LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110122\
Data File : VU051669.D
Acq On : 01 Nov 2022 22:20
Operator : JC/MD
Sample : N5319-03DL 25X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BHA98DL

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: VU051669.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.472	31	41	53	rBV	80301	151495	11.17%	1.252%
2	1.597	74	80	115	rVB	113487	180826	13.34%	1.494%
3	1.909	168	177	194	rVB	84595	124597	9.19%	1.030%
4	2.375	312	322	336	rVB	62205	100990	7.45%	0.835%
5	2.565	369	381	396	rBV	162322	264442	19.51%	2.185%
6	3.044	518	530	542	rBV2	16563	30447	2.25%	0.252%
7	3.186	556	574	589	rBV	27438	65500	4.83%	0.541%
8	3.841	755	778	780	rBV	8127	16294	1.20%	0.135%
9	3.993	808	825	842	rBV2	35690	89416	6.60%	0.739%
10	4.620	1004	1020	1056	rBV	132945	342611	25.27%	2.831%
11	5.060	1141	1157	1186	rBV	157238	371031	27.37%	3.066%
12	5.722	1342	1363	1370	rBV2	302324	774444	57.12%	6.400%
13	5.771	1370	1378	1414	rVB	661232	1355710	100.00%	11.203%
14	6.247	1511	1526	1549	rBV	220960	424526	31.31%	3.508%
15	6.687	1650	1663	1681	rBV	190268	382117	28.19%	3.158%
16	7.565	1924	1936	1960	rBV	83290	148449	10.95%	1.227%
17	7.896	2025	2039	2053	rBV	329109	574867	42.40%	4.751%
18	7.970	2053	2062	2077	rVB	45118	77770	5.74%	0.643%
19	8.179	2116	2127	2140	rBV	50674	85206	6.28%	0.704%
20	8.632	2256	2268	2303	rBV	416627	772560	56.99%	6.384%
21	9.417	2495	2512	2517	rBV	336428	586473	43.26%	4.847%
22	9.568	2547	2559	2579	rBV	334360	534650	39.44%	4.418%
23	9.690	2583	2597	2614	rBV	690970	1117655	82.44%	9.236%
24	10.098	2710	2724	2740	rBV	148513	246798	18.20%	2.040%
25	10.481	2831	2843	2860	rBV	80656	130837	9.65%	1.081%
26	10.754	2917	2928	2940	rBV2	161229	261615	19.30%	2.162%
27	10.902	2961	2974	2990	rBV2	23138	45043	3.32%	0.372%
28	10.999	2994	3004	3019	rBV	11596	22325	1.65%	0.184%
29	11.086	3022	3031	3046	rBV2	15124	24463	1.80%	0.202%
30	11.291	3085	3095	3108	rBV	24436	40154	2.96%	0.332%
31	11.465	3138	3149	3160	rBV	84819	132566	9.78%	1.096%
32	11.745	3228	3236	3244	rBV4	9357	13866	1.02%	0.115%
33	11.809	3244	3256	3273	rVV	320309	557803	41.14%	4.610%
34	11.889	3273	3281	3298	rVB	54513	91702	6.76%	0.758%
35	12.092	3331	3344	3362	rBV	385706	622157	45.89%	5.141%
36	12.192	3362	3375	3398	rVB2	363478	684231	50.47%	5.654%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110122\
Data File : VU051669.D
Acq On : 01 Nov 2022 22:20
Operator : JC/MD
Sample : N5319-03DL 25X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BHA98DL

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	12.571	3482	3493	3502	rBV2	18181	27837	2.05%	0.230%
38	13.024	3625	3634	3647	rVB3	9953	15275	1.13%	0.126%
39	13.291	3707	3717	3731	rVB3	21744	35286	2.60%	0.292%
40	13.449	3751	3766	3779	rBV4	19555	33465	2.47%	0.277%
41	13.520	3779	3788	3799	rBV3	16185	24006	1.77%	0.198%
42	13.626	3808	3821	3833	rBV4	32669	58190	4.29%	0.481%
43	14.085	3947	3964	3980	rBV	211796	360611	26.60%	2.980%
44	15.224	4308	4318	4331	rBV	20814	36957	2.73%	0.305%
45	15.410	4366	4376	4391	rBV	36407	63611	4.69%	0.526%

