LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU103122\
Data File : VU051612.D
Acq On : 31 Oct 2022 15:30
Operator : JC/MD
Sample : N5319-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BHAA6

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Title : TRACE VOA SFAM1.0

Signal : TIC: VU051612.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.466	31	39	52	rBV	210990	346667	31.17%	3.518%
2	1.597	74	80	87	rBV	79716	88580	7.97%	0.899%
3	1.909	170	177	195	rVB2	95926	144067	12.96%	1.462%
4	2.375	315	322	339	rVB2	57684	100682	9.05%	1.022%
5	2.562	368	380	394	rBV	118478	193998	17.45%	1.969%
6	2.629	394	401	424	rVB3	6938	15920	1.43%	0.162%
7	2.758	430	441	458	rBV2	13089	30102	2.71%	0.305%
8	3.041	519	529	534	rBV4	14908	26112	2.35%	0.265%
9	3.179	560	572	589	rVB	20864	48487	4.36%	0.492%
10	3.356	613	627	644	rBV4	39809	88234	7.93%	0.895%
11	3.883	759	791	807	rBV	12047	55142	4.96%	0.560%
12	3.990	807	824	847	rVV2	110344	284481	25.58%	2.887%
13	4.526	974	991	1006	rBV2	60165	143400	12.90%	1.455%
14	4.620	1008	1020	1053	rBV	211260	536165	48.21%	5.441%
15	5.060	1140	1157	1189	rBV	179639	420461	37.81%	4.267%
16	5.382	1246	1257	1275	rBV7	10057	23352	2.10%	0.237%
17	5.723	1342	1363	1393	rBV2	311430	883986	79.49%	8.971%
18	6.247	1512	1526	1547	rBV	228162	435191	39.13%	4.416%
19	6.687	1649	1663	1679	rBV	218342	435818	39.19%	4.423%
20	7.163	1798	1811	1828	rBV8	6327	16863	1.52%	0.171%
21	7.565	1918	1936	1952	rBV	65590	119290	10.73%	1.211%
22	7.710	1970	1981	1994	rVB8	5321	11394	1.02%	0.116%
23	7.896	2026	2039	2056	rBV	288502	497691	44.75%	5.051%
24	8.179	2116	2127	2139	rBV2	42074	71015	6.39%	0.721%
25	8.472	2206	2218	2228	rBV3	7473	13238	1.19%	0.134%
26	8.632	2256	2268	2304	rBV2	593725	1112035	100.00%	11.285%
27	9.417	2495	2512	2516	rBV	355751	583715	52.49%	5.924%
28	9.443	2517	2520	2551	rVB	387772	552778	49.71%	5.610%
29	9.693	2584	2598	2611	rVB	7253	16038	1.44%	0.163%
30	10.755	2915	2928	2941	rBV	200825	326362	29.35%	3.312%
31	10.890	2957	2970	2982	rBV4	24386	44903	4.04%	0.456%
32	11.028	3003	3013	3023	rVB6	17104	27797	2.50%	0.282%
33	11.291	3082	3095	3110	rVB2	10422	18226	1.64%	0.185%
34	11.417	3125	3134	3142	rBV2	10859	16426	1.48%	0.167%
35	11.607	3183	3193	3199	rBV3	11510	19318	1.74%	0.196%
36	11.809	3245	3256	3274	rBV2	309468	593164	53.34%	6.019%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU103122\
Data File : VU051612.D
Acq On : 31 Oct 2022 15:30
Operator : JC/MD
Sample : N5319-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BHAA6

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.1 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Title : TRACE VOA SFAM1.0

37	12.092	3325	3344	3359	rBV	82149	144197	12.97%	1.463%
38	12.192	3363	3375	3397	rVV2	330263	613421	55.16%	6.225%
39	12.565	3481	3491	3498	rBV6	6472	12654	1.14%	0.128%
40	12.616	3499	3507	3520	rVB10	14565	32998	2.97%	0.335%
41	12.761	3545	3552	3563	rVB4	9553	16859	1.52%	0.171%
42	12.861	3564	3583	3596	rVV3	62654	119649	10.76%	1.214%
43	12.941	3599	3608	3613	rVV5	14137	22977	2.07%	0.233%
44	12.973	3614	3618	3628	rVB4	13655	18845	1.69%	0.191%
45	13.115	3654	3662	3673	rVB3	14473	20989	1.89%	0.213%
46	13.250	3682	3704	3711	rBV4	17295	32869	2.96%	0.334%
47	13.327	3720	3728	3736	rVB2	13494	21467	1.93%	0.218%
48	13.523	3780	3789	3799	rBV4	10141	15241	1.37%	0.155%
49	13.590	3799	3810	3825	rBV4	10269	20210	1.82%	0.205%
50	13.748	3849	3859	3875	rBV4	7574	18929	1.70%	0.192%
51	13.835	3875	3886	3893	rBV9	9722	17900	1.61%	0.182%
52	13.880	3893	3900	3903	rBV3	17757	22364	2.01%	0.227%
53	13.909	3904	3909	3915	rVB2	23431	28533	2.57%	0.290%
54	14.063	3948	3957	3963	rBV6	7156	12601	1.13%	0.128%
55	14.111	3965	3972	3985	rVB8	6600	13839	1.24%	0.140%
56	14.188	3987	3996	4007	rVB3	22566	36153	3.25%	0.367%
57	14.282	4009	4025	4036	rBV2	32724	60736	5.46%	0.616%
58	14.346	4037	4045	4055	rVB5	11029	20497	1.84%	0.208%
59	14.516	4090	4098	4107	rVB7	10661	15331	1.38%	0.156%
60	14.806	4180	4188	4198	rVB	20855	32668	2.94%	0.332%
61	14.877	4200	4210	4220	rVB	12984	25306	2.28%	0.257%
62	15.024	4246	4256	4267	rBV5	13372	26472	2.38%	0.269%
63	15.266	4324	4331	4339	rBV6	9729	15552	1.40%	0.158%
64	15.423	4368	4380	4388	rVB4	21062	39503	3.55%	0.401%
65	15.922	4526	4535	4545	rVB9	6520	14013	1.26%	0.142%
66	16.883	4827	4834	4844	rVB4	13191	20280	1.82%	0.206%

