

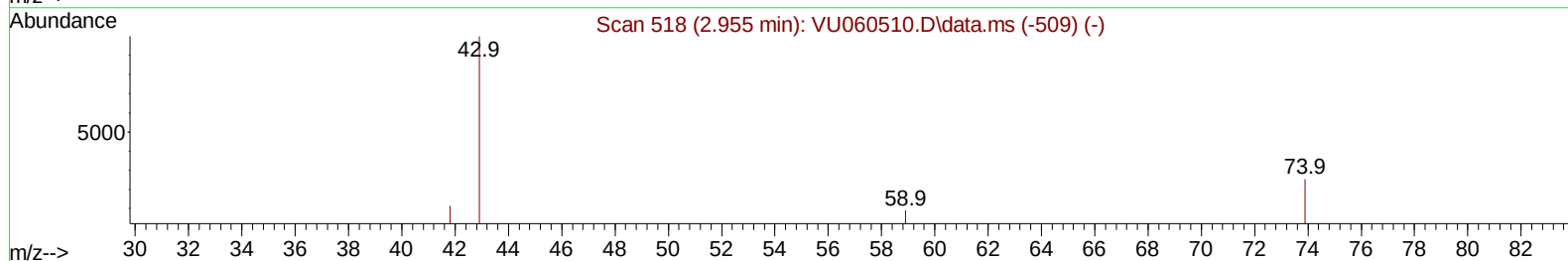
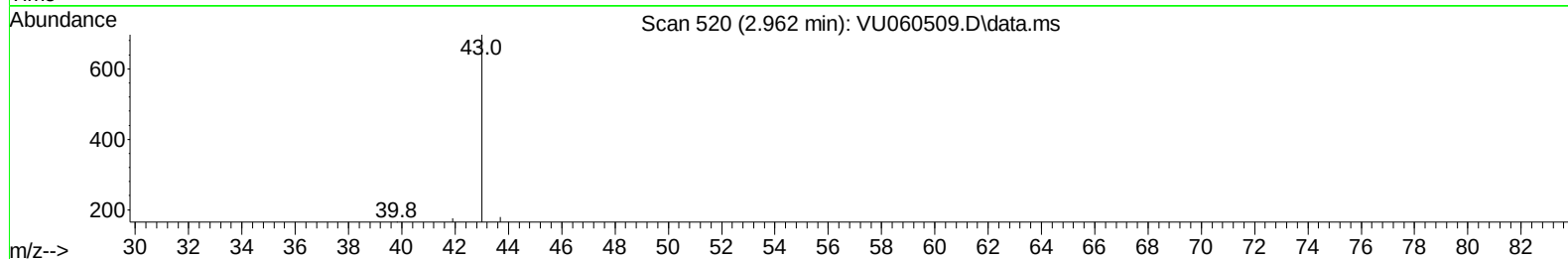
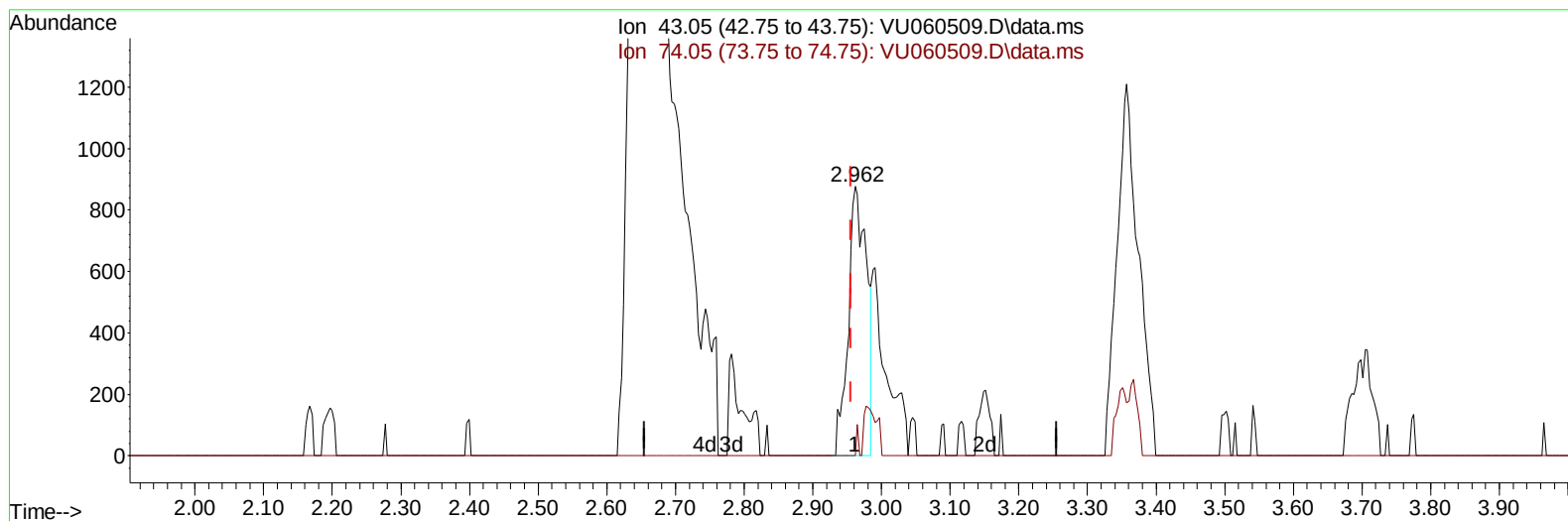
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082324\
Data File : VU060509.D
Acq On : 23 Aug 2024 12:42
Operator : MD/SY
Sample : VSTD00113
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD001013

Manual IntegrationsAPPROVED

Reviewed By :Semsettin Yesilyurt 08/26/2024
Supervised By :Mahesh Dadoda 08/27/2024

Quant Time: Aug 24 01:18:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR082324WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Aug 24 01:18:00 2024
Response via : Initial Calibration



TIC: VU060509.D\data.ms

(15) Methyl Acetate (T)

2.962min (+ 0.006) 0.64 ug/L

response 1645

Ion	Exp%	Act%
43.05	100.00	100.00
74.05	26.80	1.22#
0.00	0.00	0.00
0.00	0.00	0.00