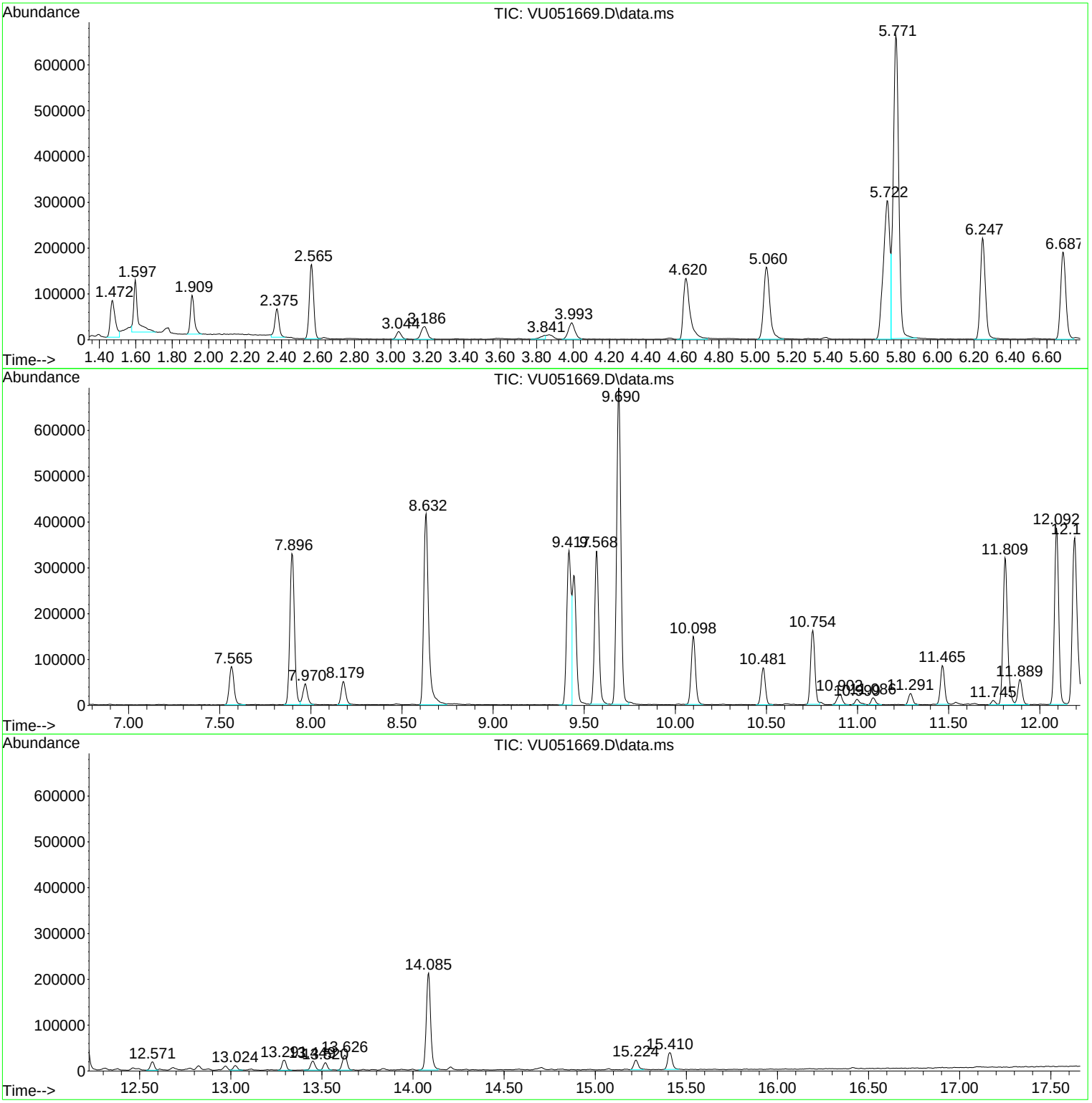
Sum of corrected areas: 12100874

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110122\
Data File : VU051669.D
Acq On : 01 Nov 2022 22:20
Operator : JC/MD
Sample : N5319-03DL 25X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BHA98DL

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\VU110122\
Data File : VU051669.D
Acq On : 01 Nov 2022 22:20
Operator : JC/MD
Sample : N5319-03DL 25X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BHA98DL

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

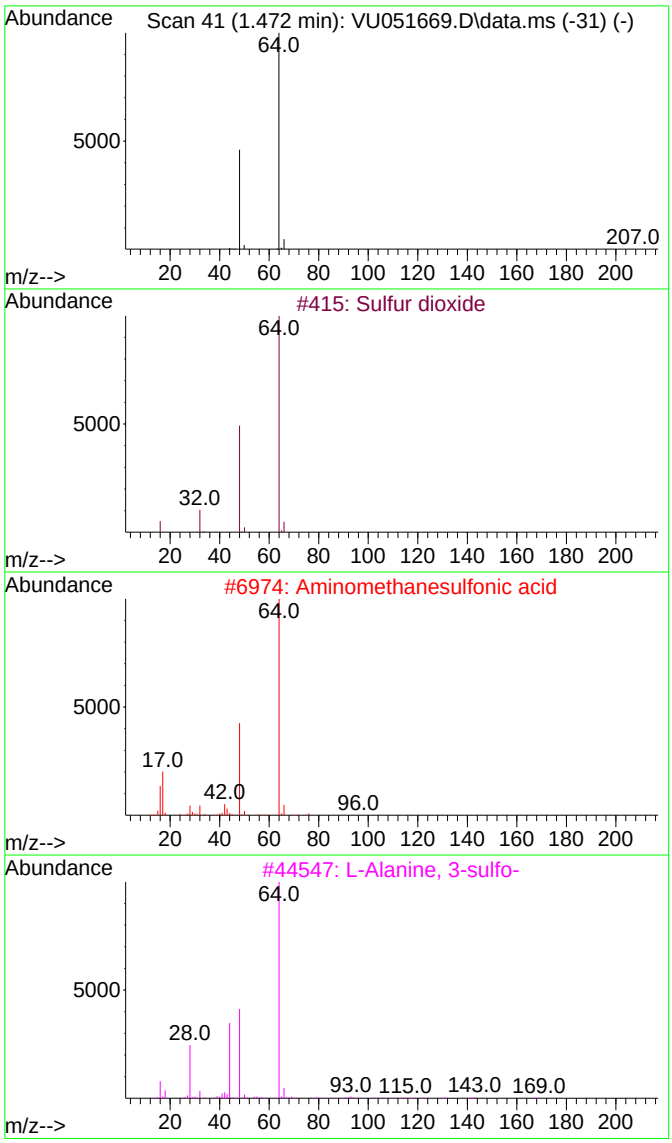
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