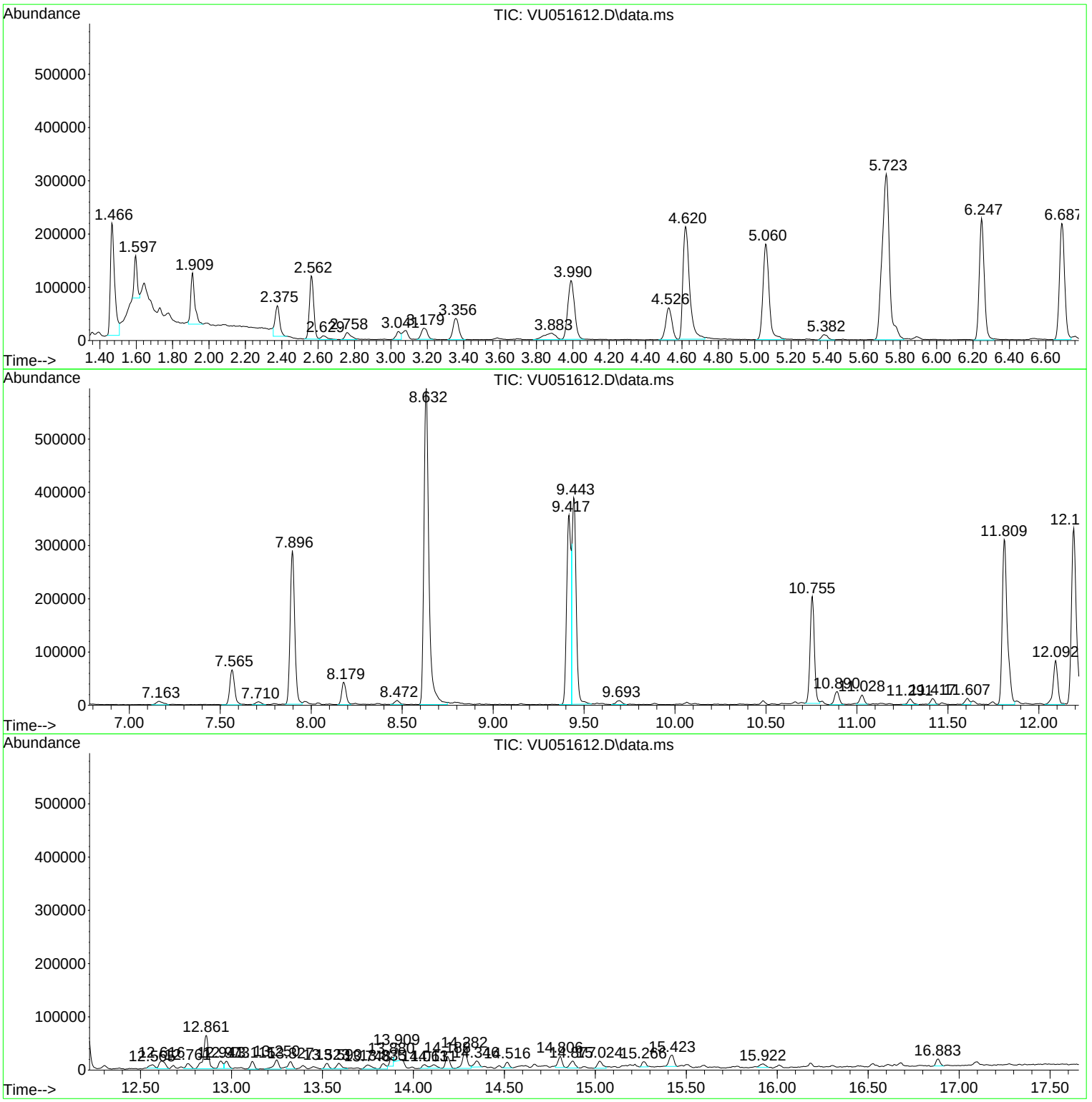
Sum of corrected areas: 9854151

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU103122\
Data File : VU051612.D
Acq On : 31 Oct 2022 15:30
Operator : JC/MD
Sample : N5319-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BHAA6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU103122\
Data File : VU051612.D
Acq On : 31 Oct 2022 15:30
Operator : JC/MD
Sample : N5319-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BHAA6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0

