

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071024\
 Data File : VW029495.D
 Acq On : 10 Jul 2024 09:47
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025531

Quant Time: Jul 11 02:09:01 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070824SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Jul 10 01:18:26 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/12/2024
 Supervised By :Semsettin Yesilyurt 07/12/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	8.837	114	273631	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	249381	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.550	152	124963	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	111119	25.138	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 100.560%			
7) Chloroethane-d5	2.899	69	82584	25.947	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 103.800%			
11) 1,1-Dichloroethene-d2	4.021	65	51400	25.895	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 103.560%			
21) 2-Butanone-d5	7.075	46	55653	41.941	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 83.880%			
24) Chloroform-d	7.648	84	211368	26.720	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 106.880%			
26) 1,2-Dichloroethane-d4	8.307	65	120622	25.997	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 104.000%			
32) Benzene-d6	8.270	84	415751	27.829	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 111.320%			
36) 1,2-Dichloropropane-d6	9.270	67	129845	27.183	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 108.720%			
41) Toluene-d8	10.319	98	372543	28.355	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 113.440%			
43) trans-1,3-Dichloroprop...	10.575	79	51359	25.391	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 101.560%			
47) 2-Hexanone-d5	10.922	63	39198	45.160	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 90.320%			
56) 1,1,2,2-Tetrachloroeth...	12.690	84	94986	24.492	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 97.960%			
66) 1,2-Dichlorobenzene-d4	13.849	152	114335	26.272	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 105.080%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.015	85	55142m	20.580	ug/L	
3) Chloromethane	2.223	50	81999	22.873	ug/L	94
5) Vinyl chloride	2.375	62	100210	24.494	ug/L	95
6) Bromomethane	2.790	94	61317	25.313	ug/L	95
8) Chloroethane	2.936	64	64410	25.586	ug/L	98
9) Trichlorofluoromethane	3.265	101	89758	24.373	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	4.076	101	91548	25.260	ug/L	95
12) 1,1-Dichloroethene	4.045	96	87163	25.614	ug/L	98
13) Acetone	4.119	43	58085	43.370	ug/L	100
14) Carbon disulfide	4.393	76	284502	25.745	ug/L	99
15) Methyl Acetate	4.667	43	48770	20.741	ug/L	98
16) Methylene chloride	4.917	84	103786	21.186	ug/L	96
17) trans-1,2-Dichloroethene	5.429	96	96983	25.745	ug/L	93
18) Methyl tert-butyl Ether	5.423	73	150675	23.509	ug/L	99
19) 1,1-Dichloroethane	6.216	63	199449	25.781	ug/L	97
20) cis-1,2-Dichloroethene	7.173	96	106479	25.849	ug/L	97
22) 2-Butanone	7.167	43	70564	40.134	ug/L	99
23) Bromochloromethane	7.520	128	44826	24.193	ug/L	86
25) Chloroform	7.673	83	192435	25.708	ug/L	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071024\
 Data File : VW029495.D
 Acq On : 10 Jul 2024 09:47
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025531

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/12/2024
 Supervised By :Semsettin Yesilyurt 07/12/2024

