

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120423\
 Data File : VD077732.D
 Acq On : 04 Dec 2023 09:00
 Operator : JC/SY
 Sample : VSTDCCC025
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025298

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/05/2023
 Supervised By :Semsettin Yesilyurt 12/05/2023

Quant Time: Dec 05 00:00:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM112923SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon Dec 04 03:09:24 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	316291	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.586	117	289078	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	150014	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.287	65	150104	17.403	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	69.600%		
7) Chloroethane-d5	2.810	69	128547	18.698	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	74.800%		
11) 1,1-Dichloroethene-d2	3.928	65	43017	19.235	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	76.920%		
21) 2-Butanone-d5	6.987	46	45026	41.303	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	82.600%		
24) Chloroform-d	7.575	84	192785	22.615	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	90.480%		
26) 1,2-Dichloroethane-d4	8.234	65	93445	21.635	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	86.560%		
32) Benzene-d6	8.204	84	387002	22.228	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	88.920%		
36) 1,2-Dichloropropane-d6	9.216	67	116040	21.844	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	87.360%		
41) Toluene-d8	10.275	98	363577	22.688	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	90.760%		
43) trans-1,3-Dichloroprop...	10.528	79	50937	21.684	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	86.720%		
47) 2-Hexanone-d5	10.881	63	40283	44.007	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	88.020%		
56) 1,1,2,2-Tetrachloroeth...	12.657	84	85970	22.396	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	89.600%		
66) 1,2-Dichlorobenzene-d4	13.822	152	117585	21.910	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	87.640%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.940	85	132082	26.158	ug/L	100
3) Chloromethane	2.152	50	157602	21.726	ug/L	98
5) Vinyl chloride	2.293	62	213192	23.595	ug/L	96
6) Bromomethane	2.705	94	111902	23.378	ug/L	100
8) Chloroethane	2.852	64	140018	24.826	ug/L	98
9) Trichlorofluoromethane	3.193	101	200582	26.028	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.981	101	124836	27.459	ug/L #	73
12) 1,1-Dichloroethene	3.946	96	113918	26.477	ug/L #	82
13) Acetone	4.028	43	65939	47.210	ug/L	95
14) Carbon disulfide	4.281	76	400565	26.271	ug/L	100
15) Methyl Acetate	4.569	43	44518	22.265	ug/L #	86
16) Methylene chloride	4.810	84	118265	21.058	ug/L	97
17) trans-1,2-Dichloroethene	5.322	96	124175	27.681	ug/L	96
18) Methyl tert-butyl Ether	5.322	73	239171	24.187	ug/L	99
19) 1,1-Dichloroethane	6.122	63	212836	25.174	ug/L	97
20) cis-1,2-Dichloroethene	7.087	96	128959	25.870	ug/L	97
22) 2-Butanone	7.087	43	72946m	46.403	ug/L	
23) Bromochloromethane	7.434	128	53403	25.732	ug/L	94
25) Chloroform	7.604	83	214393	25.758	ug/L	93

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120423\
 Data File : VD077732.D
 Acq On : 04 Dec 2023 09:00
 Operator : JC/SY
 Sample : VSTDCCC025
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025298

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/05/2023
 Supervised By :Semsettin Yesilyurt 12/05/2023

