LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070121\
Data File : VU044288.D
Acq On : 01 Jul 2021 16:02
Operator : SY/MD
Sample : M2905-21
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBK32

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\SFAMUTR062121WMA.M
Title : TRACE VOA SFAM1.0

Signal : TIC: VU044288.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.623	76	88	103	rBV3	226977	500512	1.46%	0.197%
2	3.649	703	718	740	rBV	221574	556022	1.62%	0.219%
3	4.523	969	990	1038	rVB	860299	2590011	7.56%	1.019%
4	5.790	1363	1384	1389	rBV2	181231	400552	1.17%	0.158%
5	5.838	1390	1399	1428	rVB	632470	1267170	3.70%	0.498%
6	7.925	2038	2048	2061	rBV	206650	383425	1.12%	0.151%
7	7.996	2062	2070	2081	rVB	289971	479538	1.40%	0.189%
8	8.658	2259	2276	2299	rBV2	1600182	2795185	8.15%	1.099%
9	9.391	2481	2504	2511	rBV3	221053	557409	1.63%	0.219%
10	9.433	2512	2517	2534	rVB2	239798	540674	1.58%	0.213%
11	9.584	2552	2564	2582	rBV2	990472	1894198	5.53%	0.745%
12	9.706	2582	2602	2613	rBV	2406397	4350846	12.69%	1.711%
13	10.111	2713	2728	2748	rVB2	248104	584373	1.70%	0.230%
14	10.494	2834	2847	2865	rBV	472546	778634	2.27%	0.306%
15	10.716	2901	2916	2926	rBV	1543861	2587228	7.55%	1.017%
16	10.915	2956	2978	2988	rBV	889087	1466991	4.28%	0.577%
17	11.021	2998	3011	3024	rVB2	4037143	8235075	24.03%	3.239%
18	11.099	3025	3035	3047	rVB2	4131975	6643788	19.38%	2.613%
19	11.169	3047	3057	3067	rVB4	317097	587315	1.71%	0.231%
20	11.240	3067	3079	3089	rBV2	3690572	5751524	16.78%	2.262%
21	11.301	3089	3098	3110	rVB	1340042	2079364	6.07%	0.818%
22	11.394	3117	3127	3141	rBV2	331390	624350	1.82%	0.246%
23	11.478	3141	3153	3166	rVB	4944290	7600973	22.18%	2.989%
24	11.565	3166	3180	3189	rBV	863462	1368904	3.99%	0.538%
25	11.648	3189	3206	3222	rVB2	2577072	4326685	12.62%	1.702%
26	11.732	3222	3232	3243	rBV4	731129	1631568	4.76%	0.642%
27	11.806	3244	3255	3262	rVV	13213681	20105476	58.66%	7.907%
28	11.854	3262	3270	3279	rVV	18517876	27756539	80.98%	10.915%
29	11.906	3279	3286	3293	rVB	1098353	1509761	4.40%	0.594%
30	11.951	3293	3300	3306	rBV	493167	616022	1.80%	0.242%
31	11.989	3306	3312	3320	rVB	533306	659511	1.92%	0.259%
32	12.050	3322	3331	3340	rVB	2025408	2979214	8.69%	1.172%
33	12.105	3340	3348	3365	rVB3	1340138	2557417	7.46%	1.006%
34	12.198	3365	3377	3386	rBV4	1212098	2273568	6.63%	0.894%
35	12.311	3405	3412	3420	rBV3	427955	626970	1.83%	0.247%
36	12.385	3425	3435	3449	rVB	1098469	1936104	5.65%	0.761%

LSC Area Percent Report

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Operator : SY/MD
Sample : M2905-21
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBK32

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\SFAMUTR062121WMA.M
Title : TRACE VOA SFAM1.0