Quant Time: Jul 11 02:09:01 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070824SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Jul 10 01:18:26 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	136024	24.228	ug/L #	95
29) Cyclohexane	7.953	56	169922	27.364	ug/L	98
30) 1,1,1-Trichloroethane	7.874	97	153202	26.902	ug/L	100
31) Carbon tetrachloride	8.063	117	139330	26.715	ug/L	99
33) Benzene	8.319	78	421168	26.993	ug/L	100
34) Trichloroethene	9.093	95	109185	26.499	ug/L	97
35) Methylcyclohexane	9.331	83	183548	27.715	ug/L	99
37) 1,2-Dichloropropane	9.368	63	115836	26.847	ug/L	100
38) Bromodichloromethane	9.642	83	136844	25.966	ug/L	96
39) cis-1,3-Dichloropropene	10.069	75	172805	26.665	ug/L	100
40) 4-Methyl-2-pentanone	10.209	43	140327	46.147	ug/L	99
42) Toluene	10.386	91	443672	27.795	ug/L	100
44) trans-1,3-Dichloropropene	10.605	75	142042	25.573	ug/L	99
45) 1,1,2-Trichloroethane	10.788	97	76358	24.607	ug/L	97
46) Tetrachloroethene	10.861	164	75976	25.954	ug/L	86
48) 2-Hexanone	10.965	43	106032	46.414	ug/L	100
49) Dibromochloromethane	11.130	129	82440	25.529	ug/L	93
50) 1,2-Dibromoethane	11.233	107	71250	24.095	ug/L	95
51) Chlorobenzene	11.654	112	279573	27.094	ug/L	98
52) Ethylbenzene	11.727	91	498962	27.590	ug/L	99
