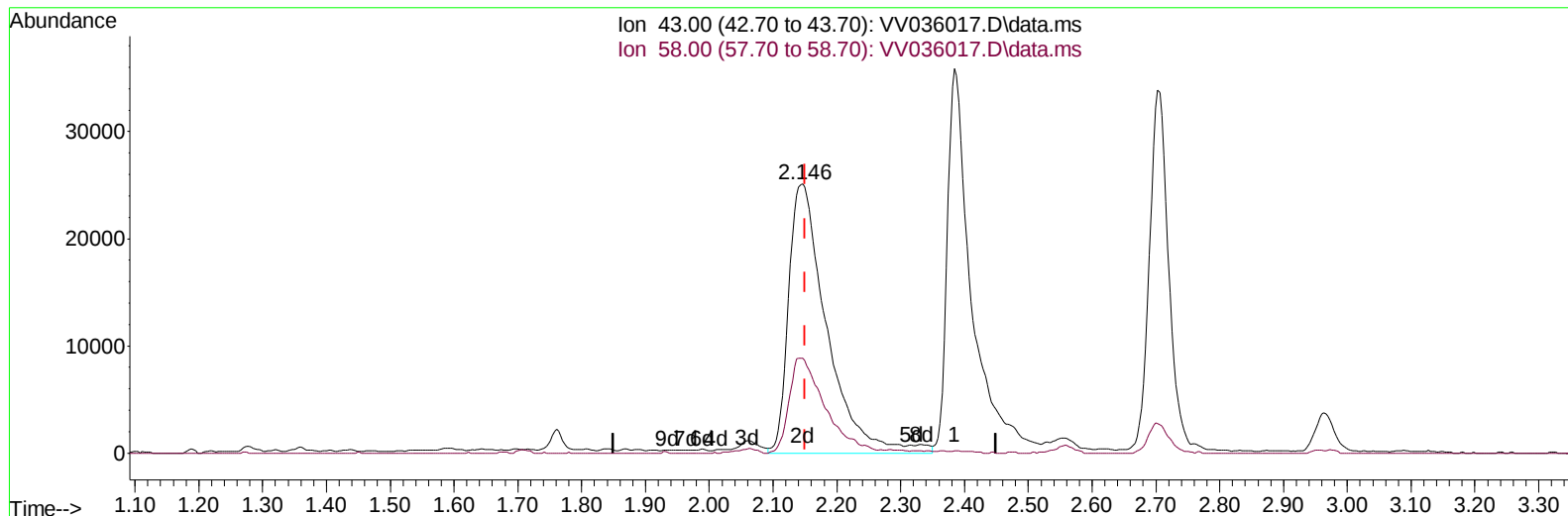
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV060724\
Data File : VV036017.D
Acq On : 07 Jun 2024 17:55
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00g/10.0mL/MSVOA_V/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD025300

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 06/11/2024
Supervised By :Semsettin Yesilyurt 06/11/2024

Quant Time: Jun 08 00:34:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jun 08 00:30:25 2024
Response via : Initial Calibration



TIC: VV036017.D\data.ms

(13) Acetone (T)