Quant Time: Dec 05 00:00:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM112923SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon Dec 04 03:09:24 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.328	62	129171	24.810	ug/L #	93
29) Cyclohexane	7.881	56	203458	26.672	ug/L	96
30) 1,1,1-Trichloroethane	7.798	97	191916	27.131	ug/L	99
31) Carbon tetrachloride	7.998	117	174805	28.101	ug/L	99
33) Benzene	8.257	78	499426	26.543	ug/L	100
34) Trichloroethene	9.034	95	125988	26.975	ug/L	99
35) Methylcyclohexane	9.281	83	223976	27.012	ug/L	98
37) 1,2-Dichloropropane	9.310	63	123829	25.242	ug/L	100
38) Bromodichloromethane	9.587	83	152384	25.544	ug/L	95
39) cis-1,3-Dichloropropene	10.022	75	192336	25.106	ug/L	96
40) 4-Methyl-2-pentanone	10.163	43	124090	45.839	ug/L	98
42) Toluene	10.339	91	539034	26.972	ug/L	97
44) trans-1,3-Dichloropropene	10.557	75	160748	25.122	ug/L	98
45) 1,1,2-Trichloroethane	10.739	97	86502	26.255	ug/L	96
46) Tetrachloroethene	10.810	164	102073	27.102	ug/L	98
48) 2-Hexanone	10.922	43	108148	47.001	ug/L	94
49) Dibromochloromethane	11.081	129	100166	25.568	ug/L	97
50) 1,2-Dibromoethane	11.181	107	79267	24.947	ug/L	96
51) Chlorobenzene	11.610	112	325657	26.279	ug/L	100
52) Ethylbenzene	11.686	91	593032	26.768	ug/L	100