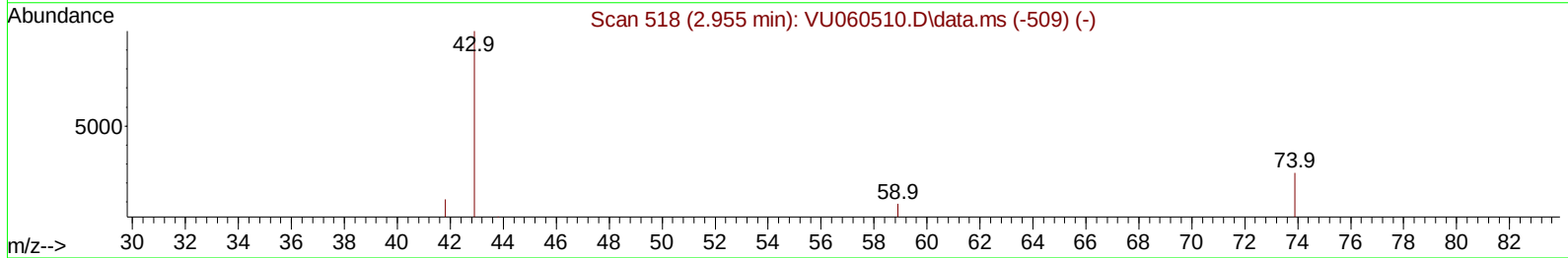
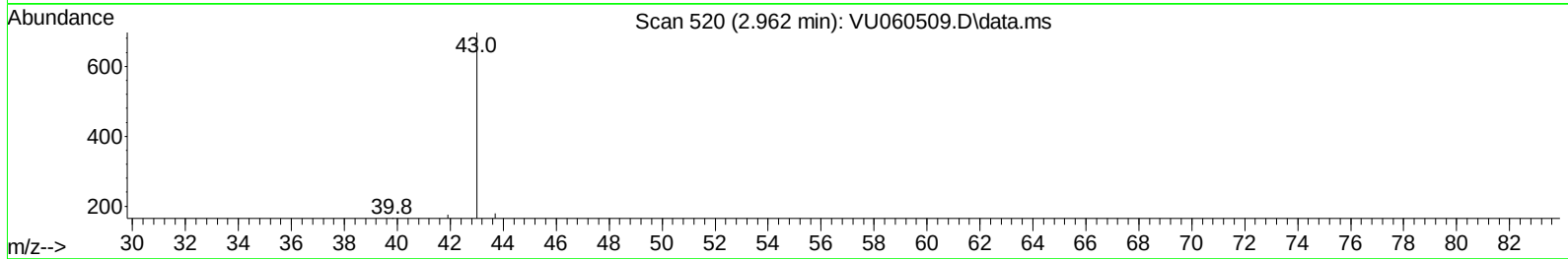
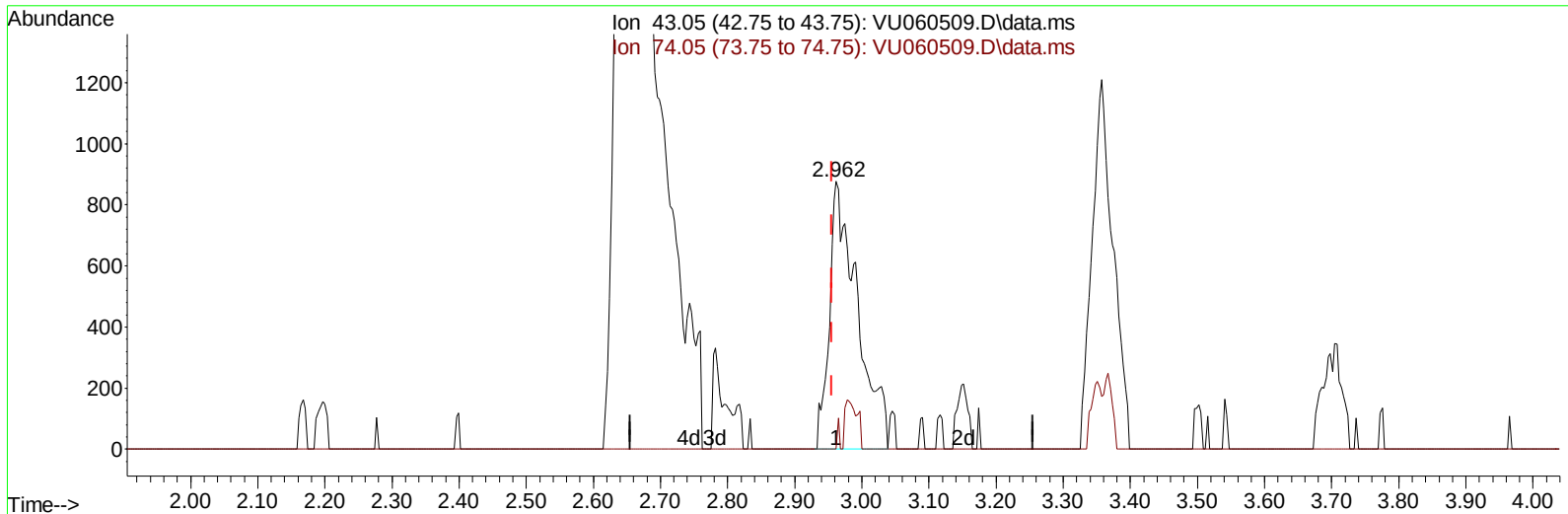
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082324\
Data File : VU060509.D
Acq On : 23 Aug 2024 12:42
Operator : MD/SY
Sample : VSTD00113
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD001013

Manual IntegrationsAPPROVED

Reviewed By :Semsettin Yesilyurt 08/26/2024
Supervised By :Mahesh Dadoda 08/27/2024

Quant Time: Aug 24 01:18:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR082324WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Aug 24 01:18:00 2024
Response via : Initial Calibration



TIC: VU060509.D\data.ms

(15) Methyl Acetate (T)

2.962min (+ 0.006) 0.99 ug/L m

response 2538

Ion	Exp%	Act%
43.05	100.00	100.00
74.05	26.80	0.79#
0.00	0.00	0.00
0.00	0.00	0.00

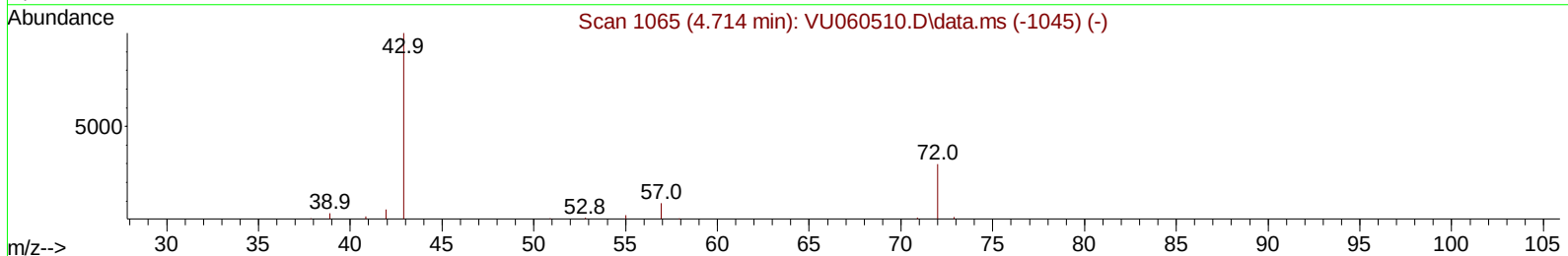
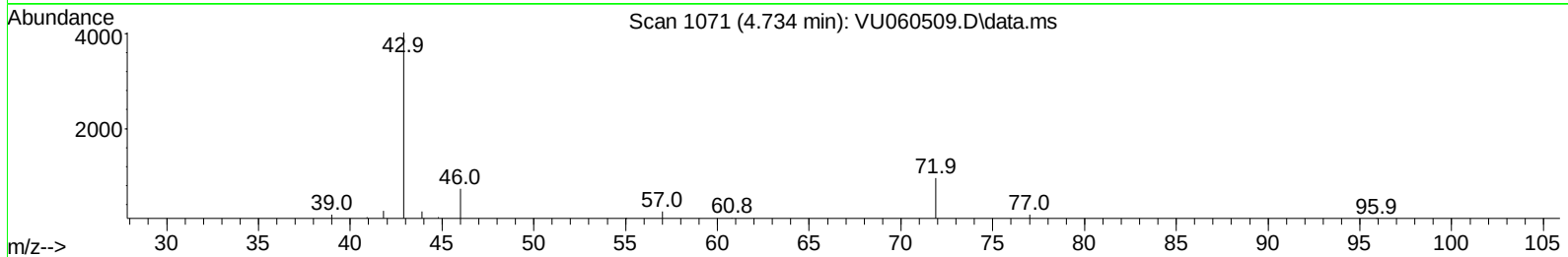
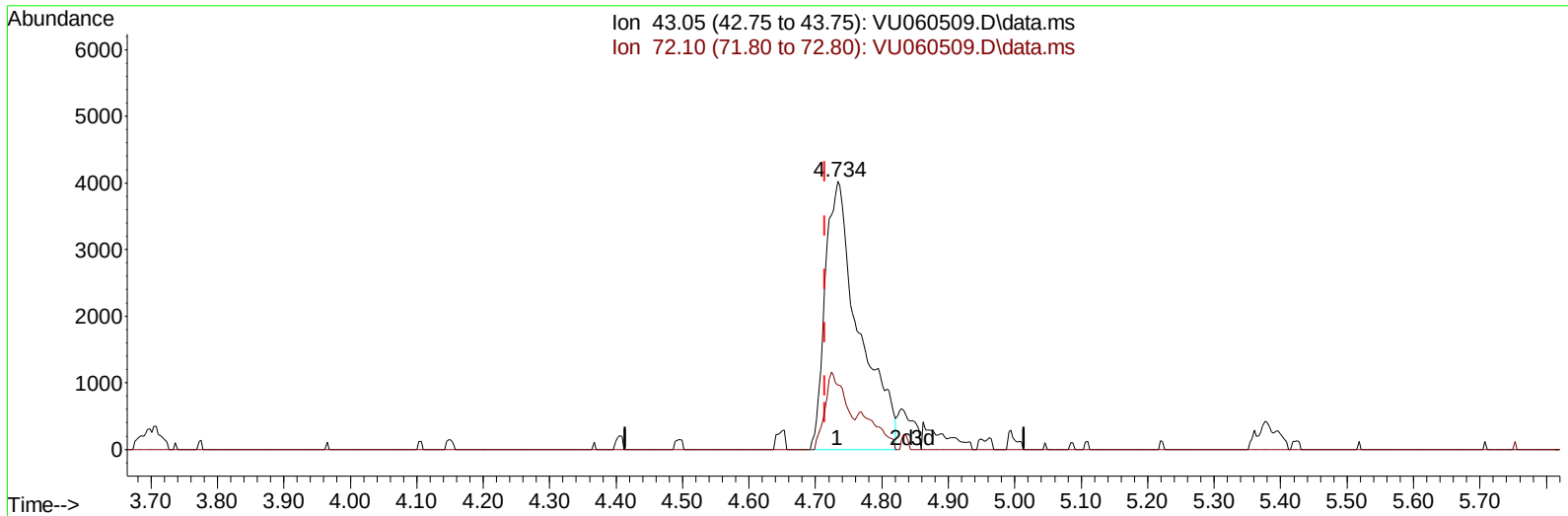
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082324\
Data File : VU060509.D
Acq On : 23 Aug 2024 12:42
Operator : MD/SY
Sample : VSTD00113
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD001013