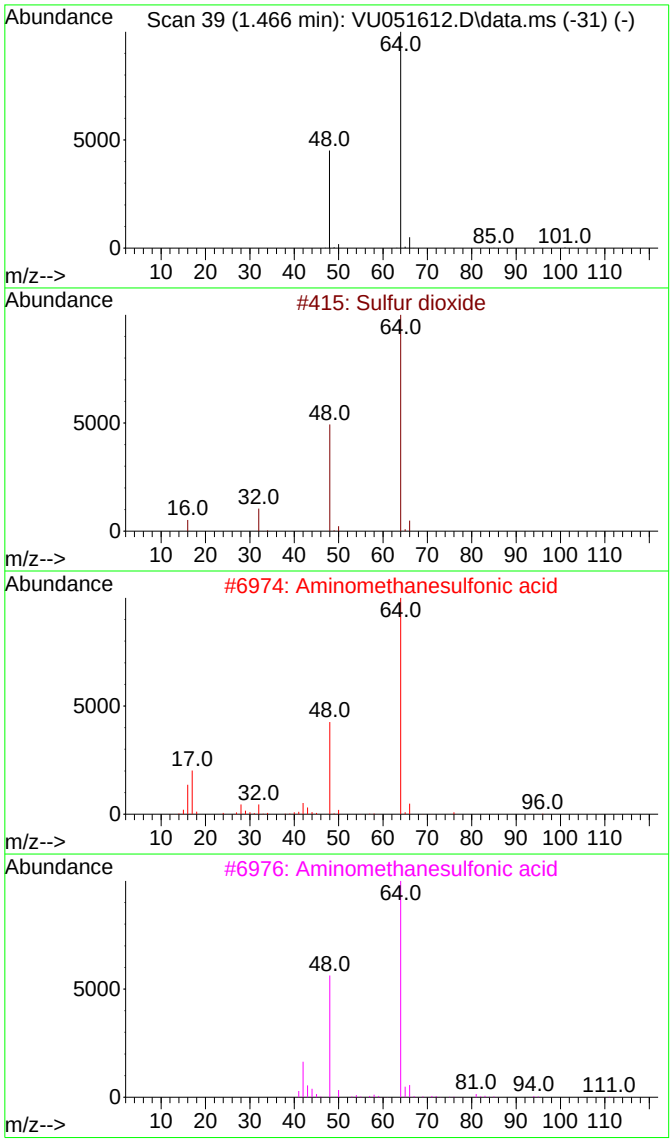
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

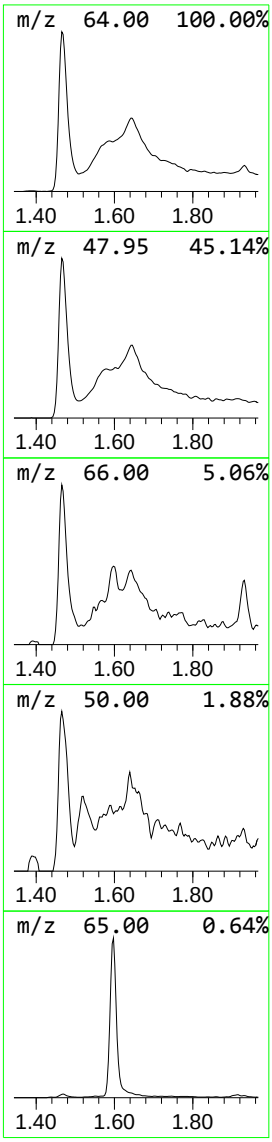
****

Peak Number 1 Sulfur dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.466	3.98 ug/L	346667	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	90
2	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	74
3	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	9
4	(N-(-2-Acetamido))-2-aminoethane...	182	C4H10N2O4S	007365-82-4	9
5	L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU103122\
Data File : VU051612.D
Acq On : 31 Oct 2022 15:30
Operator : JC/MD
Sample : N5319-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BHAA6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0

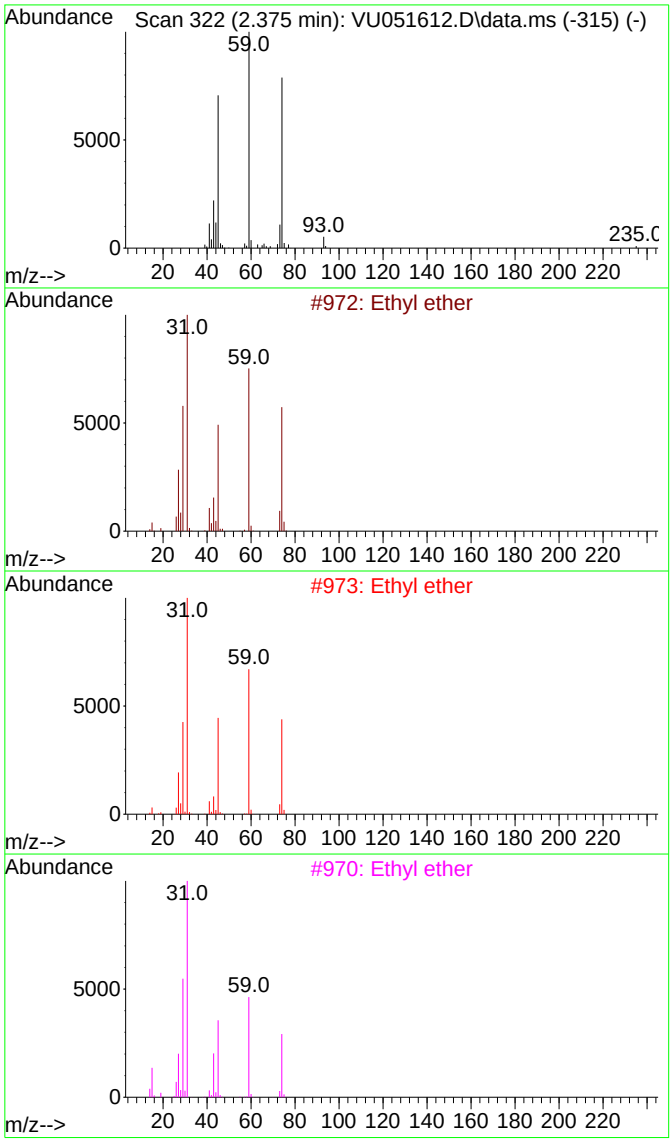
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