53) m,p-Xylene	11.837	106	184564	27.800	ug/L	100
54) o-Xylene	12.160	106	177750	28.947	ug/L	88
55) Styrene	12.178	104	306741	28.409	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.715	83	92568	23.649	ug/L	96
59) Bromoform	12.349	173	44269	22.950	ug/L	98
60) Isopropylbenzene	12.459	105	481478	27.384	ug/L	100
61) 1,2,3-Trichloropropane	12.763	75	68287	22.579	ug/L	99
62) 1,3,5-Trimethylbenzene	12.940	105	365631	29.234	ug/L	100
63) 1,2,4-Trimethylbenzene	13.245	105	386918	28.030	ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	204467	25.944	ug/L	95
65) 1,4-Dichlorobenzene	13.574	146	202816	25.120	ug/L	91
67) 1,2-Dichlorobenzene	13.867	146	184297	25.869	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.477	75	14529	20.095	ug/L #	85
69) 1,3,5-Trichlorobenzene	14.623	180	135987	26.450	ug/L	98
70) 1,2,4-trichlorobenzene	15.123	180	112622	24.895	ug/L	98
71) Naphthalene	15.360	128	209006	22.012	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	99218	24.139	ug/L	98

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

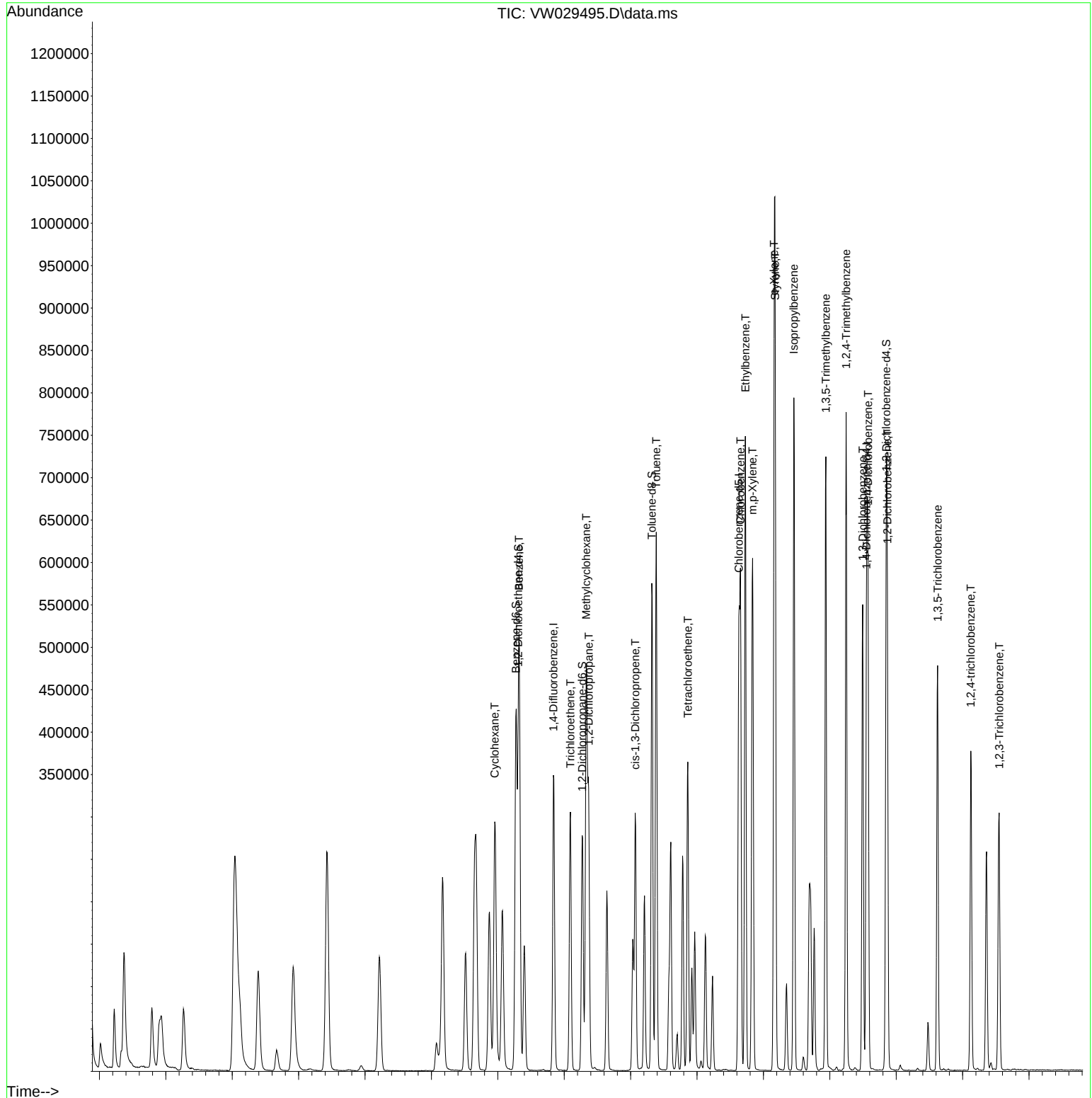
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071024\
Data File : VW029495.D
Acq On : 10 Jul 2024 09:47
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD025531