53) m,p-Xylene	11.798	106	224639	26.835	ug/L	99
54) o-Xylene	12.128	106	213342	26.630	ug/L	97
55) Styrene	12.139	104	375373	26.777	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.681	83	96654	24.758	ug/L	100
59) Bromoform	12.304	173	64020	25.792	ug/L #	97
60) Isopropylbenzene	12.428	105	594807	26.565	ug/L	100
61) 1,2,3-Trichloropropane	12.728	75	65948	23.900	ug/L	96
62) 1,3,5-Trimethylbenzene	12.910	105	437435	26.011	ug/L	98
63) 1,2,4-Trimethylbenzene	13.216	105	448066	26.277	ug/L	99
64) 1,3-Dichlorobenzene	13.463	146	252663	26.092	ug/L	99
65) 1,4-Dichlorobenzene	13.539	146	262905	26.165	ug/L	98
67) 1,2-Dichlorobenzene	13.833	146	223277	25.624	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.451	75	14461	22.226	ug/L	92
69) 1,3,5-Trichlorobenzene	14.598	180	173411	26.299	ug/L	99
70) 1,2,4-trichlorobenzene	15.104	180	142520	25.460	ug/L	98
71) Naphthalene	15.339	128	251630	24.588	ug/L	100
72) 1,2,3-Trichlorobenzene	15.527	180	121030	24.664	ug/L	99

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

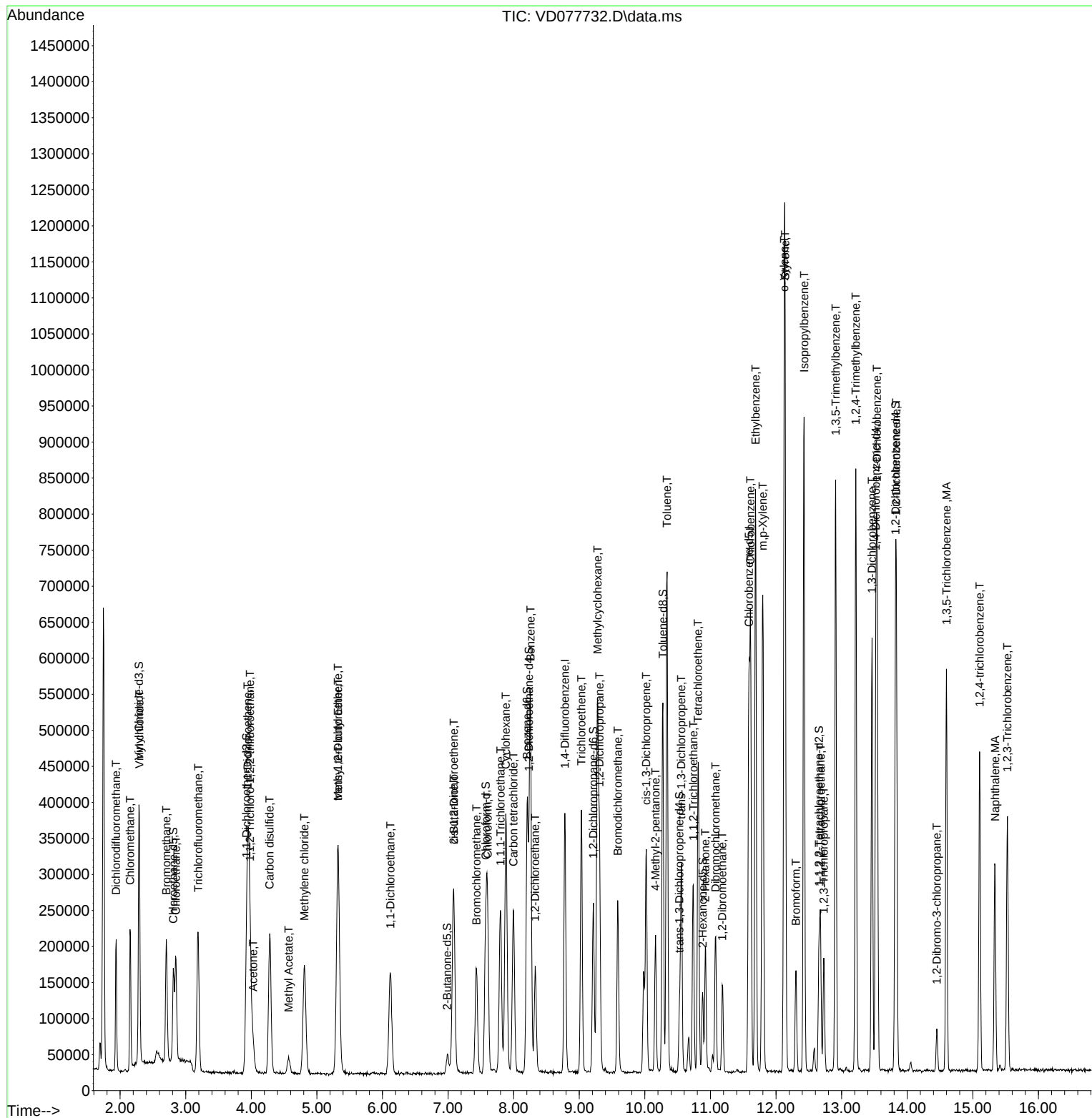
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120423\
 Data File : VD077732.D
 Acq On : 04 Dec 2023 09:00
 Operator : JC/SY
 Sample : VSTDCCC025
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025298