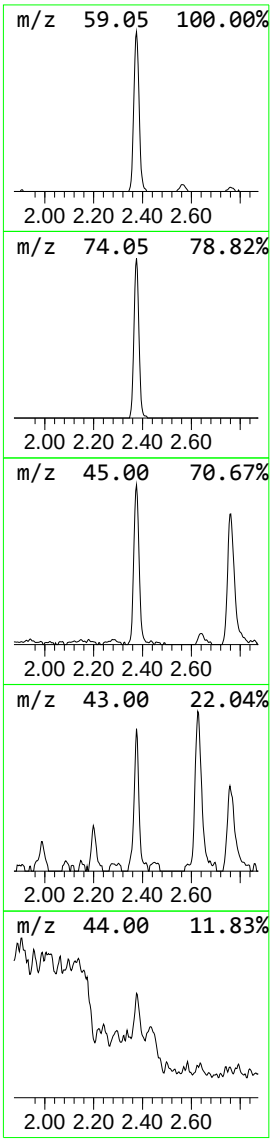
****

Peak Number 2 Ethyl ether Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.375	1.16 ug/L	100682	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl ether	74	C4H10O	000060-29-7	90
2	Ethyl ether	74	C4H10O	000060-29-7	86
3	Ethyl ether	74	C4H10O	000060-29-7	86
4	Ethane, 1,2-diethoxy-	118	C6H14O2	000629-14-1	74
5	Ethane, 1,2-diethoxy-	118	C6H14O2	000629-14-1	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU103122\
Data File : VU051612.D
Acq On : 31 Oct 2022 15:30
Operator : JC/MD
Sample : N5319-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BHAA6

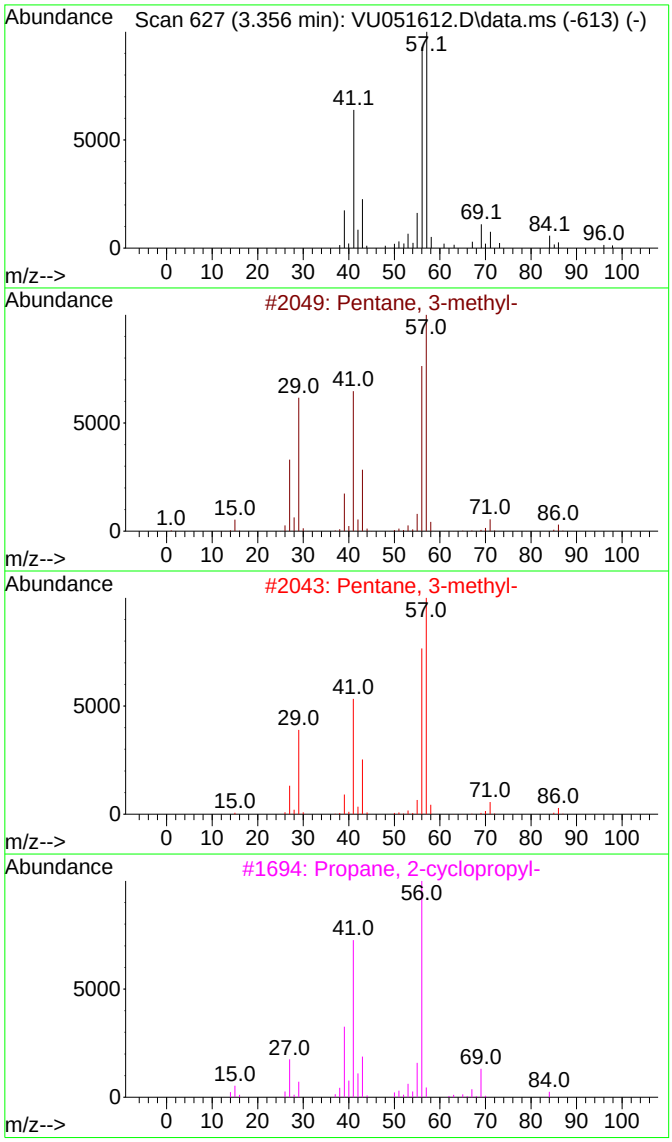
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0