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/12/2024
Supervised By :Semsettin Yesilyurt 07/12/2024

Quant Time: Jul 11 02:09:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070824SMA.M
Quant Title : SFAM01.0
QLast Update : Wed Jul 10 01:18:26 2024
Response via : Initial Calibration



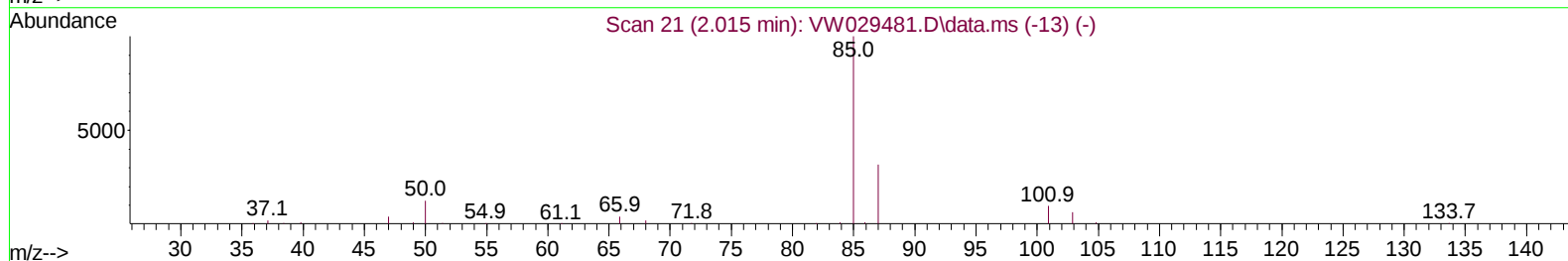
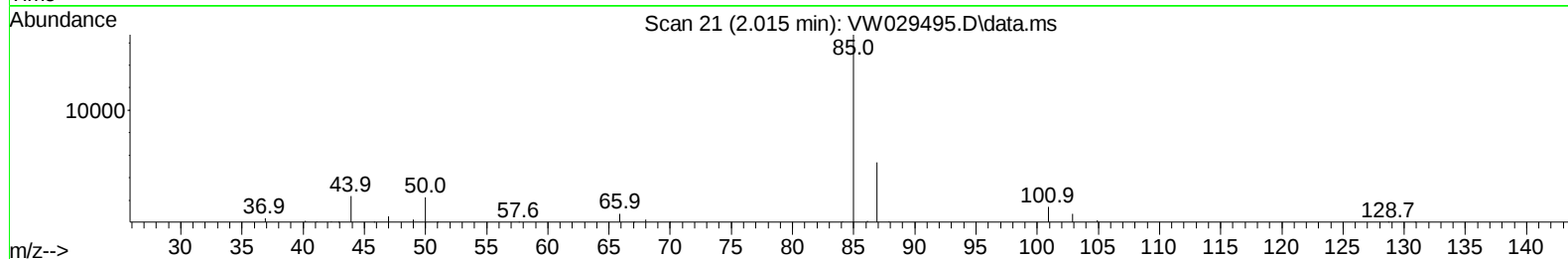
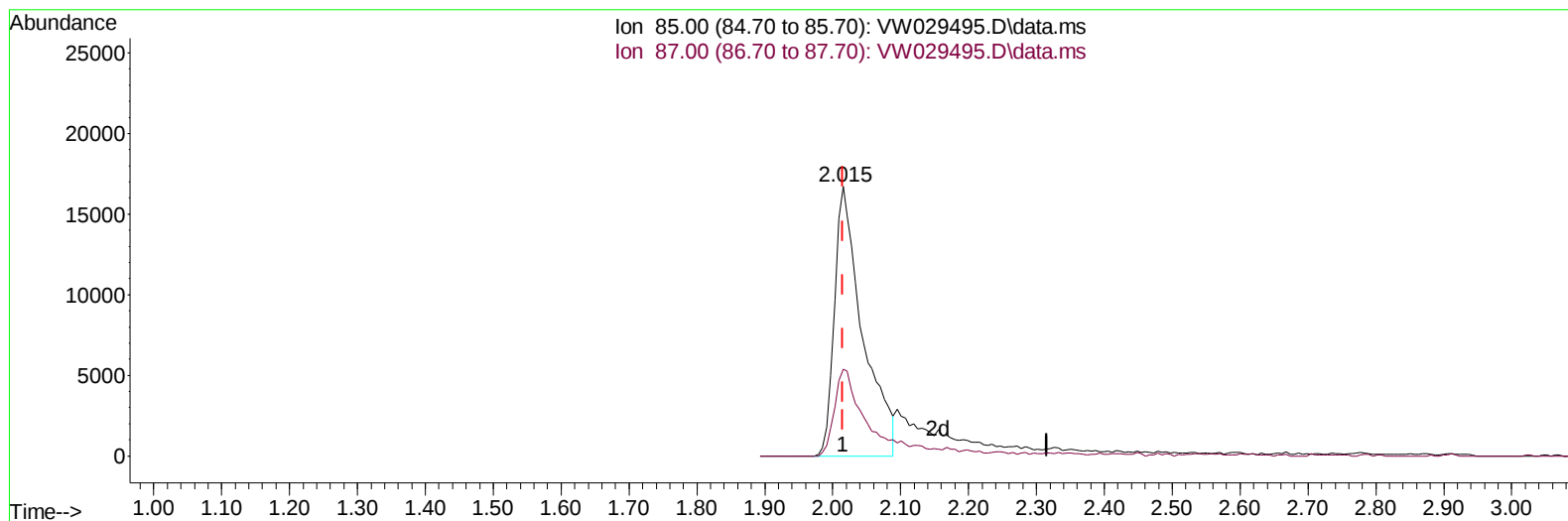
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071024\
 Data File : VW029495.D
 Acq On : 10 Jul 2024 09:47
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025531

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/12/2024
 Supervised By :Semsettin Yesilyurt 07/12/2024

Quant Time: Jul 11 02:09:01 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070824SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Jul 10 01:18:26 2024
 Response via : Initial Calibration



TIC: VW029495.D\data.ms

(2) Dichlorodifluoromethane (T)

2.015min (+ 0.000) 17.94 ug/L

response 48076

Ion	Exp%	Act%
85.00	100.00	100.00
87.00	32.60	34.92
0.00	0.00	0.00
0.00	0.00	0.00