2.146min (-0.003) 39.71 ug/L m

response 104308

Ion	Exp%	Act%
43.00	100.00	100.00
58.00	12.10	0.05
0.00	0.00	0.00
0.00	0.00	0.00

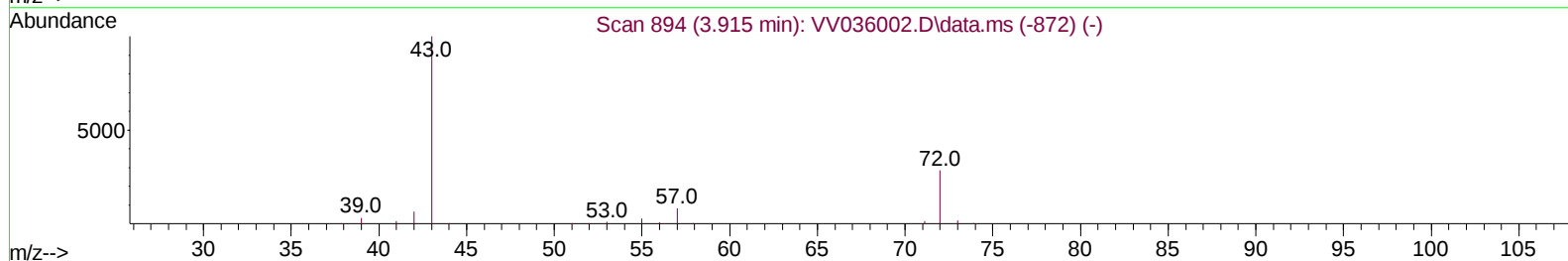
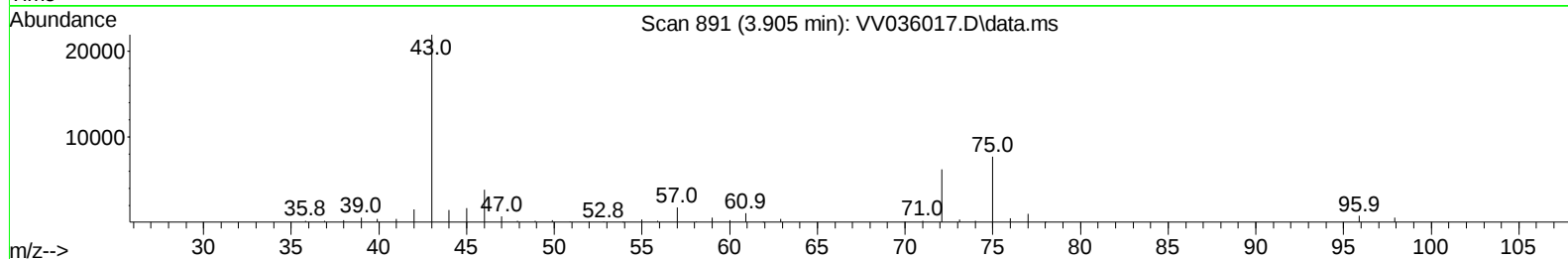
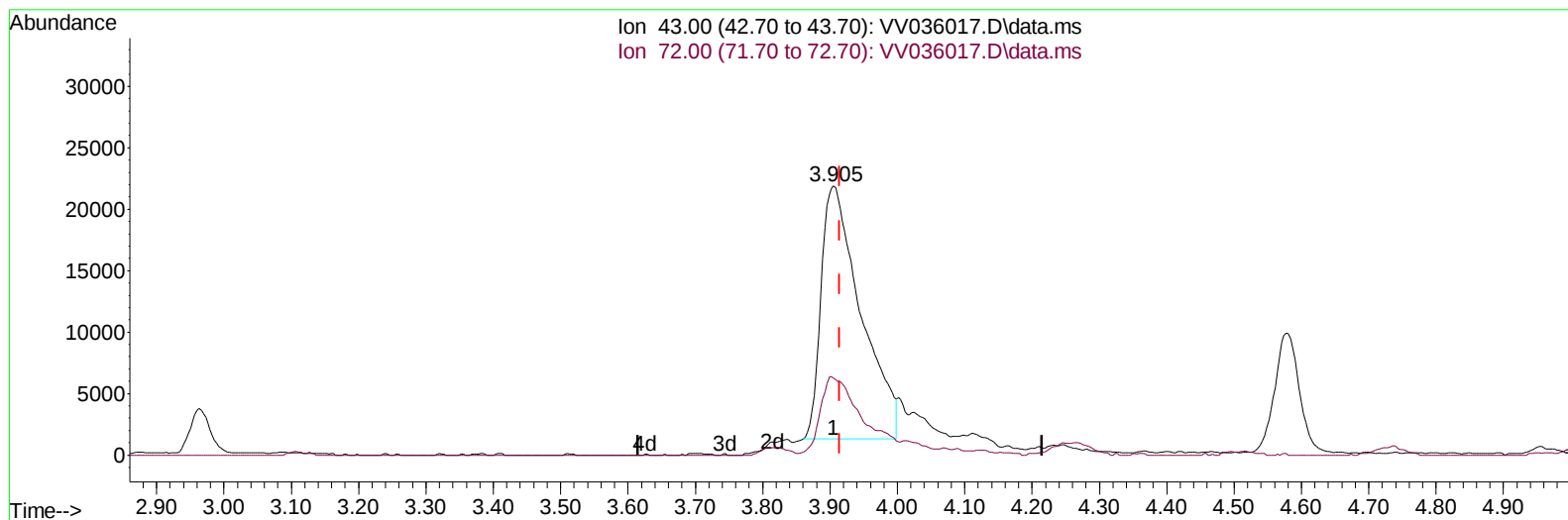
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV060724\
Data File : VV036017.D
Acq On : 07 Jun 2024 17:55
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00g/10.0mL/MSVOA_V/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD025300