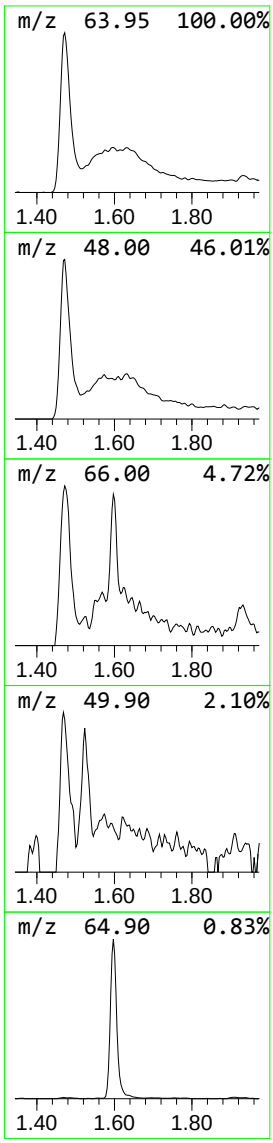
****

Peak Number 1 Sulfur dioxide Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.472	1.78 ug/L	151495	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	64
3	L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9
4	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	4
5	Ethyl Chloride	64	C2H5Cl	000075-00-3	3





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110122\
Data File : VU051669.D
Acq On : 01 Nov 2022 22:20
Operator : JC/MD
Sample : N5319-03DL 25X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BHA98DL

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

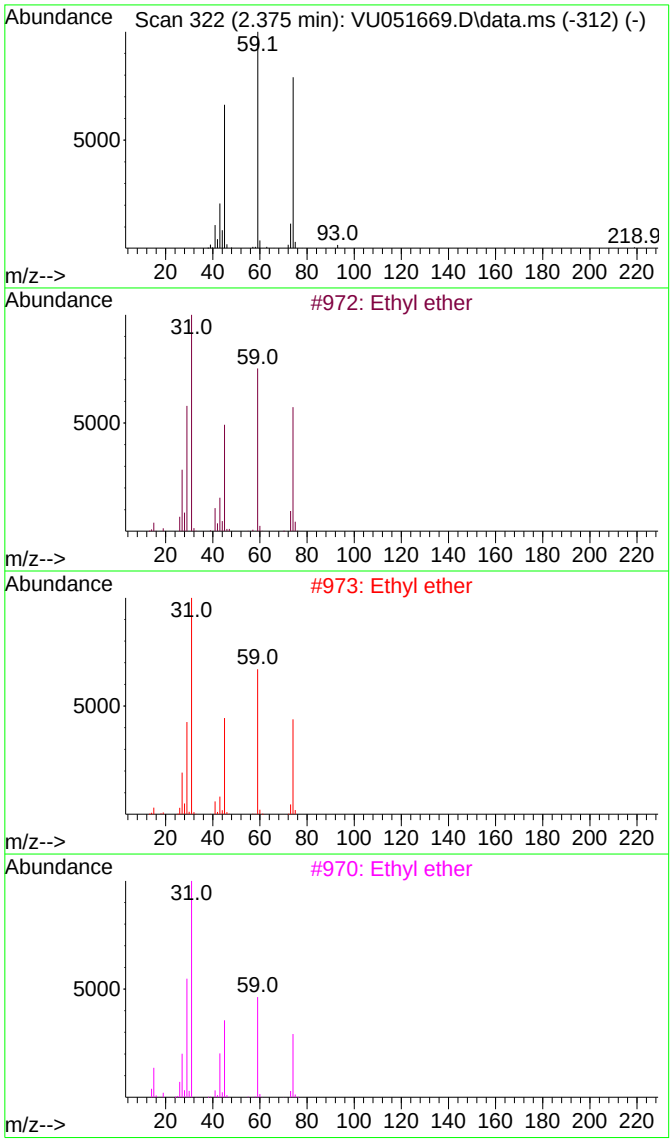
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