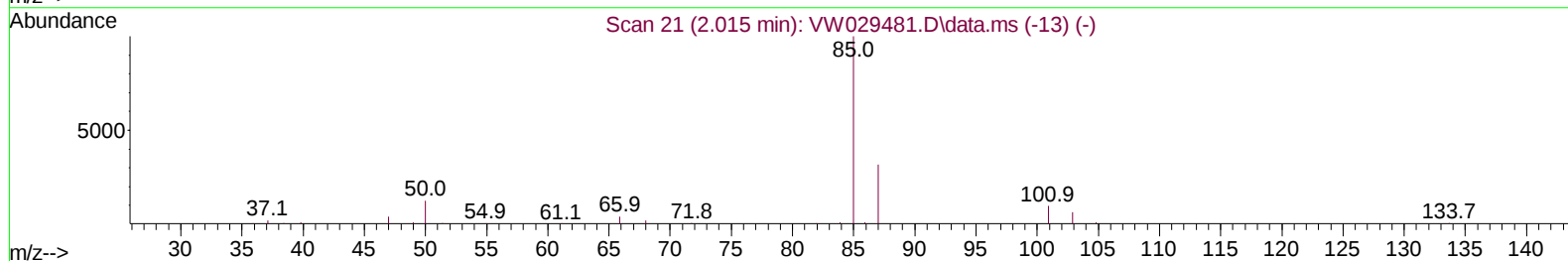
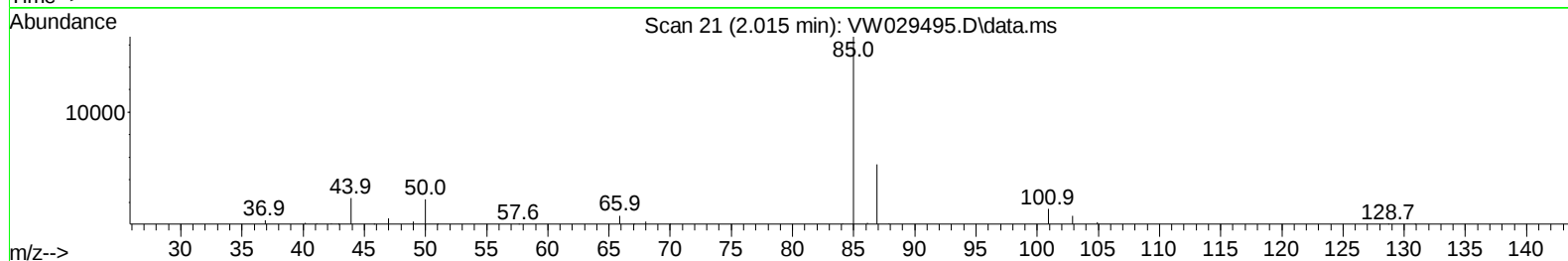
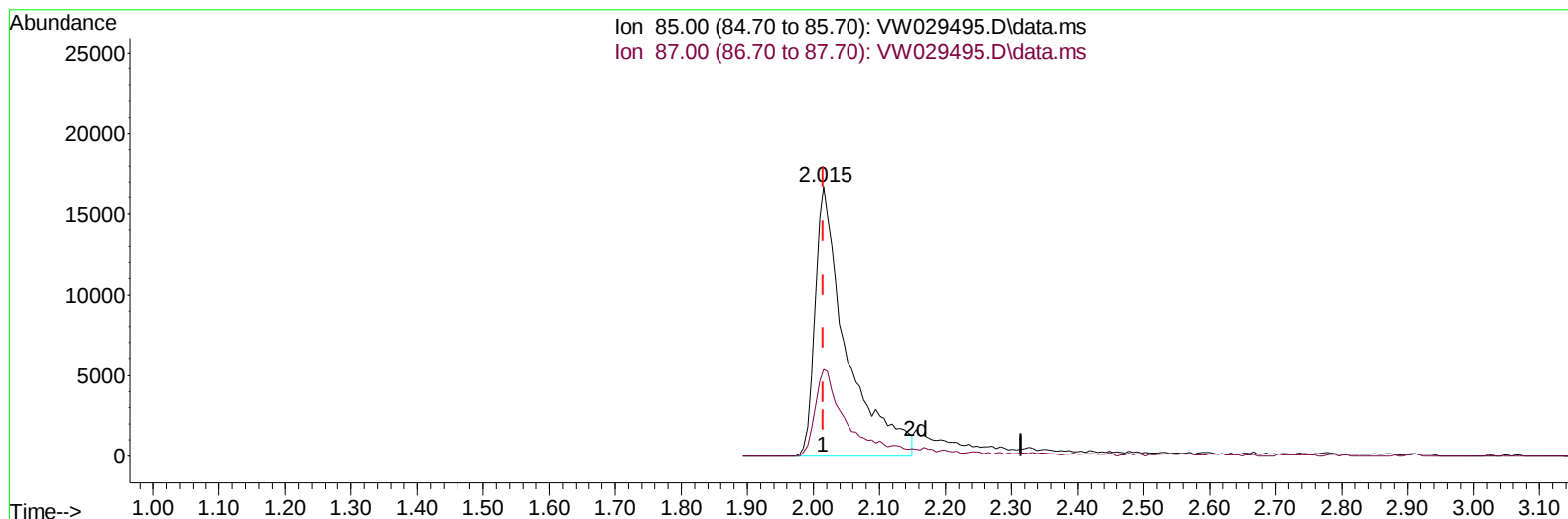
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071024\
Data File : VW029495.D
Acq On : 10 Jul 2024 09:47
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD025531