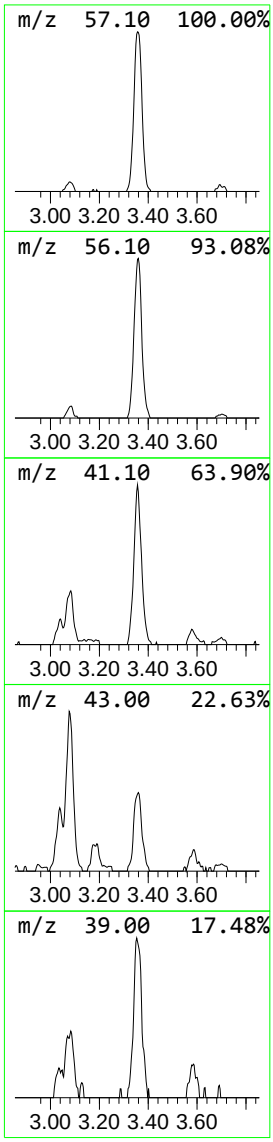
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.356	1.01 ug/L	88234	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	64
2	Pentane, 3-methyl-	86	C6H14	000096-14-0	64
3	Propane, 2-cyclopropyl-	84	C6H12	003638-35-5	59
4	Cyclopentane, methyl-	84	C6H12	000096-37-7	58
5	1-Hexene, 4-methyl-	98	C7H14	003769-23-1	56





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU103122\
Data File : VU051612.D
Acq On : 31 Oct 2022 15:30
Operator : JC/MD
Sample : N5319-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BHAA6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0

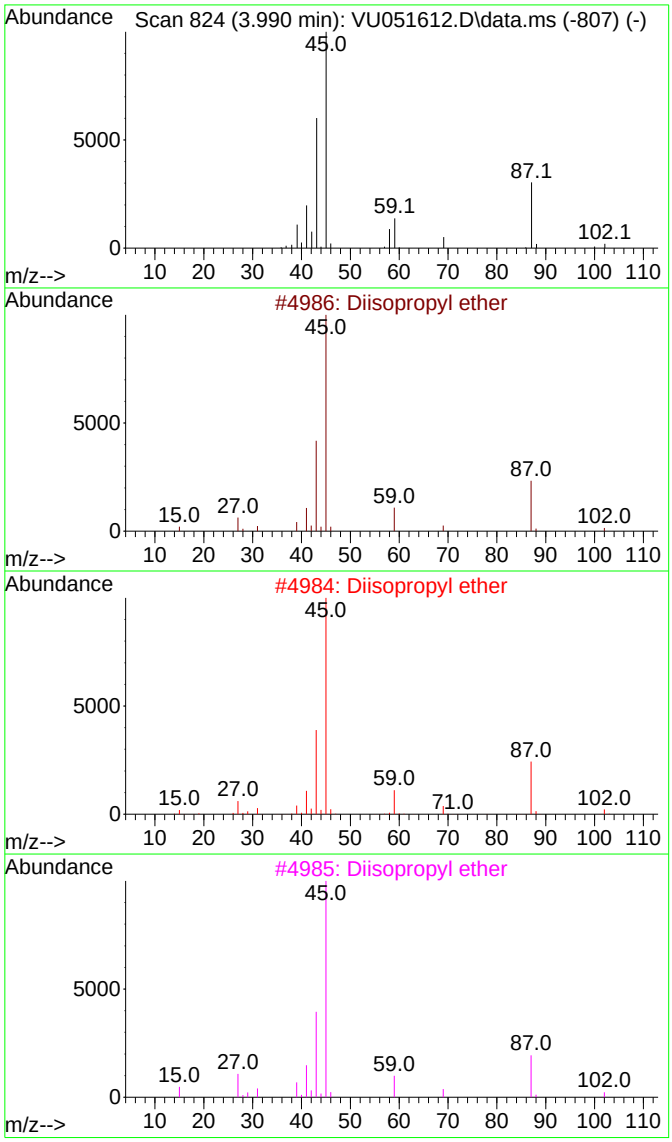
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

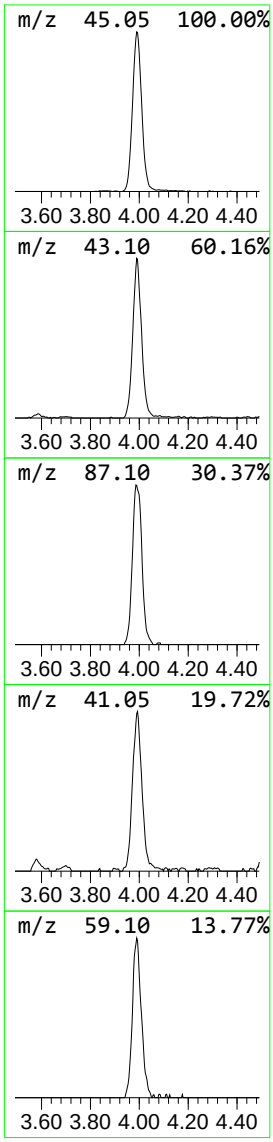
****

Peak Number 6 Diisopropyl ether Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.990	3.27 ug/L	284481	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diisopropyl ether	102	C6H14O	000108-20-3	90
2	Diisopropyl ether	102	C6H14O	000108-20-3	86
3	Diisopropyl ether	102	C6H14O	000108-20-3	80
4	Diisopropyl ether	102	C6H14O	000108-20-3	78
5	Diisopropyl ether	102	C6H14O	000108-20-3	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU103122\
Data File : VU051612.D
Acq On : 31 Oct 2022 15:30
Operator : JC/MD
Sample : N5319-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BHAA6