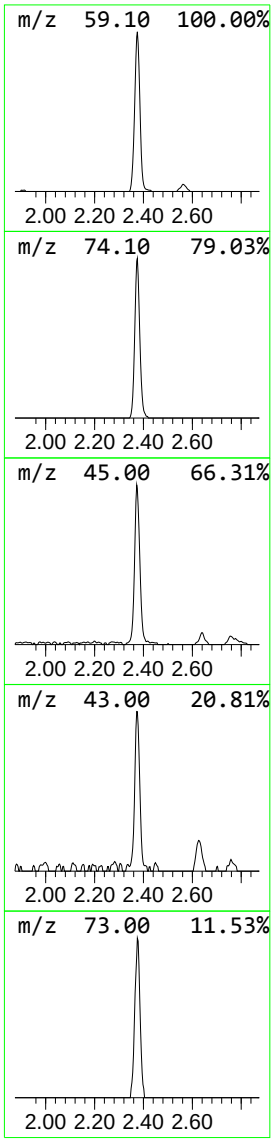
****

Peak Number 2 Ethyl ether Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.375	1.19 ug/L	100990	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	90
3	Ethyl ether	74	C4H10O	000060-29-7	90
4	Ethane, 1,2-diethoxy-	118	C6H14O2	000629-14-1	74
5	Ethane, 1,2-diethoxy-	118	C6H14O2	000629-14-1	74





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110122\
Data File : VU051669.D
Acq On : 01 Nov 2022 22:20
Operator : JC/MD
Sample : N5319-03DL 25X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BHA98DL

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

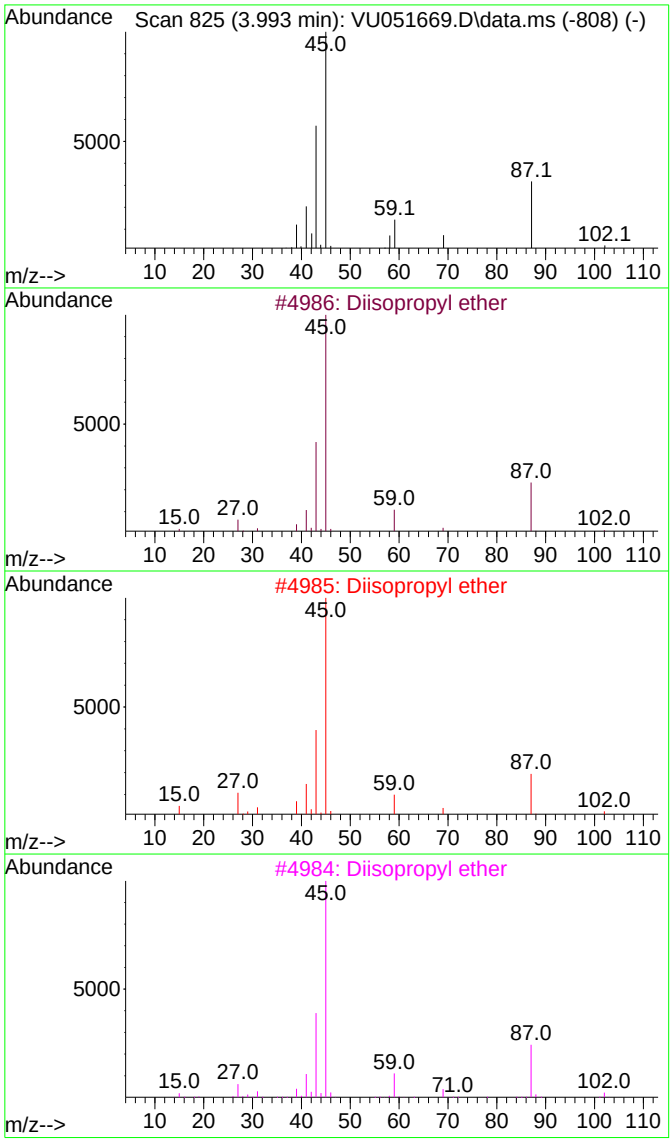
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

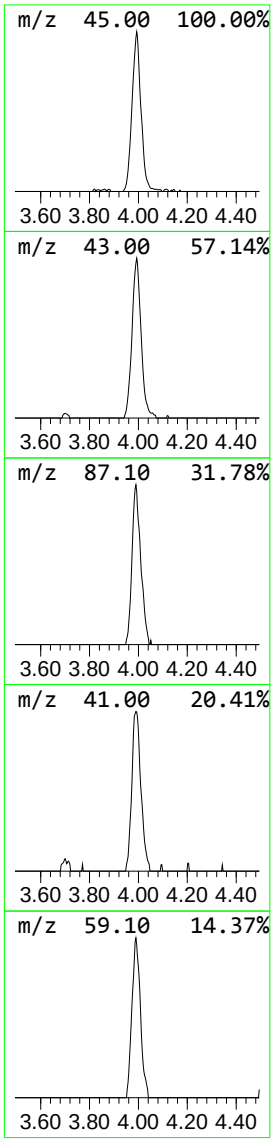
****

Peak Number 4 Diisopropyl ether Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.993	1.05 ug/L	89416	1,4-Difluorobenzene	6.247

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110122\
Data File : VU051669.D
Acq On : 01 Nov 2022 22:20
Operator : JC/MD
Sample : N5319-03DL 25X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BHA98DL