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 07/12/2024
Supervised By :Semsettin Yesilyurt 07/12/2024

Quant Time: Jul 11 02:09:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070824SMA.M
Quant Title : SFAM01.0
QLast Update : Wed Jul 10 01:18:26 2024
Response via : Initial Calibration



TIC: VW029495.D\data.ms

(2) Dichlorodifluoromethane (T)

2.015min (+ 0.000) 20.58 ug/L m

response 55142

Ion	Exp%	Act%
85.00	100.00	100.00
87.00	32.60	30.45
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071024\
 Data File : VW029495.D
 Acq On : 10 Jul 2024 09:47
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025531

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/12/2024
 Supervised By :Semsettin Yesilyurt 07/12/2024

Quant Time: Jul 11 02:09:01 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070824SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Jul 10 01:18:26 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.837	114	273631	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	249381	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.550	152	124963	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	111119	25.138	ug/L	0.00
Spiked Amount 25.000	Range 30	- 150	Recovery	=	100.560%	
7) Chloroethane-d5	2.899	69	82584	25.947	ug/L	0.00
Spiked Amount 25.000	Range 30	- 150	Recovery	=	103.800%	
11) 1,1-Dichloroethene-d2	4.021	65	51400	25.895	ug/L	0.00
Spiked Amount 25.000	Range 45	- 110	Recovery	=	103.560%	
21) 2-Butanone-d5	7.075	46	55653	41.941	ug/L	0.00
Spiked Amount 50.000	Range 20	- 135	Recovery	=	83.880%	
24) Chloroform-d	7.648	84	211368	26.720	ug/L	0.00
Spiked Amount 25.000	Range 40	- 150	Recovery	=	106.880%	
26) 1,2-Dichloroethane-d4	8.307	65	120622	25.997	ug/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	104.000%	
32) Benzene-d6	8.270	84	415751	27.829	ug/L	0.00
Spiked Amount 25.000	Range 20	- 135	Recovery	=	111.320%	
36) 1,2-Dichloropropane-d6	9.270	67	129845	27.183	ug/L	0.00
Spiked Amount 25.000	Range 70	- 120	Recovery	=	108.720%	
41) Toluene-d8	10.319	98	372543	28.355	ug/L	0.00
Spiked Amount 25.000	Range 30	- 130	Recovery	=	113.440%	
43) trans-1,3-Dichloroprop...	10.575	79	51359	25.391	ug/L	0.00
Spiked Amount 25.000	Range 30	- 135	Recovery	=	101.560%	
47) 2-Hexanone-d5	10.922	63	39198	45.160	ug/L	0.00
Spiked Amount 50.000	Range 20	- 135	Recovery	=	90.320%	
56) 1,1,2,2-Tetrachloroeth...	12.690	84	94986	24.492	ug/L	0.00
Spiked Amount 25.000	Range 45	- 120	Recovery	=	97.960%	
66) 1,2-Dichlorobenzene-d4	13.849	152	114335	26.272	ug/L	0.00
Spiked Amount 25.000	Range 75	- 120	Recovery	=	105.080%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.015	85	55142m	20.580	ug/L	
3) Chloromethane	2.223	50	81999	22.873	ug/L	94
5) Vinyl chloride	2.375	62	100210	24.494	ug/L	95
6) Bromomethane	2.790	94	61317	25.313	ug/L	95
8) Chloroethane	2.936	64	64410	25.586	ug/L	98
9) Trichlorofluoromethane	3.265	101	89758	24.373	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	4.076	101	91548	25.260	ug/L	95
12) 1,1-Dichloroethene	4.045	96	87163	25.614	ug/L	98
13) Acetone	4.119	43	58085	43.370	ug/L	100
14) Carbon disulfide	4.393	76	284502	25.745	ug/L	99
15) Methyl Acetate	4.667	43	48770	20.741	ug/L	98
16) Methylene chloride	4.917	84	103786	21.186	ug/L	96
17) trans-1,2-Dichloroethene	5.429	96	96983	25.745	ug/L	93
18) Methyl tert-butyl Ether	5.423	73	150675	23.509	ug/L	99
19) 1,1-Dichloroethane	6.216	63	199449	25.781	ug/L	97
20) cis-1,2-Dichloroethene	7.173	96	106479	25.849	ug/L	97
22) 2-Butanone	7.167	43	70564	40.134	ug/L	99
23) Bromochloromethane	7.520	128	44826	24.193	ug/L	86