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/05/2023
 Supervised By :Semsettin Yesilyurt 12/05/2023

Quant Time: Dec 05 00:00:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM112923SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon Dec 04 03:09:24 2023
 Response via : Initial Calibration



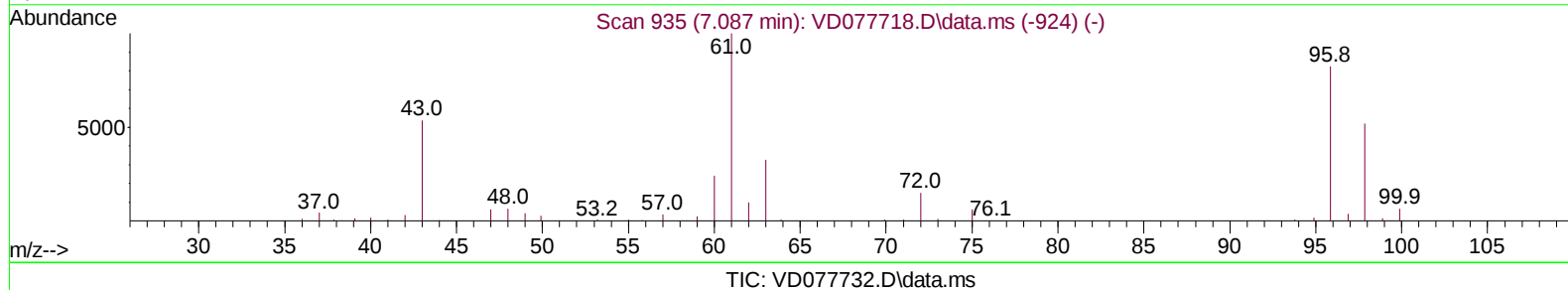
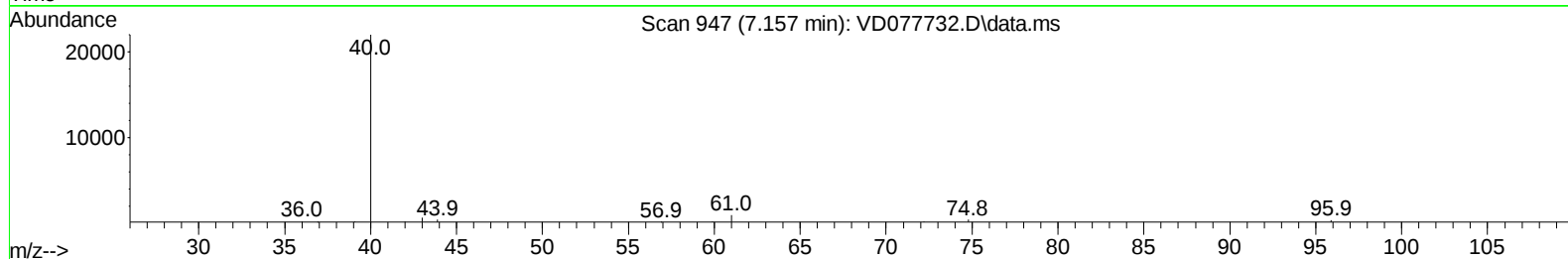
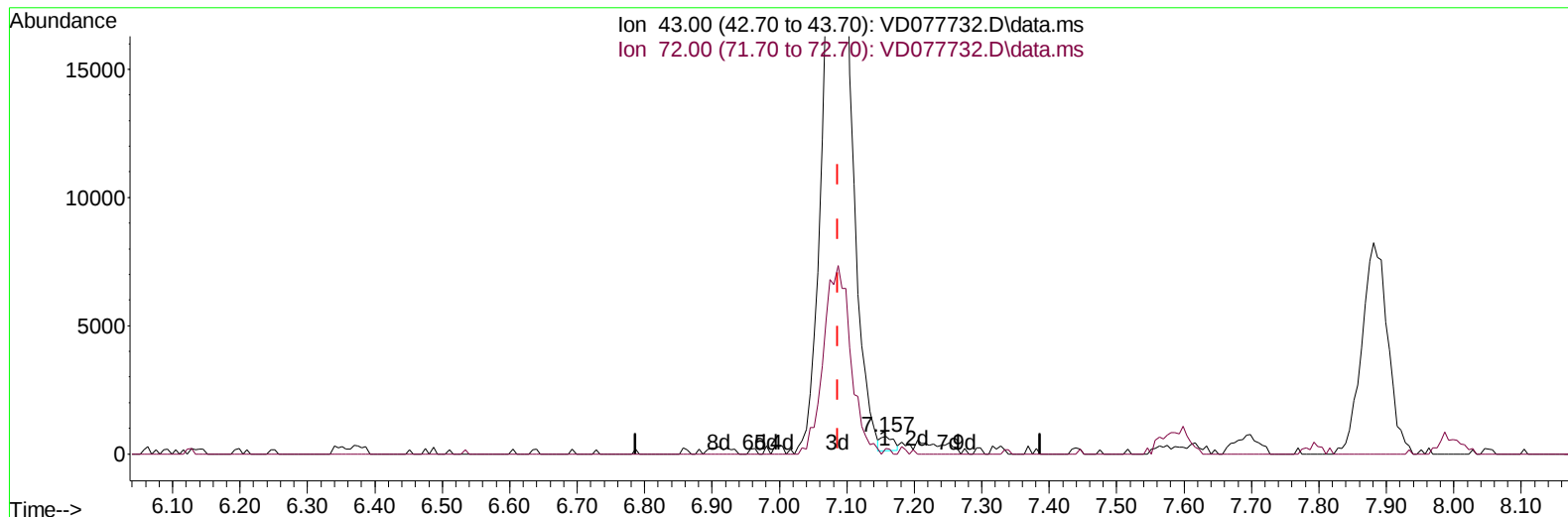
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120423\
 Data File : VD077732.D
 Acq On : 04 Dec 2023 09:00
 Operator : JC/SY
 Sample : VSTDCCC025
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025298

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/05/2023
 Supervised By :Semsettin Yesilyurt 12/05/2023

Quant Time: Dec 05 00:00:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM112923SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon Dec 04 03:09:24 2023
 Response via : Initial Calibration



(22) 2-Butanone (T)

7.157min (+ 0.070) 0.48 ug/L

response 756

Ion	Exp%	Act%
43.00	100.00	100.00
72.00	14.40	18.78
0.00	0.00	0.00
0.00	0.00	0.00