Manual IntegrationsAPPROVED

Reviewed By :Semsettin Yesilyurt 08/26/2024
Supervised By :Mahesh Dadoda 08/27/2024

Quant Time: Aug 24 01:18:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR082324WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Aug 24 01:18:00 2024
Response via : Initial Calibration



TIC: VU060509.D\data.ms

(21) 2-Butanone (T)

4.734min (+ 0.019) 8.10 ug/L

response 14142

Ion	Exp%	Act%
43.05	100.00	100.00
72.10	28.00	17.93
0.00	0.00	0.00
0.00	0.00	0.00

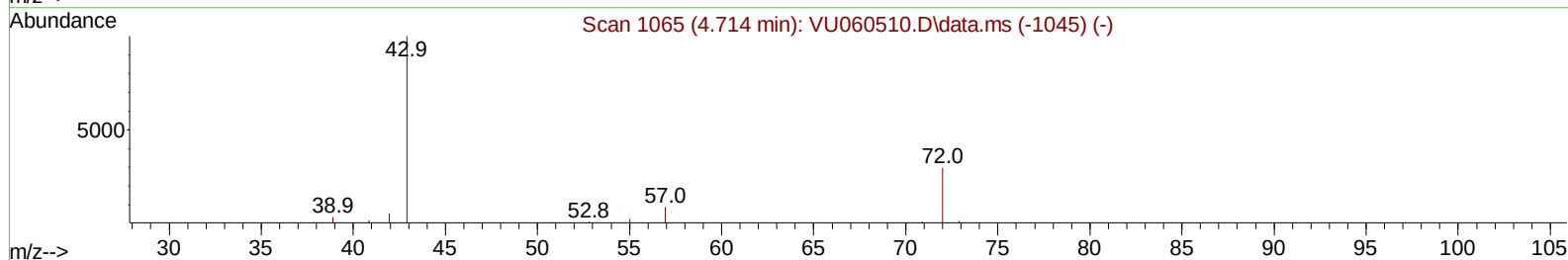
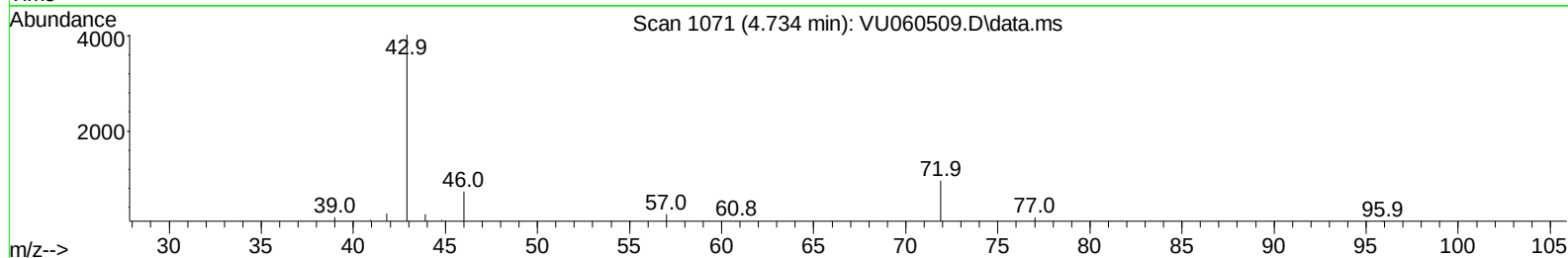
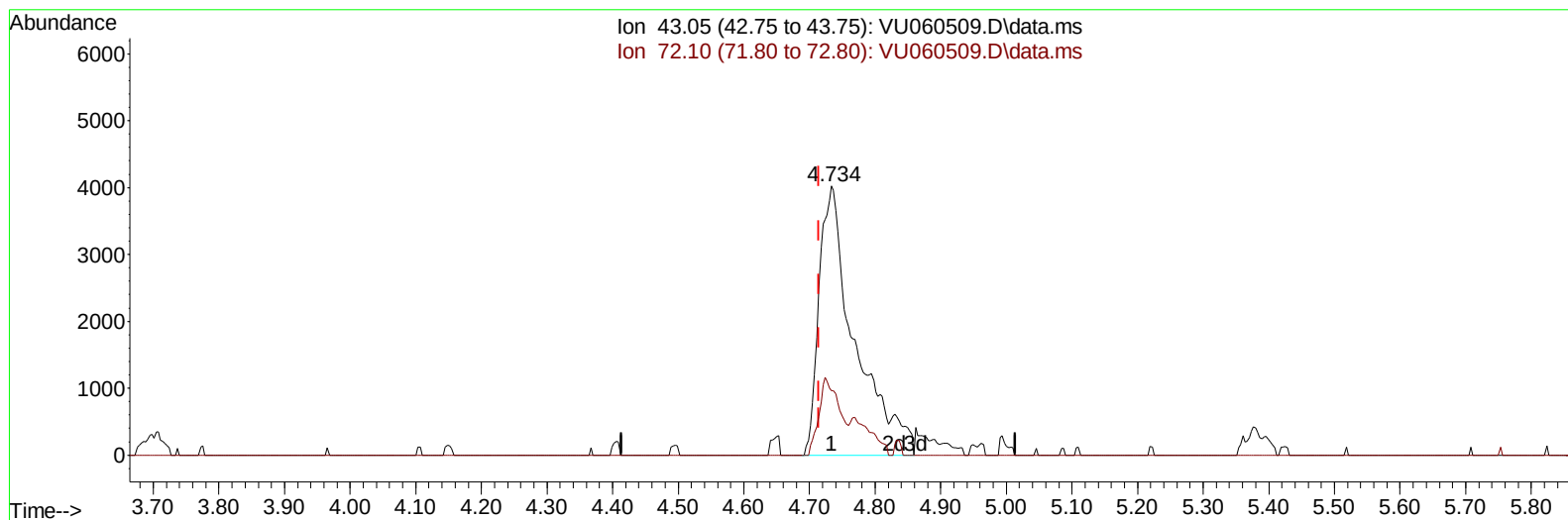
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082324\
Data File : VU060509.D
Acq On : 23 Aug 2024 12:42
Operator : MD/SY
Sample : VSTD00113
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD001013

Manual IntegrationsAPPROVED

Reviewed By :Semsettin Yesilyurt 08/26/2024
Supervised By :Mahesh Dadoda 08/27/2024

Quant Time: Aug 24 01:18:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR082324WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Aug 24 01:18:00 2024
Response via : Initial Calibration



TIC: VU060509.D\data.ms

(21) 2-Butanone (T)

4.734min (+ 0.019) 8.67 ug/L m

response 15140

Ion	Exp%	Act%
43.05	100.00	100.00
72.10	28.00	16.75
0.00	0.00	0.00
0.00	0.00	0.00