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 06/11/2024
Supervised By :Semsettin Yesilyurt 06/11/2024

Quant Time: Jun 08 00:34:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jun 08 00:30:25 2024
Response via : Initial Calibration



TIC: VV036017.D\data.ms

(22) 2-Butanone (T)

3.905min (-0.010) 37.78 ug/L

response 84205

Ion	Exp%	Act%
43.00	100.00	100.00
72.00	16.30	27.62#
0.00	0.00	0.00
0.00	0.00	0.00

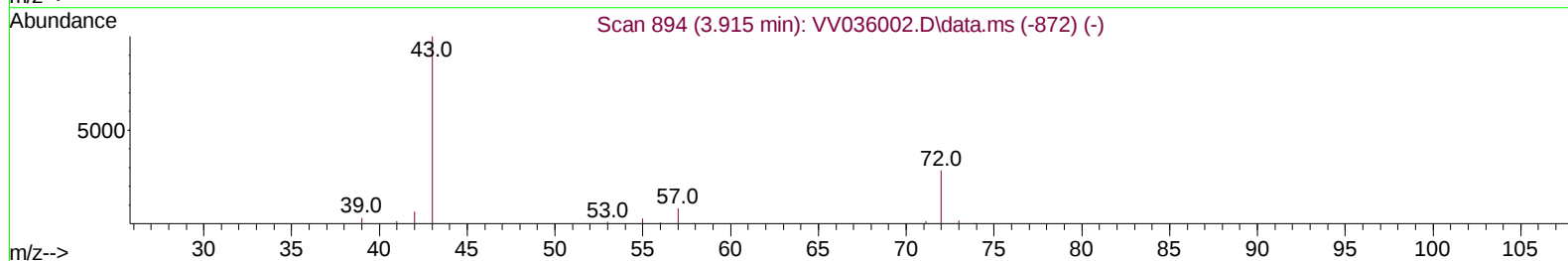
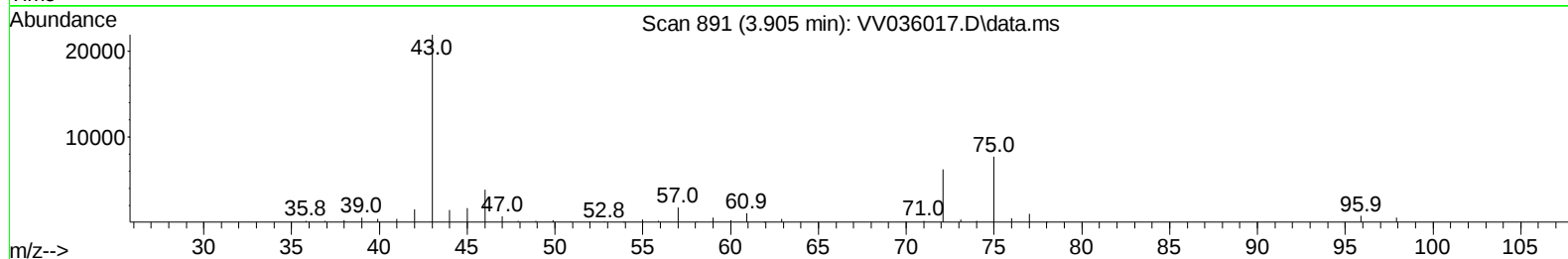
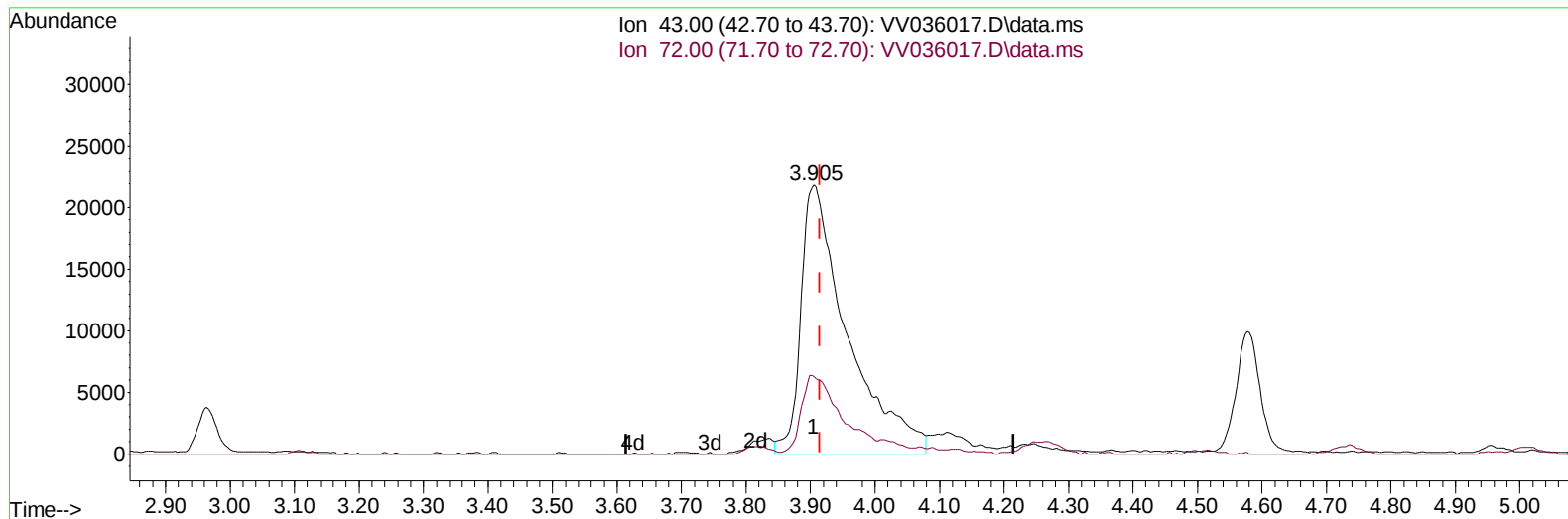
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV060724\
Data File : VV036017.D
Acq On : 07 Jun 2024 17:55
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00g/10.0mL/MSVOA_V/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD025300