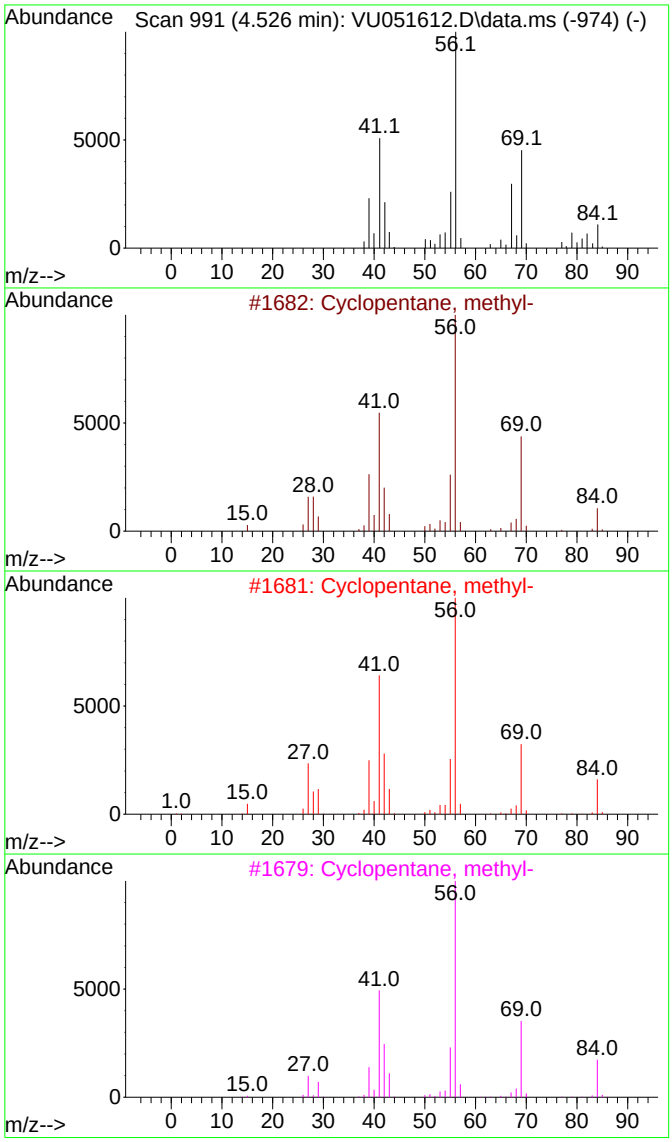
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0

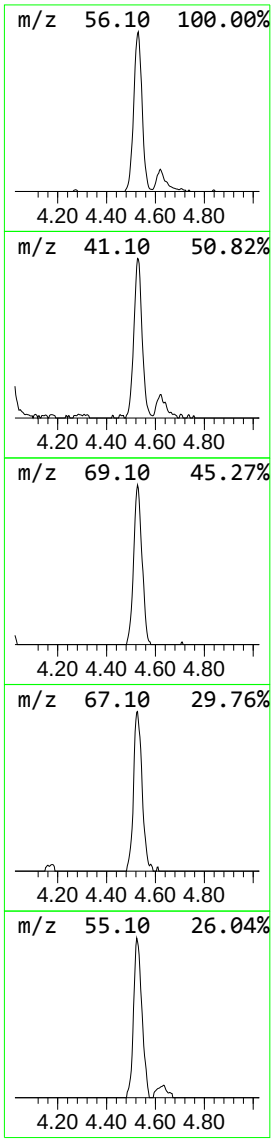
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Cyclic4.526 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.526	1.65 ug/L	143400	1,4-Difluorobenzene	6.247

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	81
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	64
3	Cyclopentane, methyl-	84	C6H12	000096-37-7	59
4	1-Pentene, 2-methyl-	84	C6H12	000763-29-1	58
5	Cyclobutane, ethyl-	84	C6H12	004806-61-5	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU103122\
Data File : VU051612.D
Acq On : 31 Oct 2022 15:30
Operator : JC/MD
Sample : N5319-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BHAA6

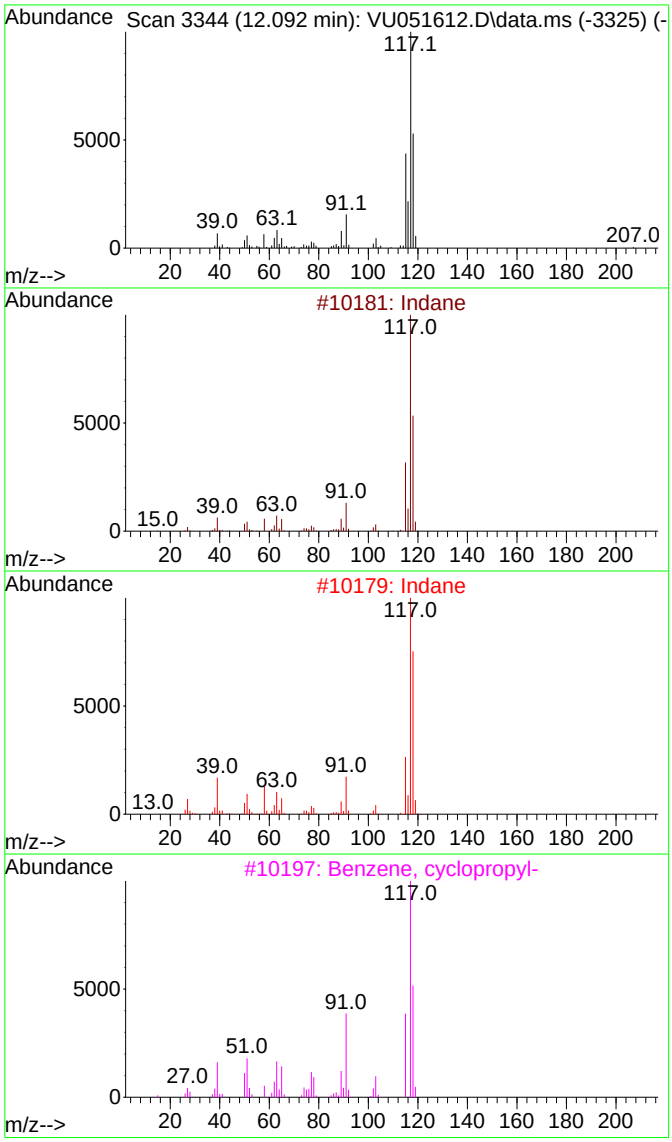
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0