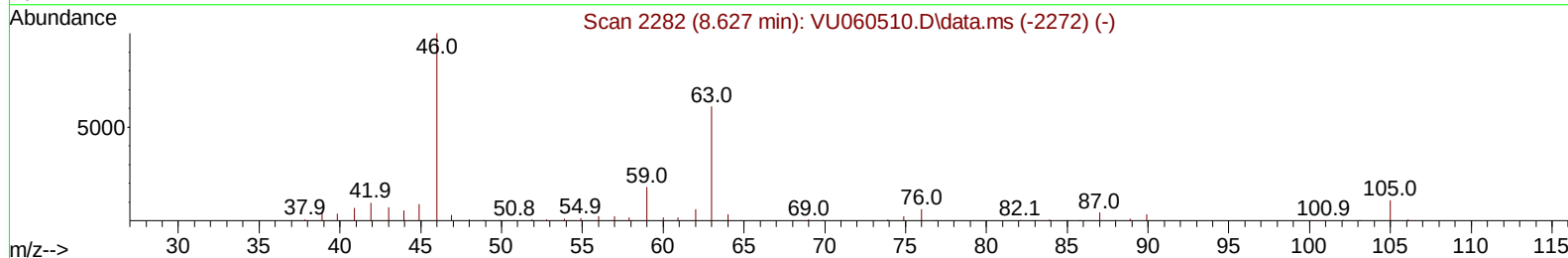
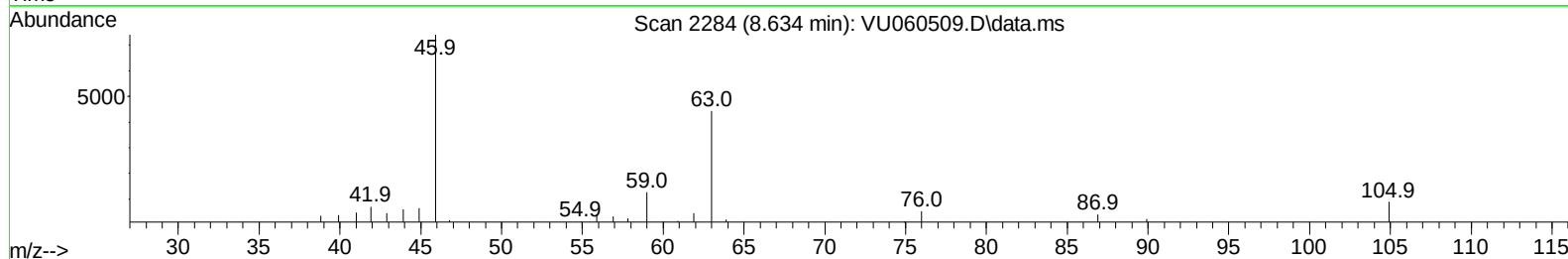
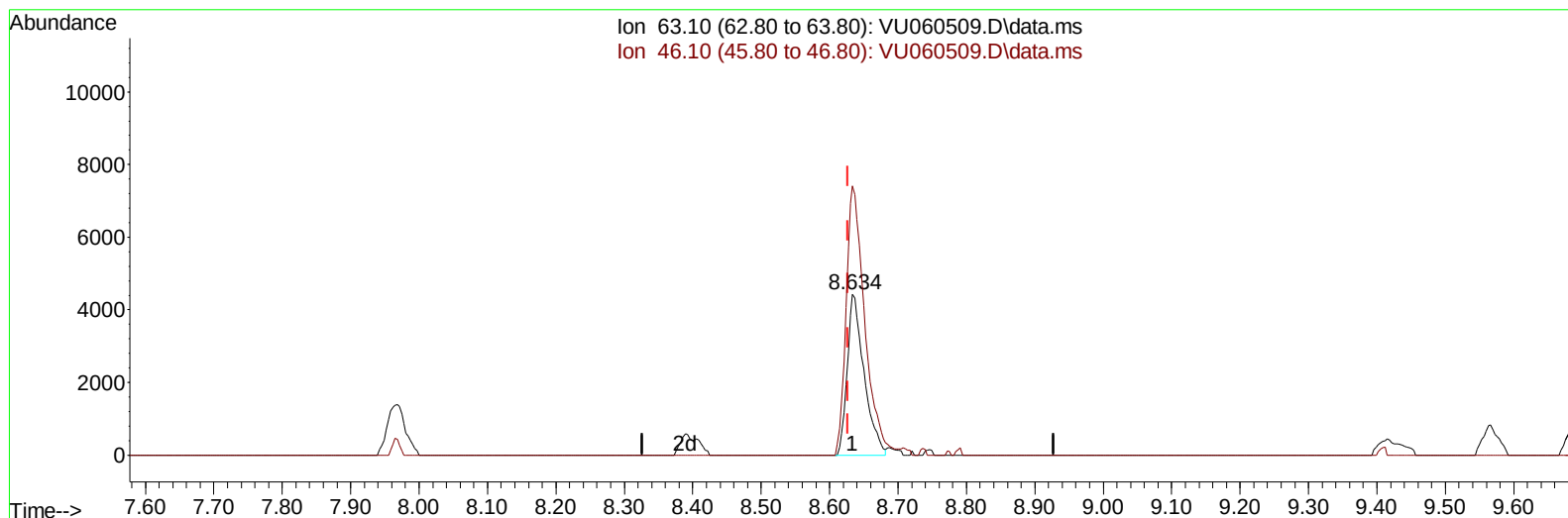
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082324\
Data File : VU060509.D
Acq On : 23 Aug 2024 12:42
Operator : MD/SY
Sample : VSTD00113
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD001013

Manual IntegrationsAPPROVED

Reviewed By :Semsettin Yesilyurt 08/26/2024
Supervised By :Mahesh Dadoda 08/27/2024

Quant Time: Aug 24 01:18:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR082324WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Aug 24 01:18:00 2024
Response via : Initial Calibration



TIC: VU060509.D\data.ms

(46) 2-Hexanone-d5 (S)

8.634min (+ 0.006) 6.76 ug/L

response 7602

Ion	Exp%	Act%
63.10	100.00	100.00
46.10	172.80	185.85
0.00	0.00	0.00
0.00	0.00	0.00

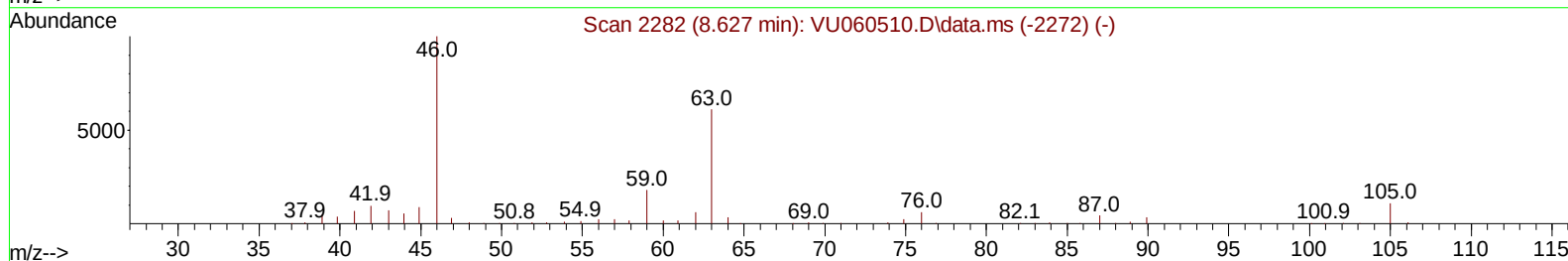
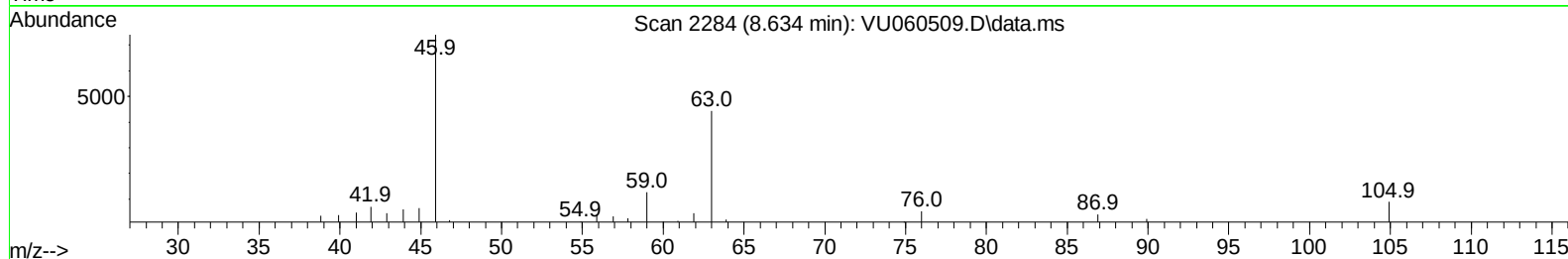
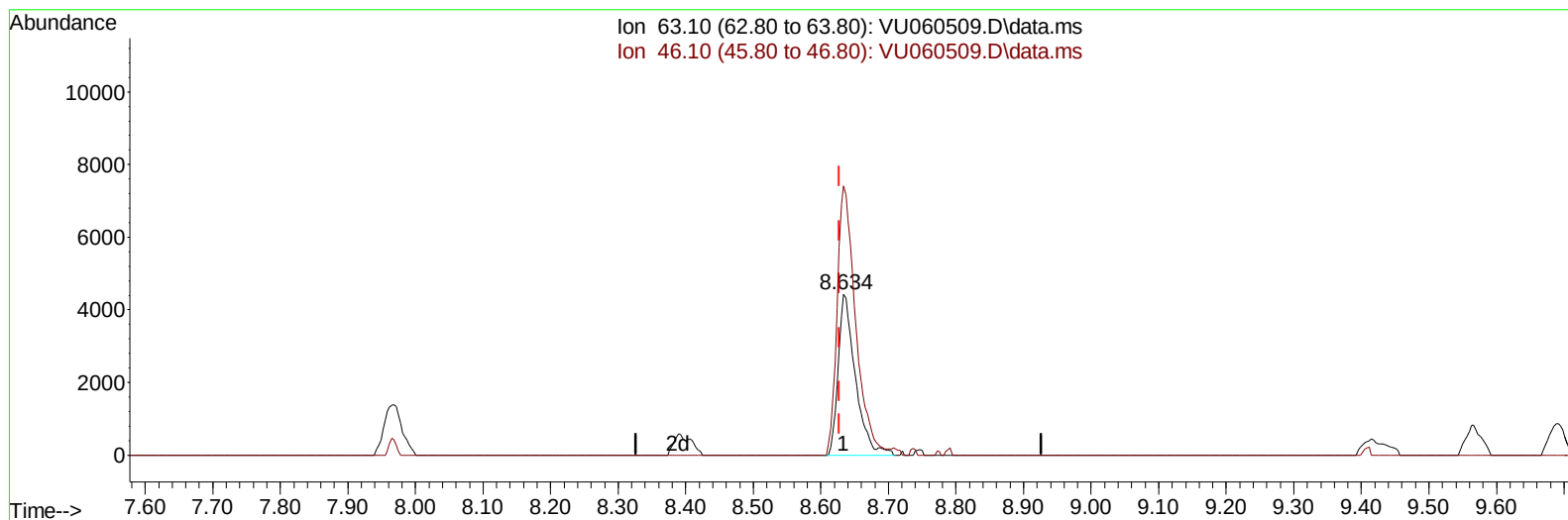
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082324\
Data File : VU060509.D
Acq On : 23 Aug 2024 12:42
Operator : MD/SY
Sample : VSTD00113
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD001013