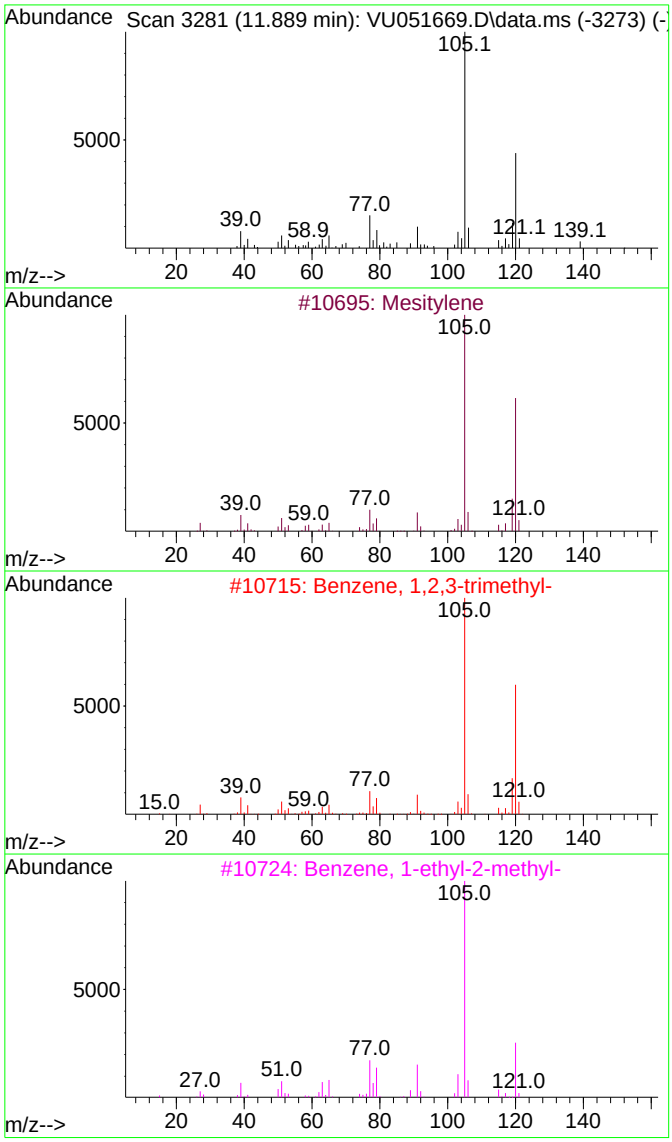
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0

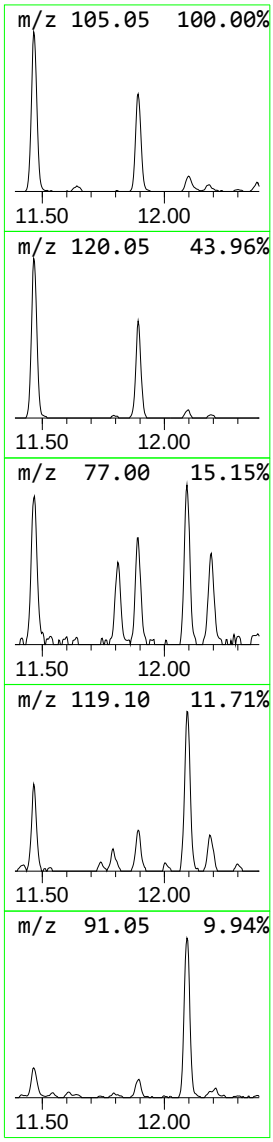
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Benzene, 1,2,3-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.889	0.82 ug/L	91702	1,4-Dichlorobenzene-d4	11.812

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Mesitylene	120	C9H12	000108-67-8	97
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
4	Mesitylene	120	C9H12	000108-67-8	91
5	Mesitylene	120	C9H12	000108-67-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110122\
Data File : VU051669.D
Acq On : 01 Nov 2022 22:20
Operator : JC/MD
Sample : N5319-03DL 25X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BHA98DL

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

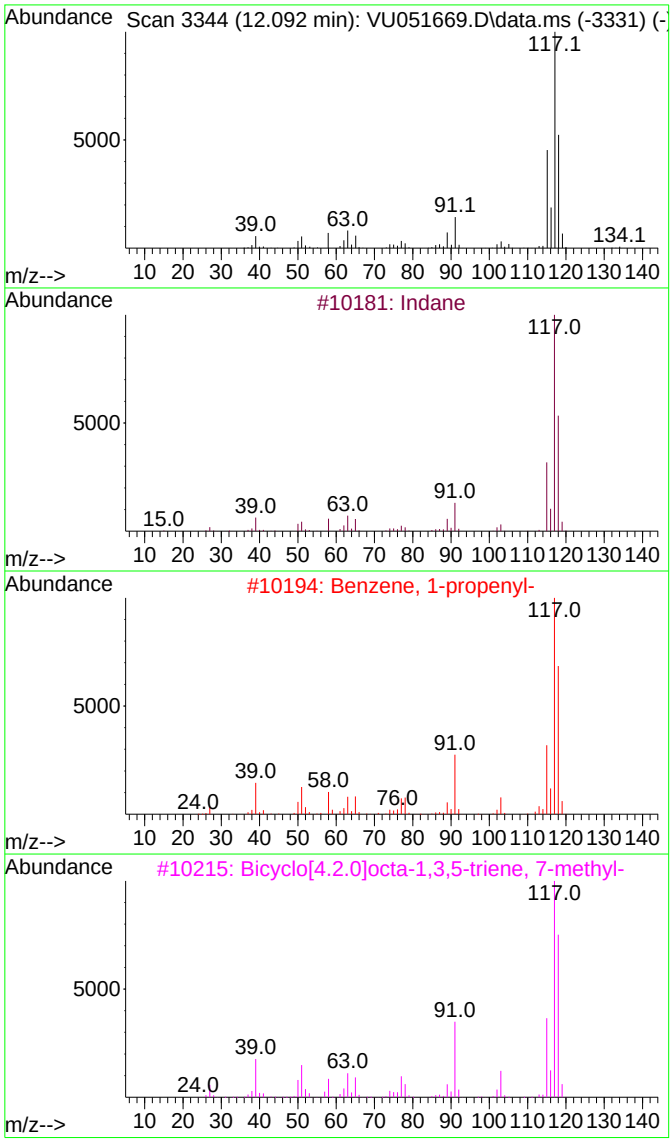
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