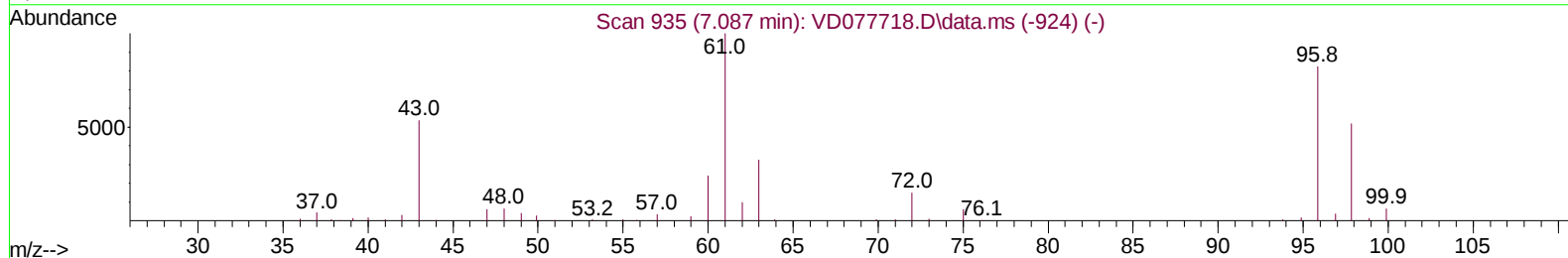
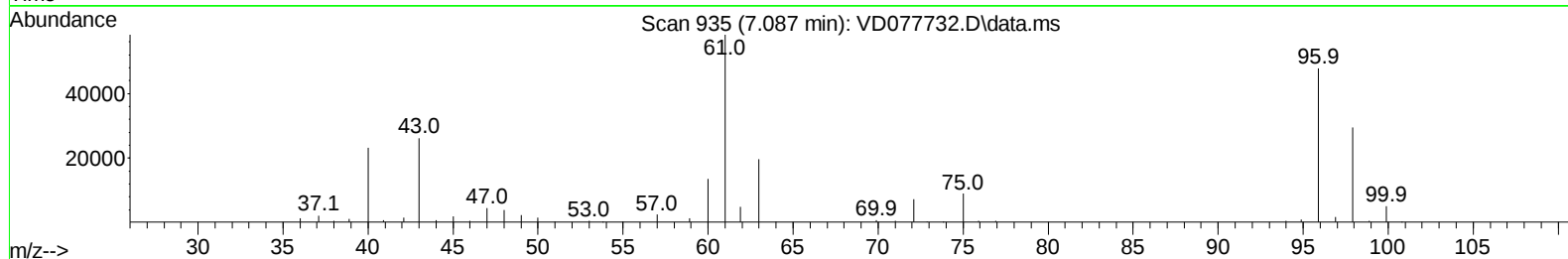
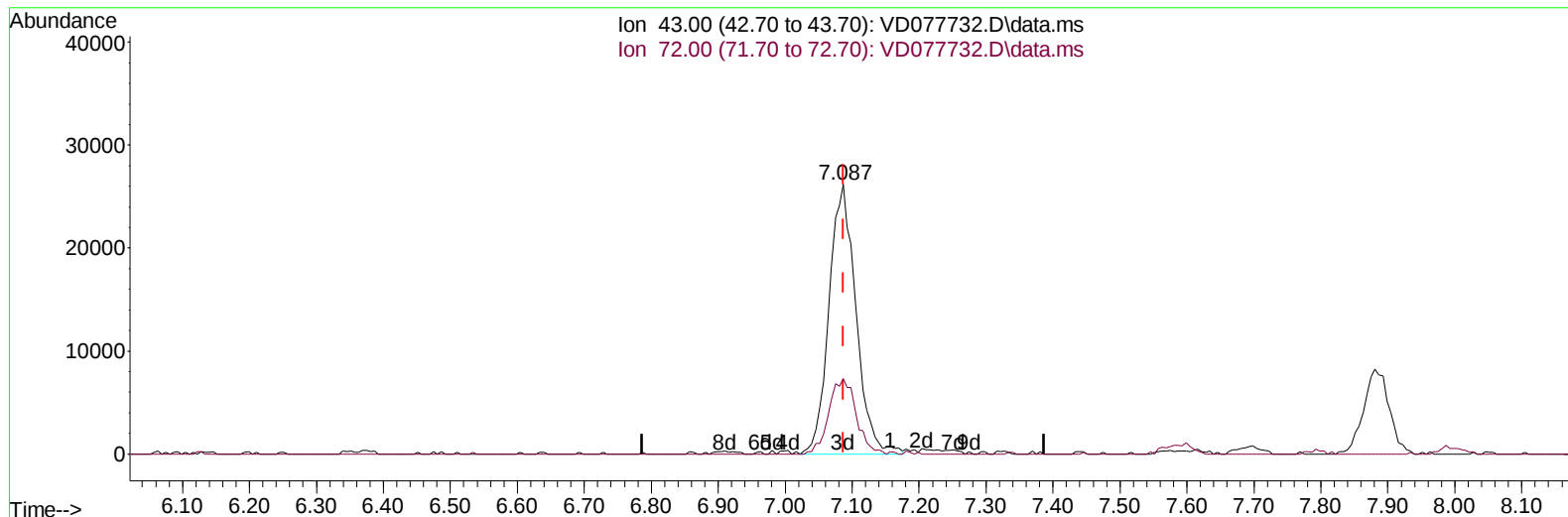
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120423\
 Data File : VD077732.D
 Acq On : 04 Dec 2023 09:00
 Operator : JC/SY
 Sample : VSTDCCC025
 Misc : 5.00G/10ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025298