Manual IntegrationsAPPROVED

Reviewed By :Semsettin Yesilyurt 08/26/2024
Supervised By :Mahesh Dadoda 08/27/2024

Quant Time: Aug 24 01:18:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR082324WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Aug 24 01:18:00 2024
Response via : Initial Calibration



TIC: VU060509.D\data.ms

(46) 2-Hexanone-d5 (S)

8.634min (+ 0.006) 6.95 ug/L m

response 7814

Ion	Exp%	Act%
63.10	100.00	100.00
46.10	172.80	180.80
0.00	0.00	0.00
0.00	0.00	0.00

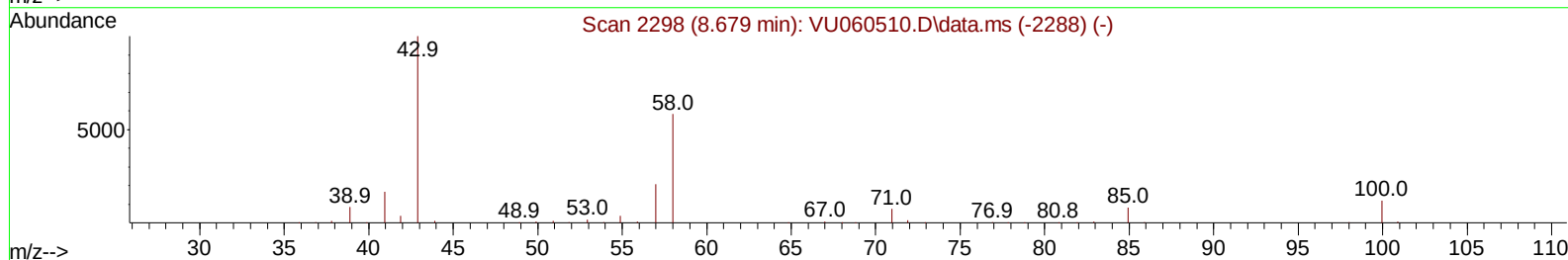
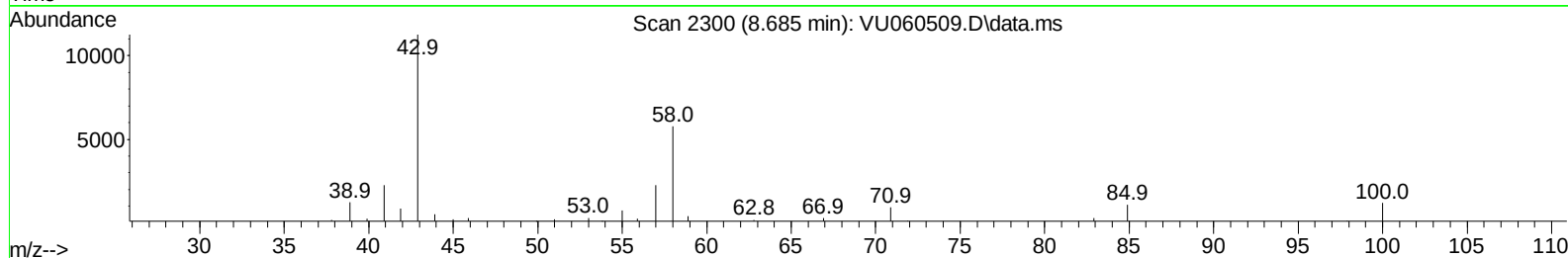
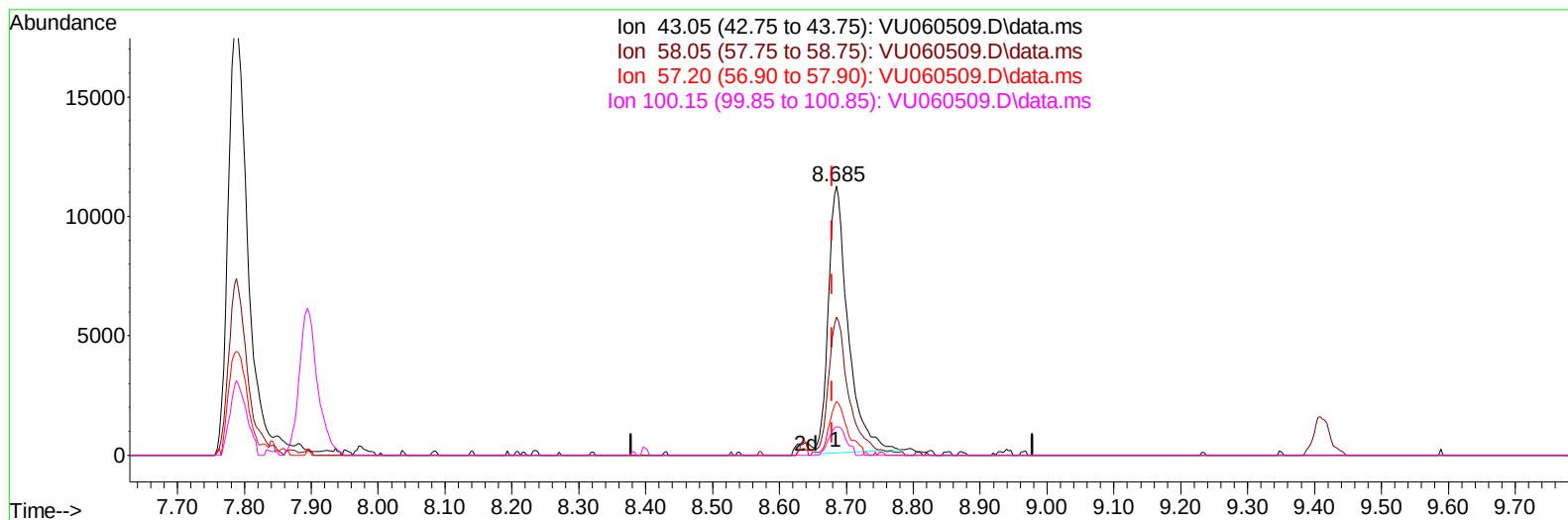
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082324\
Data File : VU060509.D
Acq On : 23 Aug 2024 12:42
Operator : MD/SY
Sample : VSTD00113
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD001013