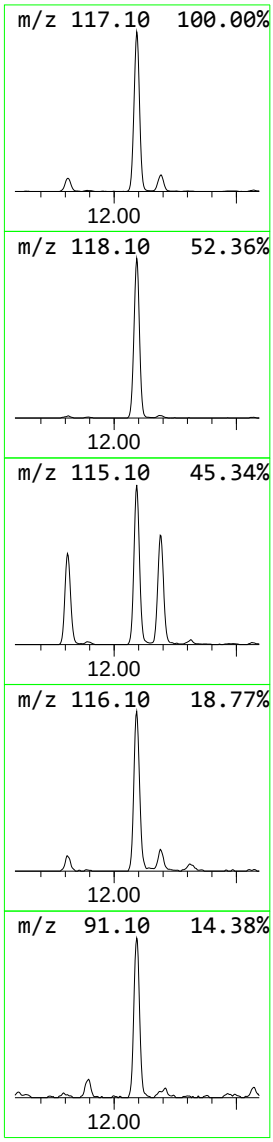
****

Peak Number 7 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.092	5.58 ug/L	622157	1,4-Dichlorobenzene-d4	11.812

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Benzene, 1-propenyl-	118	C9H10	000637-50-3	62
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	055337-80-9	62
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	62
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110122\
Data File : VU051669.D
Acq On : 01 Nov 2022 22:20
Operator : JC/MD
Sample : N5319-03DL 25X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BHA98DL

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

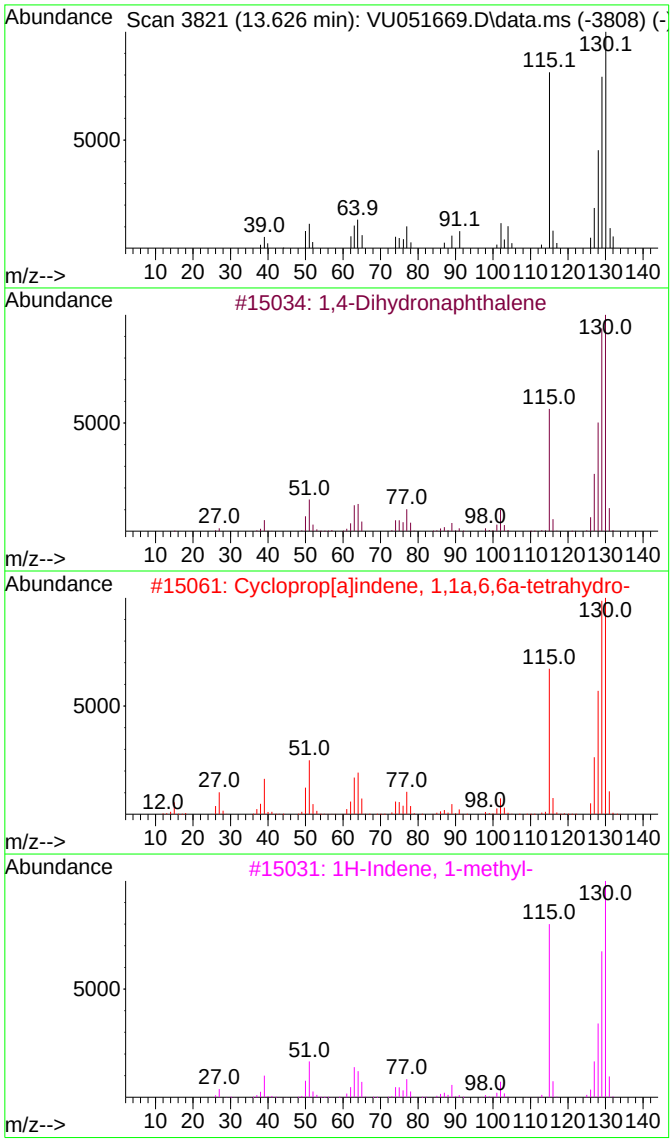
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