37	12.491	3449	3468	3487	rBV2	6303487	13354359	38.96%	5.252%
38	12.581	3487	3496	3505	rBV2	1485694	2162149	6.31%	0.850%
39	12.693	3522	3531	3534	rBV	304742	470303	1.37%	0.185%
40	12.732	3536	3543	3561	rVB2	886273	1947795	5.68%	0.766%
41	12.835	3561	3575	3583	rBV5	1286677	3012362	8.79%	1.185%
42	12.880	3584	3589	3598	rVB4	399919	605096	1.77%	0.238%
43	12.951	3598	3611	3617	rBV4	899491	1601698	4.67%	0.630%
44	13.018	3618	3632	3646	rVB2	5324534	9693489	28.28%	3.812%
45	13.111	3647	3661	3677	rBV	4748031	7908535	23.07%	3.110%
46	13.240	3693	3701	3705	rBV3	307486	482737	1.41%	0.190%
47	13.352	3726	3736	3742	rBV2	630185	1148912	3.35%	0.452%
48	13.420	3743	3757	3766	rBV	21688713	34276548	100.00%	13.480%
49	13.497	3775	3781	3783	rBV2	756684	882468	2.57%	0.347%
50	13.523	3784	3789	3804	rVB	2338461	3737895	10.91%	1.470%
51	13.632	3815	3823	3828	rBV2	401310	609149	1.78%	0.240%
52	13.671	3829	3835	3842	rVV3	587283	815188	2.38%	0.321%
53	13.742	3848	3857	3874	rVB2	2406315	4447968	12.98%	1.749%
54	13.832	3875	3885	3896	rVB3	1334359	2103033	6.14%	0.827%
55	13.941	3908	3919	3920	rBV	956108	1100722	3.21%	0.433%
56	13.976	3921	3930	3941	rVB	8896428	14498197	42.30%	5.702%
57	14.095	3958	3967	3979	rVB	1098664	1841536	5.37%	0.724%
58	14.163	3979	3988	3992	rBV3	535887	950006	2.77%	0.374%
59	14.327	4032	4039	4046	rVB5	292480	414820	1.21%	0.163%
60	14.381	4046	4056	4070	rVV7	1030943	2482275	7.24%	0.976%
61	14.442	4070	4075	4086	rVB	680601	978421	2.85%	0.385%
62	14.536	4095	4104	4111	rBV4	817066	1291073	3.77%	0.508%
63	14.587	4111	4120	4134	rVV	3123241	4559451	13.30%	1.793%
64	14.655	4135	4141	4148	rVV2	270410	350287	1.02%	0.138%
65	14.761	4164	4174	4194	rVV	3097208	5088385	14.85%	2.001%
66	14.851	4195	4202	4208	rVV2	246516	348433	1.02%	0.137%
67	14.899	4209	4217	4227	rVB	468381	765212	2.23%	0.301%
68	14.960	4227	4236	4247	rBV2	315736	533044	1.56%	0.210%
69	15.134	4284	4290	4297	rVB3	258020	358693	1.05%	0.141%
70	15.188	4298	4307	4313	rBV	916321	1360022	3.97%	0.535%
71	15.227	4313	4319	4327	rVB	594715	837621	2.44%	0.329%
72	15.349	4348	4357	4368	rBV7	527299	1125783	3.28%	0.443%
73	15.413	4368	4377	4385	rVV3	817588	1303104	3.80%	0.512%
74	15.658	4443	4453	4472	rVB	512730	1055784	3.08%	0.415%
75	16.108	4586	4593	4602	rVB3	282591	426850	1.25%	0.168%
76	16.397	4672	4683	4685	rBV	225054	361547	1.05%	0.142%

LSC Area Percent Report

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Data File : VU044288.D
Acq On : 01 Jul 2021 16:02
Operator : SY/MD
Sample : M2905-21
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBK32

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\SFAMUTR062121WMA.M
Title : TRACE VOA SFAM1.0