Manual IntegrationsAPPROVED

Reviewed By :Semsettin Yesilyurt 08/26/2024
Supervised By :Mahesh Dadoda 08/27/2024

Quant Time: Aug 24 01:18:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR082324WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Aug 24 01:18:00 2024
Response via : Initial Calibration



TIC: VU060509.D\data.ms

(48) 2-Hexanone (T)

8.685min (+ 0.006) 7.93 ug/L

response 22926

Ion	Exp%	Act%
43.05	100.00	100.00
58.05	57.00	50.93
57.20	19.50	18.75
100.15	12.00	9.37#

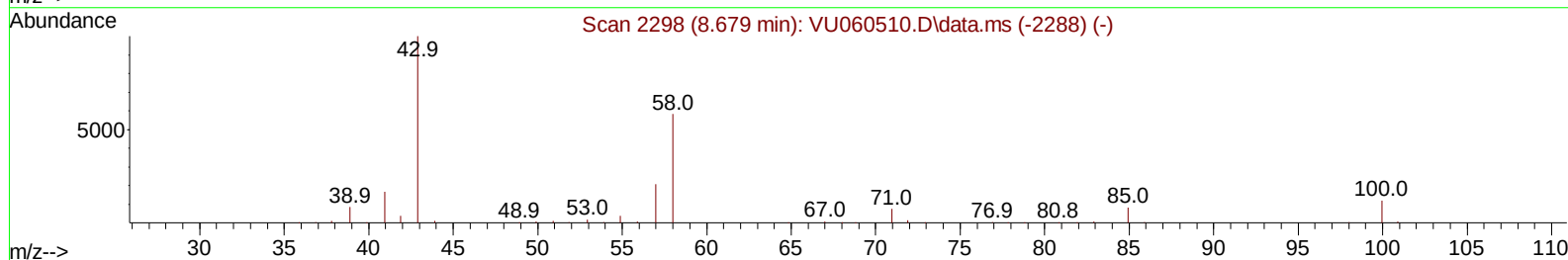
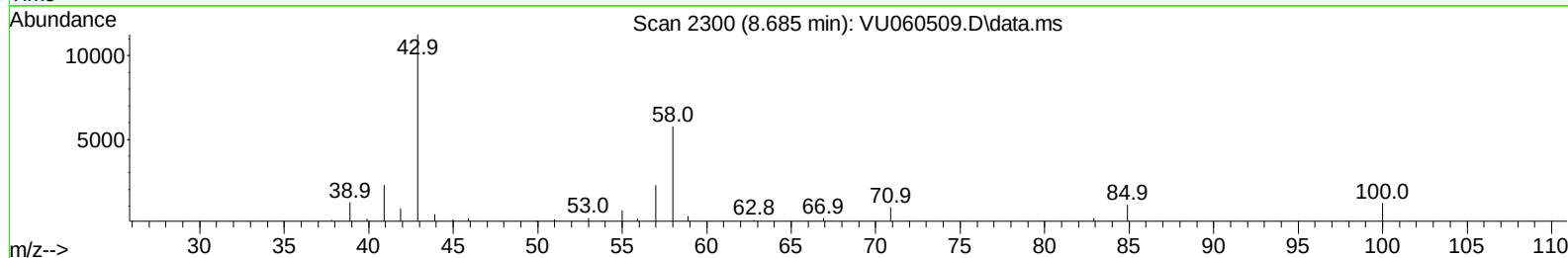
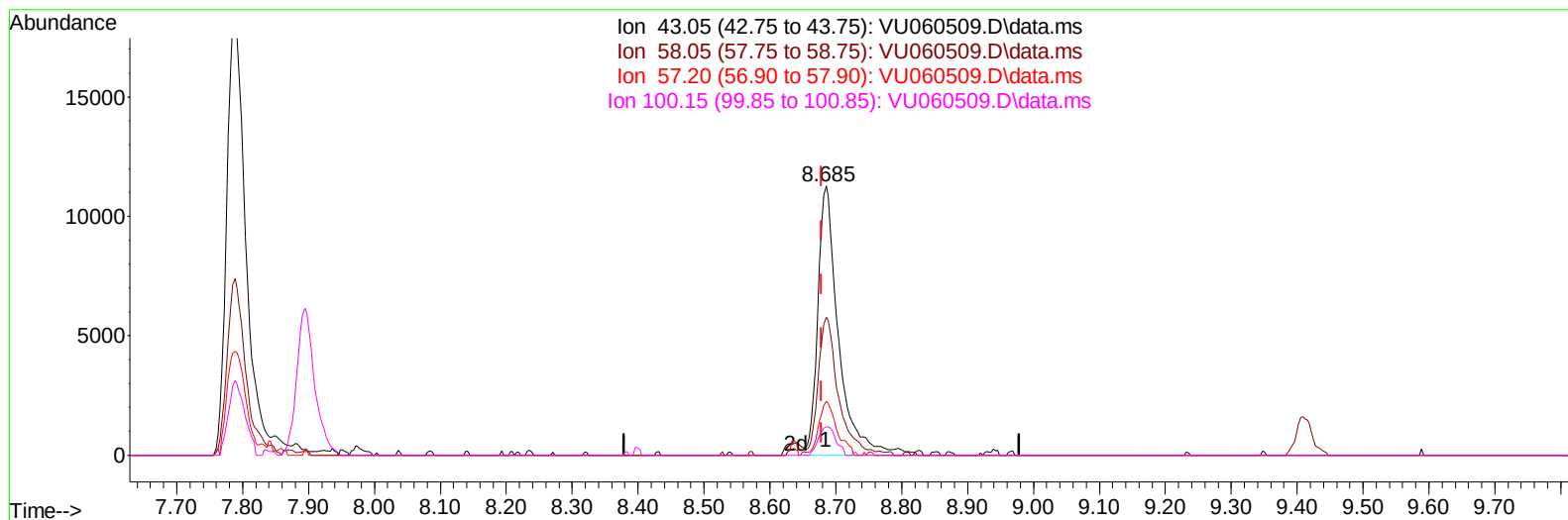
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082324\
Data File : VU060509.D
Acq On : 23 Aug 2024 12:42
Operator : MD/SY
Sample : VSTD00113
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD001013

Manual IntegrationsAPPROVED

Quant Time: Aug 24 01:18:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR082324WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Aug 24 01:18:00 2024
Response via : Initial Calibration

Reviewed By :Semsettin Yesilyurt 08/26/2024
Supervised By :Mahesh Dadoda 08/27/2024



TIC: VU060509.D\data.ms

(48) 2-Hexanone (T)

8.685min (+ 0.006) 8.44 ug/L m

response 24400

Ion	Exp%	Act%
43.05	100.00	100.00
58.05	57.00	47.85
57.20	19.50	17.62
100.15	12.00	8.81#