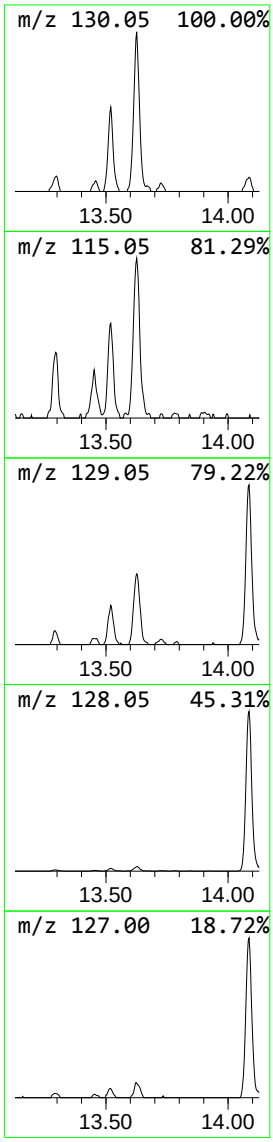
****

Peak Number 8 1,4-Dihydronaphthalene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.626	0.52 ug/L	58190	1,4-Dichlorobenzene-d4	11.812

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	96
2	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	95
3	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	94
4	2-Methylindene	130	C10H10	002177-47-1	94
5	Benzene, 1-butynyl-	130	C10H10	000622-76-4	93





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110122\
Data File : VU051669.D
Acq On : 01 Nov 2022 22:20
Operator : JC/MD
Sample : N5319-03DL 25X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BHA98DL

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

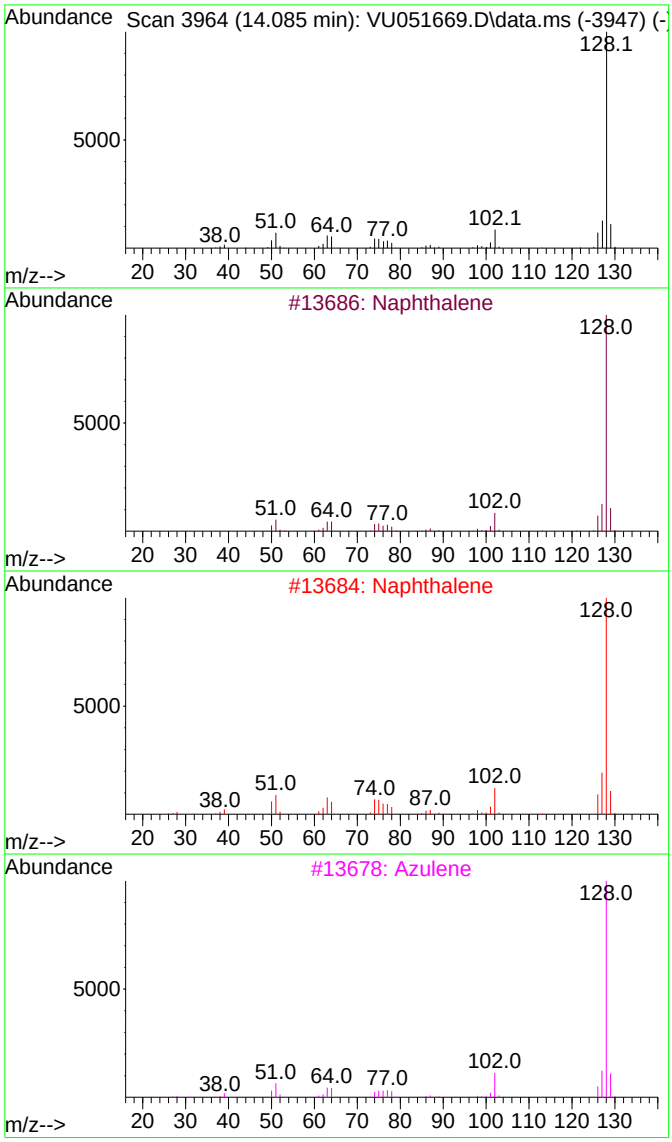
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

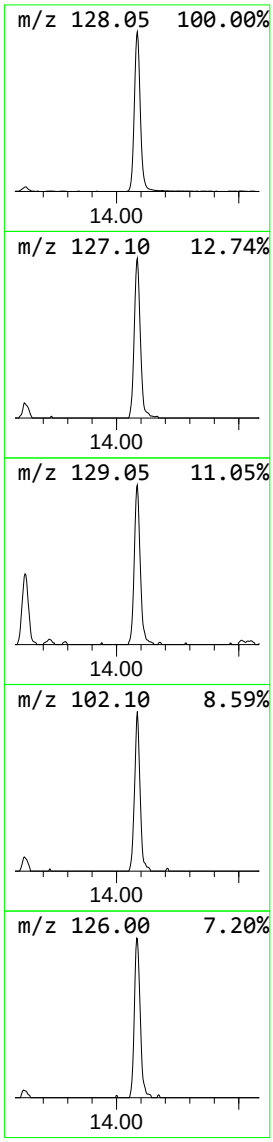
****

Peak Number 9 Azulene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.085	3.23 ug/L	360611	1,4-Dichlorobenzene-d4	11.812