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 06/11/2024
Supervised By :Semsettin Yesilyurt 06/11/2024

Quant Time: Jun 08 00:34:21 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jun 08 00:30:25 2024
Response via : Initial Calibration



TIC: VV036017.D\data.ms

(22) 2-Butanone (T)

3.905min (-0.010) 49.27 ug/L m

response 109812

Ion	Exp%	Act%
43.00	100.00	100.00
72.00	16.30	21.18
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV060724\
 Data File : VV036017.D
 Acq On : 07 Jun 2024 17:55
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025300

Quant Time: Jun 08 00:34:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 08 00:30:25 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/11/2024
 Supervised By :Semsettin Yesilyurt 06/11/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	399721	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	401767	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	205249	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	147397	20.057	ug/L	0.00
Spiked Amount 25.000	Range 30	- 150	Recovery	=	80.240%	
7) Chloroethane-d5	1.529	69	125631	21.440	ug/L	0.00
Spiked Amount 25.000	Range 30	- 150	Recovery	=	85.760%	
11) 1,1-Dichloroethene-d2	2.053	65	66859	20.437	ug/L	0.00
Spiked Amount 25.000	Range 45	- 110	Recovery	=	81.760%	
21) 2-Butanone-d5	3.828	46	80957	48.014	ug/L	-0.02
Spiked Amount 50.000	Range 20	- 135	Recovery	=	96.020%	
24) Chloroform-d	4.246	84	276758	21.778	ug/L	0.00
Spiked Amount 25.000	Range 40	- 150	Recovery	=	87.120%	
26) 1,2-Dichloroethane-d4	4.941	65	138985	20.860	ug/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	83.440%	
32) Benzene-d6	4.957	84	533550	22.341	ug/L	0.00
Spiked Amount 25.000	Range 20	- 135	Recovery	=	89.360%	
36) 1,2-Dichloropropane-d6	5.986	67	163856	21.787	ug/L	0.00
Spiked Amount 25.000	Range 70	- 120	Recovery	=	87.160%	
41) Toluene-d8	7.239	98	478121	22.690	ug/L	0.00
Spiked Amount 25.000	Range 30	- 130	Recovery	=	90.760%	
43) trans-1,3-Dichloroprop...	7.555	79	65302	21.177	ug/L	0.00
Spiked Amount 25.000	Range 30	- 135	Recovery	=	84.720%	
47) 2-Hexanone-d5	8.030	63	52572	51.594	ug/L	0.00
Spiked Amount 50.000	Range 20	- 135	Recovery	=	103.180%	
56) 1,1,2,2-Tetrachloroeth...	10.153	84	118948	21.165	ug/L	0.00
Spiked Amount 25.000	Range 45	- 120	Recovery	=	84.680%	
66) 1,2-Dichlorobenzene-d4	11.558	152	161079	21.401	ug/L	0.00
Spiked Amount 25.000	Range 75	- 120	Recovery	=	85.600%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	161463	22.403	ug/L	100
3) Chloromethane	1.211	50	201900	24.410	ug/L	100
5) Vinyl chloride	1.278	62	218598	25.104	ug/L	99
6) Bromomethane	1.484	94	131524	24.347	ug/L	99
8) Chloroethane	1.545	64	136384	25.198	ug/L	98
9) Trichlorofluoromethane	1.709	101	276984	25.614	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	175790	25.614	ug/L	100
12) 1,1-Dichloroethene	2.063	96	160153	25.020	ug/L	98
13) Acetone	2.146	43	104308m	39.714	ug/L	
14) Carbon disulfide	2.233	76	530413	23.862	ug/L	100
15) Methyl Acetate	2.384	43	90153	27.615	ug/L	96
16) Methylene chloride	2.442	84	213210	23.572	ug/L	100
17) trans-1,2-Dichloroethene	2.690	96	171316	25.195	ug/L	98
18) Methyl tert-butyl Ether	2.703	73	387389	25.378	ug/L	99
19) 1,1-Dichloroethane	3.108	63	331413	25.594	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	174141	25.488	ug/L	99
22) 2-Butanone	3.905	43	109812m	49.274	ug/L	
23) Bromochloromethane	4.146	128	84922	24.779	ug/L	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV060724\
 Data File : VV036017.D
 Acq On : 07 Jun 2024 17:55
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025300