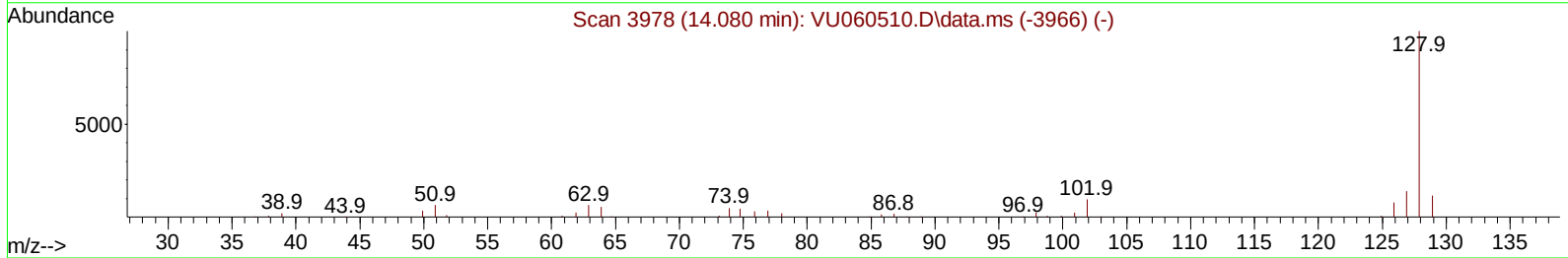
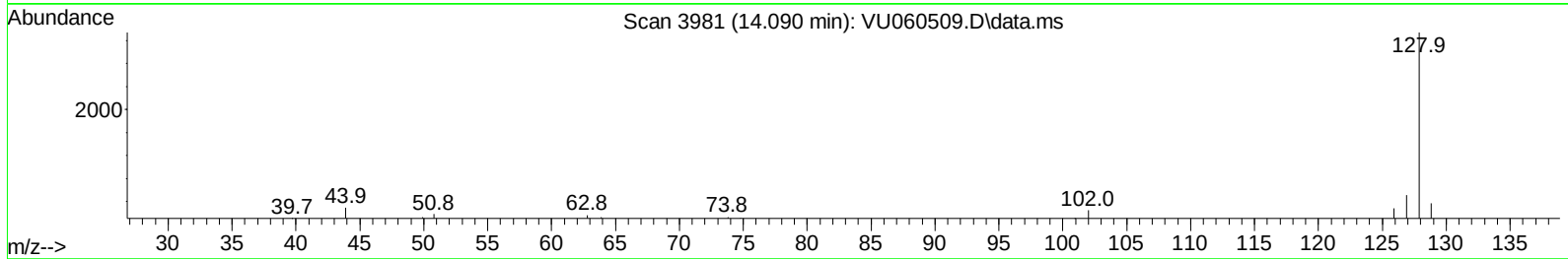
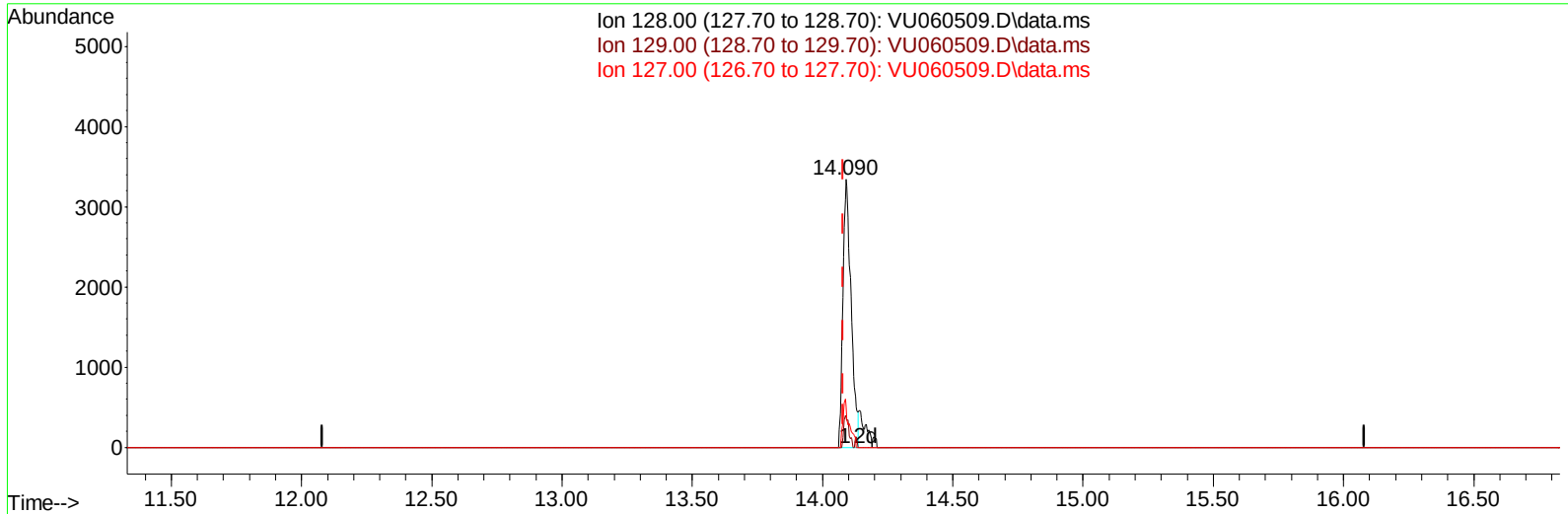
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082324\
Data File : VU060509.D
Acq On : 23 Aug 2024 12:42
Operator : MD/SY
Sample : VSTD00113
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD001013

Manual IntegrationsAPPROVED

Reviewed By :Semsettin Yesilyurt 08/26/2024
Supervised By :Mahesh Dadoda 08/27/2024

Quant Time: Aug 24 01:18:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR082324WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Aug 24 01:18:00 2024
Response via : Initial Calibration



TIC: VU060509.D\data.ms

(71) Naphthalene (MA)

14.090min (+ 0.010) 0.62 ug/L

response 7210

Ion	Exp%	Act%
128.00	100.00	100.00
129.00	10.60	7.67#
127.00	12.70	13.86
0.00	0.00	0.00

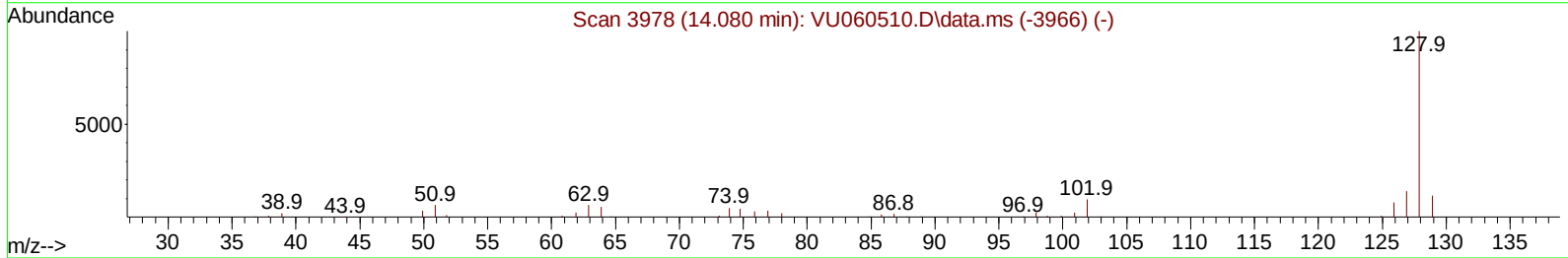
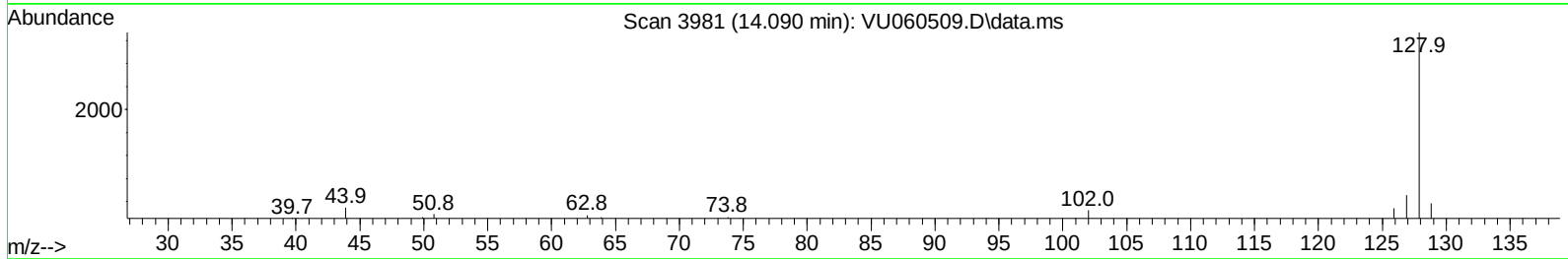
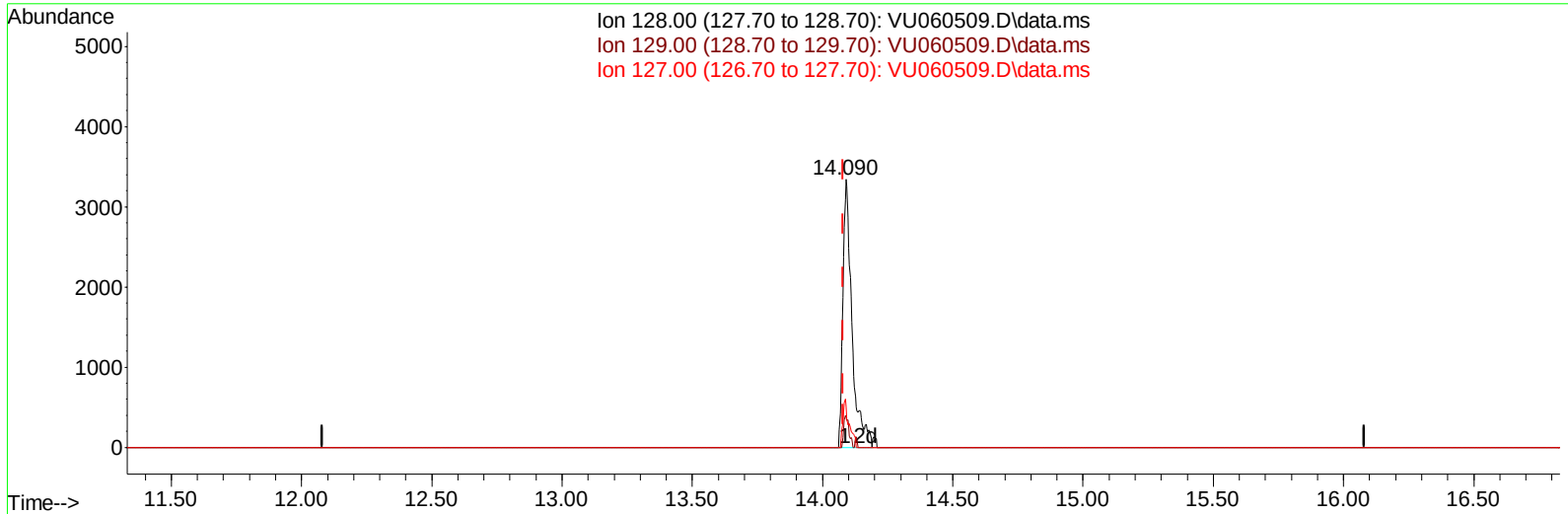
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082324\
Data File : VU060509.D
Acq On : 23 Aug 2024 12:42
Operator : MD/SY
Sample : VSTD00113
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD001013