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene	128	C10H8	000091-20-3	95
2	Naphthalene	128	C10H8	000091-20-3	94
3	Azulene	128	C10H8	000275-51-4	93
4	Naphthalene	128	C10H8	000091-20-3	93
5	Azulene	128	C10H8	000275-51-4	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110122\
Data File : VU051669.D
Acq On : 01 Nov 2022 22:20
Operator : JC/MD
Sample : N5319-03DL 25X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BHA98DL

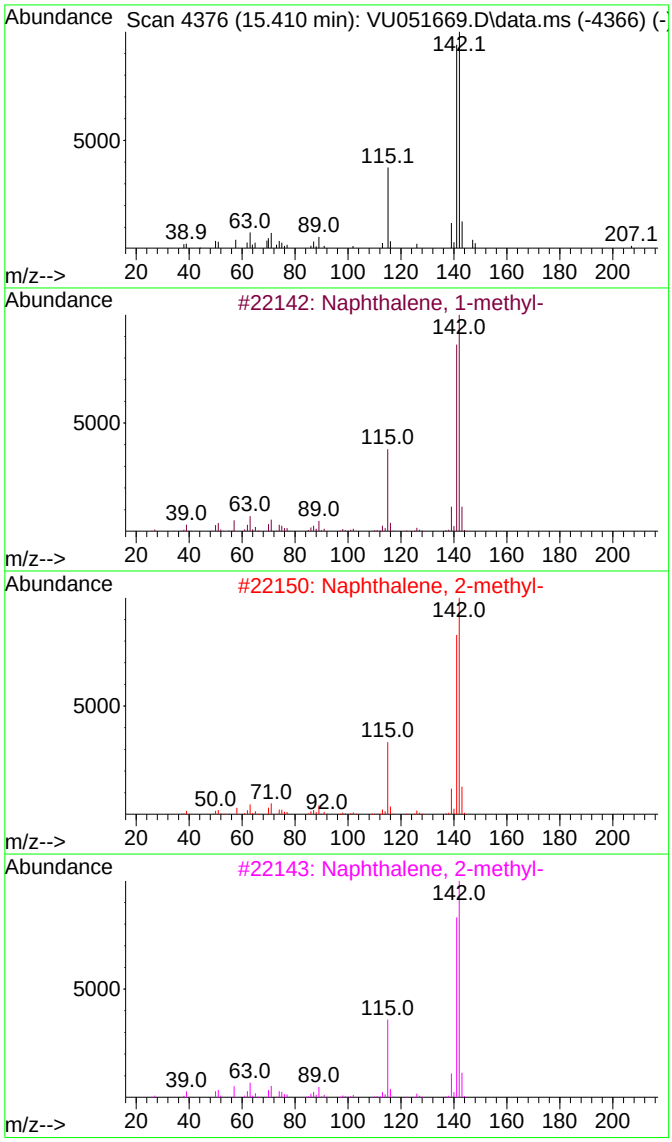
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR102822WMA.M
Quant Title : TRACE VOA SFAM1.0

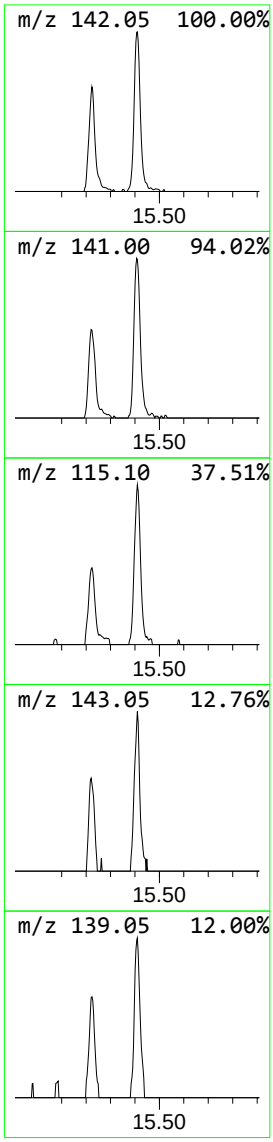
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 1,4-Methanonaphthalene, 1,4... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.410	0.57 ug/L	63611	1,4-Dichlorobenzene-d4	11.812

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	97
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU110122\
Data File : VU051669.D
Acq On : 01 Nov 2022 22:20
Operator : JC/MD
Sample : N5319-03DL 25X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BHA98DL

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	1.472	1.8	ug/L	151495	1	6.247	424526	5.0
Ethyl ether	2.375	1.2	ug/L	100990	1	6.247	424526	5.0
Diisopropyl ether	3.993	1.1	ug/L	89416	1	6.247	424526	5.0
Benzene, 1,2,3-...	11.889	0.8	ug/L	91702	3	11.812	557803	5.0
Indane	12.092	5.6	ug/L	622157	3	11.812	557803	5.0
1,4-Dihydronaph...	13.626	0.5	ug/L	58190	3	11.812	557803	5.0
Azulene	14.085	3.2	ug/L	360611	3	11.812	557803	5.0
1,4-Methanonaph...	15.410	0.6	ug/L	63611	3	11.812	557803	5.0