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 06/11/2024
 Supervised By :Semsettin Yesilyurt 06/11/2024

Quant Time: Jun 08 00:34:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 08 00:30:25 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.272	83	334617	25.121	ug/L	98
27) 1,2-Dichloroethane	5.040	62	212688	25.576	ug/L	100
29) Cyclohexane	4.577	56	256727	26.838	ug/L	100
30) 1,1,1-Trichloroethane	4.506	97	283410	25.803	ug/L	99
31) Carbon tetrachloride	4.732	117	249595	25.903	ug/L	100
33) Benzene	5.005	78	698619	26.587	ug/L	100
34) Trichloroethene	5.831	95	211318	26.239	ug/L	99
35) Methylcyclohexane	6.047	83	295559	26.538	ug/L	99
37) 1,2-Dichloropropane	6.092	63	181083	26.245	ug/L	100
38) Bromodichloromethane	6.429	83	230270	25.215	ug/L	100
39) cis-1,3-Dichloropropene	6.953	75	258247	25.025	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	215646	57.526	ug/L	99
42) Toluene	7.313	91	734121	27.341	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	227275	25.497	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	141931	24.861	ug/L	97
46) Tetrachloroethene	7.902	164	147232	24.997	ug/L	99
48) 2-Hexanone	8.079	43	151830	51.808	ug/L	98
49) Dibromochloromethane	8.175	129	157028	25.132	ug/L	99
50) 1,2-Dibromoethane	8.281	107	139598	25.484	ug/L	99
51) Chlorobenzene	8.812	112	459377	25.110	ug/L	100
52) Ethylbenzene	8.944	91	775043	26.980	ug/L	99
53) m,p-Xylene	9.072	106	290044	26.871	ug/L	98
54) o-Xylene	9.477	106	271793	26.701	ug/L	98
55) Styrene	9.493	104	493712	27.504	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.175	83	124053	24.267	ug/L	99
59) Bromoform	9.664	173	101689	26.271	ug/L	100
60) Isopropylbenzene	9.863	105	758560	28.807	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	135430	27.899	ug/L	97
62) 1,3,5-Trimethylbenzene	10.474	105	530747	27.796	ug/L	98
63) 1,2,4-Trimethylbenzene	10.850	105	571976	27.802	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	350599	25.353	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	359961	25.219	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	328111	25.214	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.361	75	29464	27.143	ug/L	97
69) 1,3,5-Trichlorobenzene	12.580	180	244374	23.625	ug/L	99
70) 1,2,4-trichlorobenzene	13.197	180	193822	23.798	ug/L	99
71) Naphthalene	13.435	128	330390	24.857	ug/L	99
72) 1,2,3-Trichlorobenzene	13.677	180	184098	24.770	ug/L	99

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