Manual IntegrationsAPPROVED

Reviewed By :Semsettin Yesilyurt 08/26/2024
Supervised By :Mahesh Dadoda 08/27/2024

Quant Time: Aug 24 01:18:58 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR082324WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Aug 24 01:18:00 2024
Response via : Initial Calibration



TIC: VU060509.D\data.ms

(71) Naphthalene (MA)

14.090min (+ 0.010) 0.69 ug/L m

response 8067

Ion	Exp%	Act%
128.00	100.00	100.00
129.00	10.60	6.86#
127.00	12.70	12.38
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082324\
 Data File : VU060509.D
 Acq On : 23 Aug 2024 12:42
 Operator : MD/SY
 Sample : VSTD00113
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD001013

Manual IntegrationsAPPROVED

Quant Time: Aug 24 01:18:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR082324WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Aug 24 01:18:00 2024
 Response via : Initial Calibration

Reviewed By :Semsettin Yesilyurt 08/26/2024
 Supervised By :Mahesh Dadoda 08/27/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	100482	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	93011	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	44766	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	5776	1.301	ug/L	0.00
7) Chloroethane-d5	1.910	69	6178	0.919	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.557	65	2556	0.977	ug/L	0.00
20) 2-Butanone-d5	4.650	46	14633	9.588	ug/L	0.02
24) Chloroform-d	5.055	84	10602	0.838	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.701	65	5845	0.885	ug/L	0.00
32) Benzene-d6	5.727	84	20703	1.018	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.688	67	6417	0.978	ug/L	0.00
41) Toluene-d8	7.897	98	19835	1.040	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.180	79	2176	0.927	ug/L	0.00
46) 2-Hexanone-d5	8.634	63	7814m	6.950	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.749	84	5020	0.860	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.187	152	6380	0.967	ug/L	0.00
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	10599	0.930	ug/L	97
3) Chloromethane	1.518	50	12344	1.249	ug/L	98
5) Vinyl chloride	1.602	62	12291	1.263	ug/L	91
6) Bromomethane	1.856	94	8400	0.858	ug/L	97
8) Chloroethane	1.930	64	7705	0.868	ug/L	98
9) Trichlorofluoromethane	2.136	101	18253	0.863	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	9176	1.026	ug/L	98
12) 1,1-Dichloroethene	2.576	96	8203	0.996	ug/L	96
13) Acetone	2.650	43	12608	9.789	ug/L	71
14) Carbon disulfide	2.788	76	27229	1.019	ug/L	97
15) Methyl Acetate	2.962	43	2538m	0.988	ug/L	
16) Methylene chloride	3.039	84	7340	0.918	ug/L	92
17) Methyl tert-butyl Ether	3.361	73	13953	0.835	ug/L	99
18) trans-1,2-Dichloroethene	3.354	96	5954	0.830	ug/L	95
19) 1,1-Dichloroethane	3.862	63	13359	0.919	ug/L	96
21) 2-Butanone	4.734	43	15140m	8.669	ug/L	
22) cis-1,2-Dichloroethene	4.666	96	7596	0.951	ug/L	93
23) Bromochloromethane	4.968	128	2849	0.785	ug/L	92
25) Chloroform	5.084	83	13474	0.876	ug/L	98
27) 1,2-Dichloroethane	5.795	62	10101	0.979	ug/L #	93
29) 1,1,1-Trichloroethane	5.306	97	11970	0.940	ug/L	98
30) Cyclohexane	5.380	56	8668	0.822	ug/L #	94
31) Carbon tetrachloride	5.518	117	10930	0.928	ug/L	99
33) Benzene	5.769	78	30170	1.023	ug/L	100
34) Trichloroethene	6.541	95	7138	0.893	ug/L	90
35) Methylcyclohexane	6.756	83	9164	0.835	ug/L	99
37) 1,2-Dichloropropane	6.782	63	7078	0.936	ug/L #	91
38) Bromodichloromethane	7.103	83	9025	0.909	ug/L	99
39) cis-1,3-Dichloropropene	7.605	75	10949	0.988	ug/L	89
40) 4-Methyl-2-pentanone	7.788	43	36329	9.228	ug/L	98
42) Toluene	7.965	91	30806	0.988	ug/L	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082324\
 Data File : VU060509.D
 Acq On : 23 Aug 2024 12:42
 Operator : MD/SY
 Sample : VSTD00113
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD001013

Manual IntegrationsAPPROVED

Reviewed By :Semsettin Yesilyurt 08/26/2024
 Supervised By :Mahesh Dadoda 08/27/2024

Quant Time: Aug 24 01:18:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR082324WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Aug 24 01:18:00 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	8.209	75	7808	0.858	ug/L	98
45) 1,1,2-Trichloroethane	8.396	97	5337	0.975	ug/L	96
47) Tetrachloroethene	8.550	164	5488	0.837	ug/L	98
48) 2-Hexanone	8.685	43	24400m	8.435	ug/L	
49) Dibromochloromethane	8.804	129	5958	0.940	ug/L	89
50) 1,2-Dibromoethane	8.917	107	4641	0.923	ug/L #	94
51) Chlorobenzene	9.441	112	18003	0.892	ug/L	95
52) Ethylbenzene	9.566	91	27304	0.827	ug/L	99
53) m,p-Xylene	9.692	106	9874	0.804	ug/L	89
54) o-Xylene	10.093	106	12156	0.967	ug/L	94
55) Styrene	10.113	104	18353	0.891	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.775	83	6054	0.866	ug/L #	86
59) Bromoform	10.290	173	4402	1.197	ug/L	93
60) Isopropylbenzene	10.479	105	25016	0.836	ug/L	98
61) 1,2,3-Trichloropropane	10.820	75	4267	0.988	ug/L	95
62) 1,3,5-Trimethylbenzene	11.084	105	20000	0.897	ug/L	96
63) 1,2,4-Trimethylbenzene	11.463	105	18159	0.799	ug/L	96
64) 1,3-Dichlorobenzene	11.743	146	13329	0.911	ug/L	89
65) 1,4-Dichlorobenzene	11.833	146	14008	0.943	ug/L	96
67) 1,2-Dichlorobenzene	12.209	146	12148	0.885	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.997	75	840	0.862	ug/L #	85
69) 1,3,5-Trichlorobenzene	13.219	180	10376	0.919	ug/L	92
70) 1,2,4-trichlorobenzene	13.839	180	6980	0.767	ug/L	93
71) Naphthalene	14.090	128	8067m	0.693	ug/L	
72) 1,2,3-Trichlorobenzene	14.325	180	5838	0.766	ug/L	99

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