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/05/2023
 Supervised By :Semsettin Yesilyurt 12/05/2023

Quant Time: Dec 05 00:00:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM112923SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon Dec 04 03:09:24 2023
 Response via : Initial Calibration



TIC: VD077732.D\data.ms

(22) 2-Butanone (T)

7.087min (-0.000) 46.40 ug/L m

response 72946

Ion	Exp%	Act%
43.00	100.00	100.00
72.00	14.40	0.19#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120423\
 Data File : VD077732.D
 Acq On : 04 Dec 2023 09:00
 Operator : JC/SY
 Sample : VSTDCCC025
 Misc : 5.00G/10mL/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025298

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/05/2023
 Supervised By :Semsettin Yesilyurt 12/05/2023

Quant Time: Dec 05 00:00:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM112923SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon Dec 04 03:09:24 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.781	114	316291	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.586	117	289078	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.522	152	150014	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.287	65	150104	17.403	ug/L	0.00
Spiked Amount 25.000	Range 30	- 150	Recovery	=	69.600%	
7) Chloroethane-d5	2.810	69	128547	18.698	ug/L	0.00
Spiked Amount 25.000	Range 30	- 150	Recovery	=	74.800%	
11) 1,1-Dichloroethene-d2	3.928	65	43017	19.235	ug/L	0.00
Spiked Amount 25.000	Range 45	- 110	Recovery	=	76.920%	
21) 2-Butanone-d5	6.987	46	45026	41.303	ug/L	0.00
Spiked Amount 50.000	Range 20	- 135	Recovery	=	82.600%	
24) Chloroform-d	7.575	84	192785	22.615	ug/L	0.00
Spiked Amount 25.000	Range 40	- 150	Recovery	=	90.480%	
26) 1,2-Dichloroethane-d4	8.234	65	93445	21.635	ug/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery	=	86.560%	
32) Benzene-d6	8.204	84	387002	22.228	ug/L	0.00
Spiked Amount 25.000	Range 20	- 135	Recovery	=	88.920%	
36) 1,2-Dichloropropane-d6	9.216	67	116040	21.844	ug/L	0.00
Spiked Amount 25.000	Range 70	- 120	Recovery	=	87.360%	
41) Toluene-d8	10.275	98	363577	22.688	ug/L	0.00
Spiked Amount 25.000	Range 30	- 130	Recovery	=	90.760%	
43) trans-1,3-Dichloroprop...	10.528	79	50937	21.684	ug/L	0.00
Spiked Amount 25.000	Range 30	- 135	Recovery	=	86.720%	
47) 2-Hexanone-d5	10.881	63	40283	44.007	ug/L	0.00
Spiked Amount 50.000	Range 20	- 135	Recovery	=	88.020%	
56) 1,1,2,2-Tetrachloroeth...	12.657	84	85970	22.396	ug/L	0.00
Spiked Amount 25.000	Range 45	- 120	Recovery	=	89.600%	
66) 1,2-Dichlorobenzene-d4	13.822	152	117585	21.910	ug/L	0.00
Spiked Amount 25.000	Range 75	- 120	Recovery	=	87.640%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.940	85	132082	26.158	ug/L	100
3) Chloromethane	2.152	50	157602	21.726	ug/L	98
5) Vinyl chloride	2.293	62	213192	23.595	ug/L	96
6) Bromomethane	2.705	94	111902	23.378	ug/L	100
8) Chloroethane	2.852	64	140018	24.826	ug/L	98
9) Trichlorofluoromethane	3.193	101	200582	26.028	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	3.981	101	124836	27.459	ug/L #	73
12) 1,1-Dichloroethene	3.946	96	113918	26.477	ug/L #	82
13) Acetone	4.028	43	65939	47.210	ug/L	95
14) Carbon disulfide	4.281	76	400565	26.271	ug/L	100
15) Methyl Acetate	4.569	43	44518	22.265	ug/L #	86
16) Methylene chloride	4.810	84	118265	21.058	ug/L	97
17) trans-1,2-Dichloroethene	5.322	96	124175	27.681	ug/L	96
18) Methyl tert-butyl Ether	5.322	73	239171	24.187	ug/L	99
19) 1,1-Dichloroethane	6.122	63	212836	25.174	ug/L	97
20) cis-1,2-Dichloroethene	7.087	96	128959	25.870	ug/L	97
22) 2-Butanone	7.087	43	72946m	46.403	ug/L	
23) Bromochloromethane	7.434	128	53403	25.732	ug/L	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120423\
 Data File : VD077732.D
 Acq On : 04 Dec 2023 09:00
 Operator : JC/SY
 Sample : VSTDCCC025
 Misc : 5.00G/10mL/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTD025298