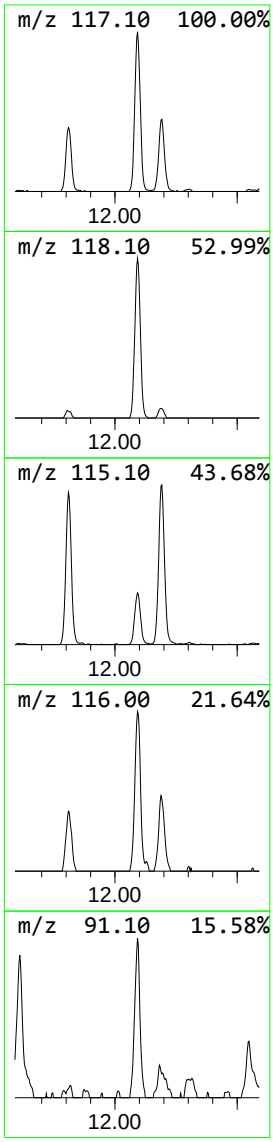
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Indane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.092	1.22 ug/L	144197	1,4-Dichlorobenzene-d4	11.809

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	92
2	Indane	118	C9H10	000496-11-7	70
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	62
5	trans-Cinnamyl bromide	196	C9H9Br	026146-77-0	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU103122\
Data File : VU051612.D
Acq On : 31 Oct 2022 15:30
Operator : JC/MD
Sample : N5319-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BHAA6

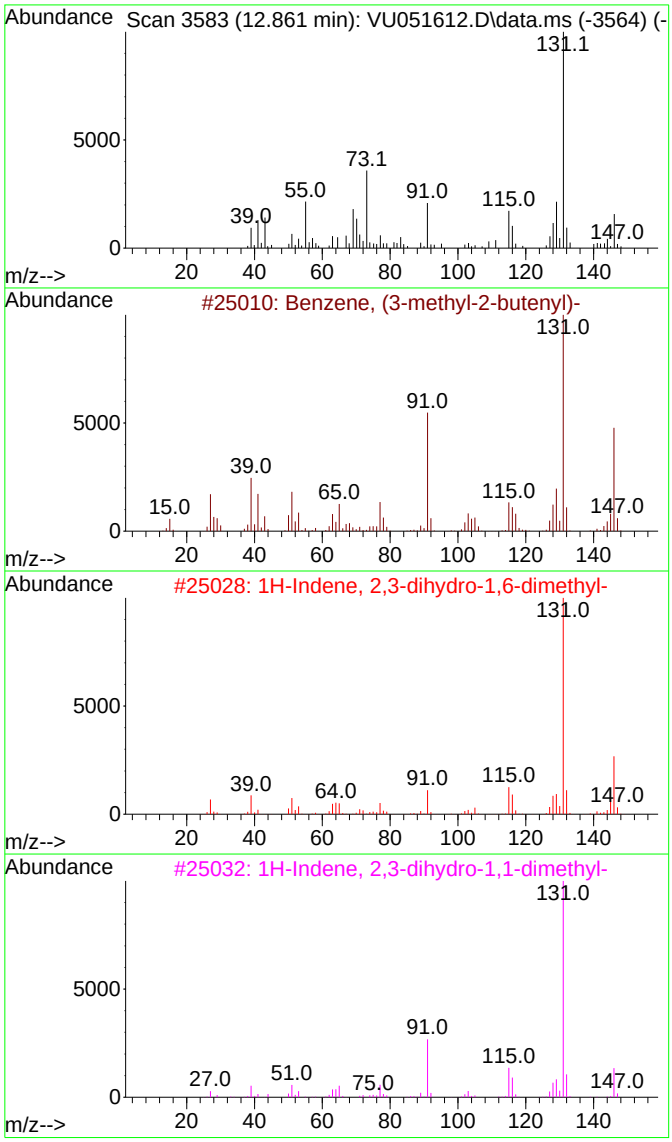
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0

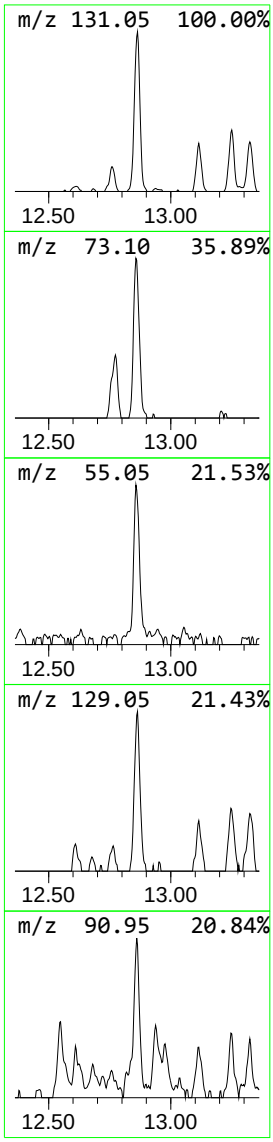
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Benzene, (3-methyl-2-butenyl)- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.861	1.01 ug/L	119649	1,4-Dichlorobenzene-d4	11.809