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071024\
 Data File : VW029495.D
 Acq On : 10 Jul 2024 09:47
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025531

Quant Time: Jul 11 02:09:01 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070824SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Jul 10 01:18:26 2024
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/12/2024
 Supervised By :Semsettin Yesilyurt 07/12/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	7.673	83	192435	25.708	ug/L	97
27) 1,2-Dichloroethane	8.398	62	136024	24.228	ug/L #	95
29) Cyclohexane	7.953	56	169922	27.364	ug/L	98
30) 1,1,1-Trichloroethane	7.874	97	153202	26.902	ug/L	100
31) Carbon tetrachloride	8.063	117	139330	26.715	ug/L	99
33) Benzene	8.319	78	421168	26.993	ug/L	100
34) Trichloroethene	9.093	95	109185	26.499	ug/L	97
35) Methylcyclohexane	9.331	83	183548	27.715	ug/L	99
37) 1,2-Dichloropropane	9.368	63	115836	26.847	ug/L	100
38) Bromodichloromethane	9.642	83	136844	25.966	ug/L	96
39) cis-1,3-Dichloropropene	10.069	75	172805	26.665	ug/L	100
40) 4-Methyl-2-pentanone	10.209	43	140327	46.147	ug/L	99
42) Toluene	10.386	91	443672	27.795	ug/L	100
44) trans-1,3-Dichloropropene	10.605	75	142042	25.573	ug/L	99
45) 1,1,2-Trichloroethane	10.788	97	76358	24.607	ug/L	97
46) Tetrachloroethene	10.861	164	75976	25.954	ug/L	86
48) 2-Hexanone	10.965	43	106032	46.414	ug/L	100
49) Dibromochloromethane	11.130	129	82440	25.529	ug/L	93
50) 1,2-Dibromoethane	11.233	107	71250	24.095	ug/L	95
51) Chlorobenzene	11.654	112	279573	27.094	ug/L	98
52) Ethylbenzene	11.727	91	498962	27.590	ug/L	99
53) m,p-Xylene	11.837	106	184564	27.800	ug/L	100
54) o-Xylene	12.160	106	177750	28.947	ug/L	88
55) Styrene	12.178	104	306741	28.409	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.715	83	92568	23.649	ug/L	96
59) Bromoform	12.349	173	44269	22.950	ug/L	98
60) Isopropylbenzene	12.459	105	481478	27.384	ug/L	100
61) 1,2,3-Trichloropropane	12.763	75	68287	22.579	ug/L	99
62) 1,3,5-Trimethylbenzene	12.940	105	365631	29.234	ug/L	100
63) 1,2,4-Trimethylbenzene	13.245	105	386918	28.030	ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	204467	25.944	ug/L	95
65) 1,4-Dichlorobenzene	13.574	146	202816	25.120	ug/L	91
67) 1,2-Dichlorobenzene	13.867	146	184297	25.869	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.477	75	14529	20.095	ug/L #	85
69) 1,3,5-Trichlorobenzene	14.623	180	135987	26.450	ug/L	98
70) 1,2,4-trichlorobenzene	15.123	180	112622	24.895	ug/L	98
71) Naphthalene	15.360	128	209006	22.012	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	99218	24.139	ug/L	98

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071024\
 Data File : VW029495.D
 Acq On : 10 Jul 2024 09:47
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025531

Manual Integrations APPROVED

Reviewed By : Mahesh Dadoda 07/12/2024
 Supervised By : Semsettin Yesilyurt 07/12/2024

Quant Time: Jul 11 02:09:01 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM070824SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Jul 10 01:18:26 2024
 Response via : Initial Calibration