Quant Time: Dec 05 00:00:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\SFAMDLM112923SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon Dec 04 03:09:24 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/05/2023
 Supervised By :Semsettin Yesilyurt 12/05/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	7.604	83	214393	25.758	ug/L	93
27) 1,2-Dichloroethane	8.328	62	129171	24.810	ug/L #	93
29) Cyclohexane	7.881	56	203458	26.672	ug/L	96
30) 1,1,1-Trichloroethane	7.798	97	191916	27.131	ug/L	99
31) Carbon tetrachloride	7.998	117	174805	28.101	ug/L	99
33) Benzene	8.257	78	499426	26.543	ug/L	100
34) Trichloroethene	9.034	95	125988	26.975	ug/L	99
35) Methylcyclohexane	9.281	83	223976	27.012	ug/L	98
37) 1,2-Dichloropropane	9.310	63	123829	25.242	ug/L	100
38) Bromodichloromethane	9.587	83	152384	25.544	ug/L	95
39) cis-1,3-Dichloropropene	10.022	75	192336	25.106	ug/L	96
40) 4-Methyl-2-pentanone	10.163	43	124090	45.839	ug/L	98
42) Toluene	10.339	91	539034	26.972	ug/L	97
44) trans-1,3-Dichloropropene	10.557	75	160748	25.122	ug/L	98
45) 1,1,2-Trichloroethane	10.739	97	86502	26.255	ug/L	96
46) Tetrachloroethene	10.810	164	102073	27.102	ug/L	98
48) 2-Hexanone	10.922	43	108148	47.001	ug/L	94
49) Dibromochloromethane	11.081	129	100166	25.568	ug/L	97
50) 1,2-Dibromoethane	11.181	107	79267	24.947	ug/L	96
51) Chlorobenzene	11.610	112	325657	26.279	ug/L	100
52) Ethylbenzene	11.686	91	593032	26.768	ug/L	100
53) m,p-Xylene	11.798	106	224639	26.835	ug/L	99
54) o-Xylene	12.128	106	213342	26.630	ug/L	97
55) Styrene	12.139	104	375373	26.777	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.681	83	96654	24.758	ug/L	100
59) Bromoform	12.304	173	64020	25.792	ug/L #	97
60) Isopropylbenzene	12.428	105	594807	26.565	ug/L	100
61) 1,2,3-Trichloropropane	12.728	75	65948	23.900	ug/L	96
62) 1,3,5-Trimethylbenzene	12.910	105	437435	26.011	ug/L	98
63) 1,2,4-Trimethylbenzene	13.216	105	448066	26.277	ug/L	99
64) 1,3-Dichlorobenzene	13.463	146	252663	26.092	ug/L	99
65) 1,4-Dichlorobenzene	13.539	146	262905	26.165	ug/L	98
67) 1,2-Dichlorobenzene	13.833	146	223277	25.624	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.451	75	14461	22.226	ug/L	92
69) 1,3,5-Trichlorobenzene	14.598	180	173411	26.299	ug/L	99
70) 1,2,4-trichlorobenzene	15.104	180	142520	25.460	ug/L	98
71) Naphthalene	15.339	128	251630	24.588	ug/L	100
72) 1,2,3-Trichlorobenzene	15.527	180	121030	24.664	ug/L	99

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