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	87
2	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	76
3	1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	76
4	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	74
5	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	74





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Data File : VU051612.D
Acq On : 31 Oct 2022 15:30
Operator : JC/MD
Sample : N5319-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BHAA6

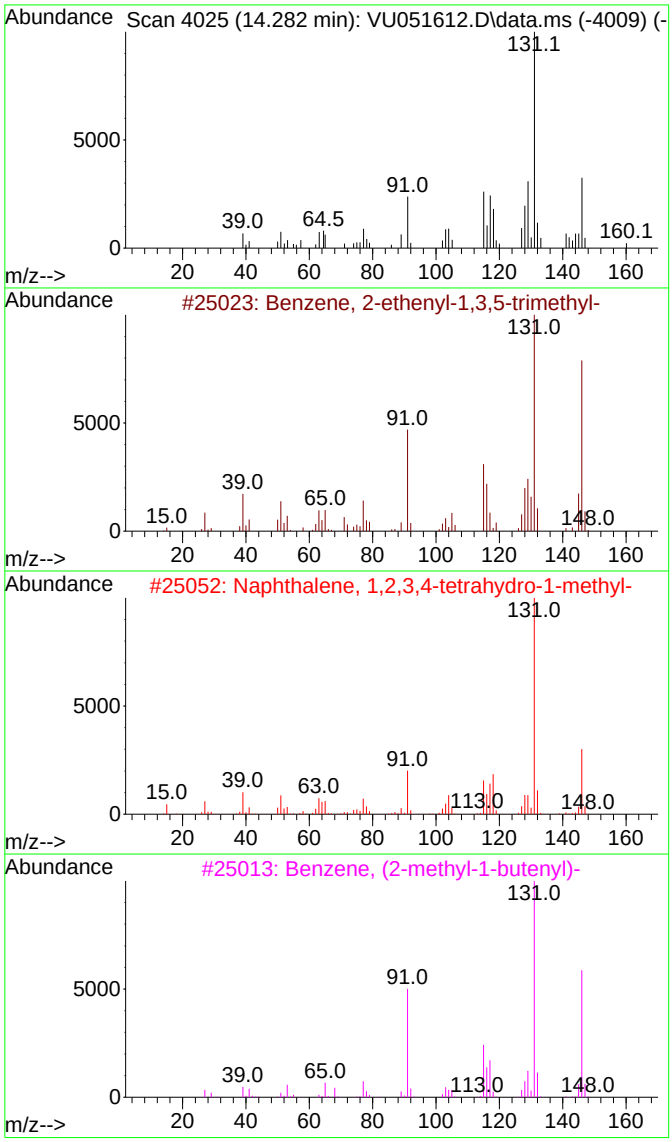
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0

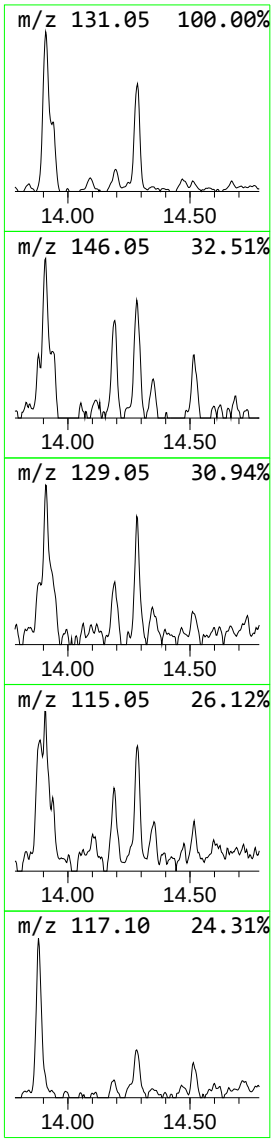
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Benzene, 2-ethenyl-1,3,5-tr... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.282	0.51 ug/L	60736	1,4-Dichlorobenzene-d4	11.809

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	83
2	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	76
3	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	76
4	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	76
5	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	70





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU103122\
Data File : VU051612.D
Acq On : 31 Oct 2022 15:30
Operator : JC/MD
Sample : N5319-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BHAA6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Sulfur dioxide	1.466	4.0	ug/L	346667	1	6.247	435191	5.0
Ethyl ether	2.375	1.2	ug/L	100682	1	6.247	435191	5.0
(DEL) Alkane: S...	3.356	1.0	ug/L	88234	1	6.247	435191	5.0
Diisopropyl ether	3.990	3.3	ug/L	284481	1	6.247	435191	5.0
(DEL) Alkane: C...	4.526	1.6	ug/L	143400	1	6.247	435191	5.0
Indane	12.092	1.2	ug/L	144197	3	11.809	593164	5.0
Benzene, (3-met...	12.861	1.0	ug/L	119649	3	11.809	593164	5.0
Benzene, 2-ethe...	14.282	0.5	ug/L	60736	3	11.809	593164	5.0