77	17.021	4866	4877	4890	rVB	902023	1392271	4.06%	0.548%

Sum of corrected areas: 254286117

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070121\
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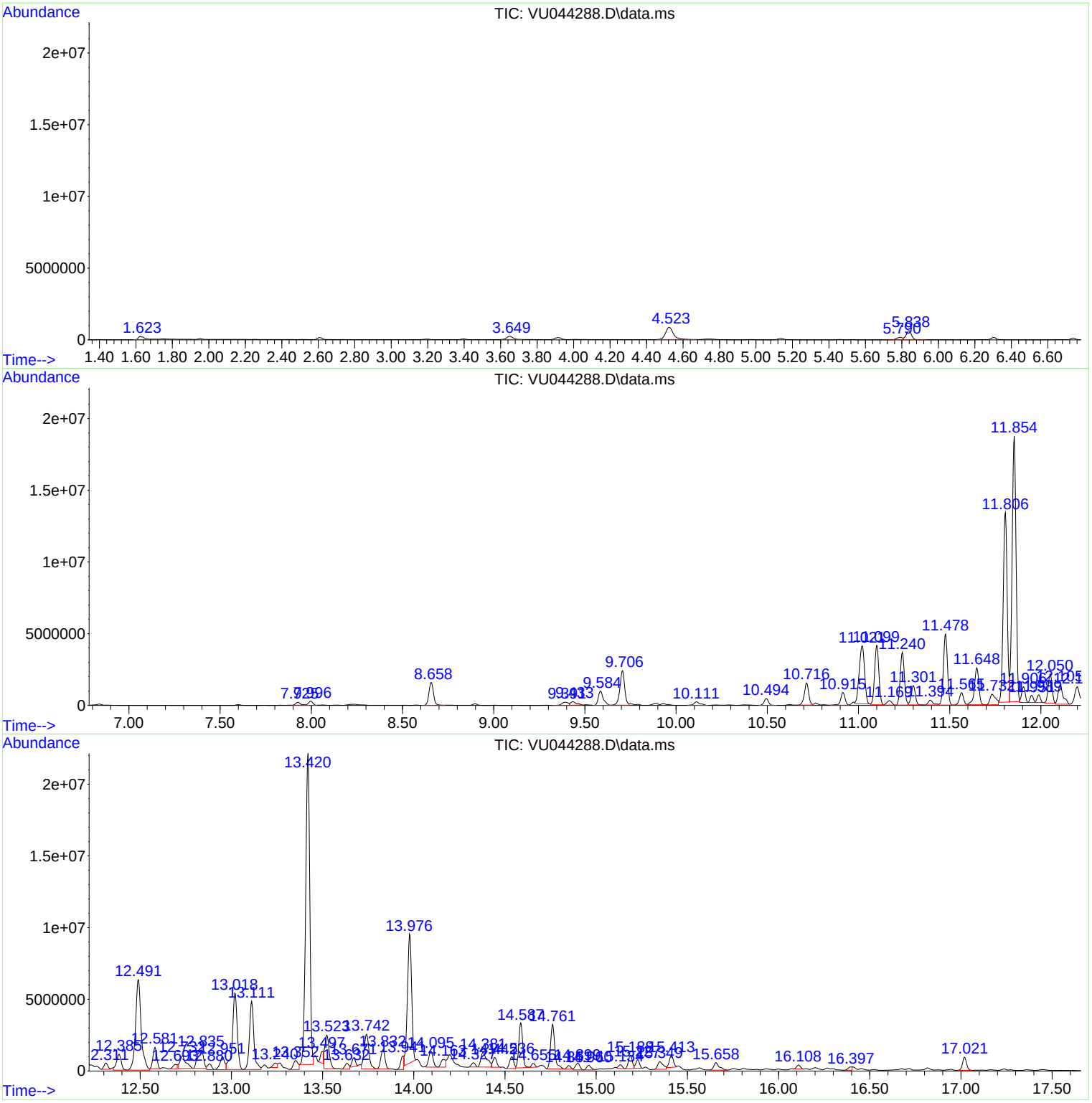
Acq On : 01 Jul 2021 16:02
Operator : SY/MD
Sample : M2905-21
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DBK32

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR062121WMA.M
Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070121\
Data File : VU044288.D
Acq On : 01 Jul 2021 16:02
Operator : SY/MD
Sample : M2905-21
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBK32

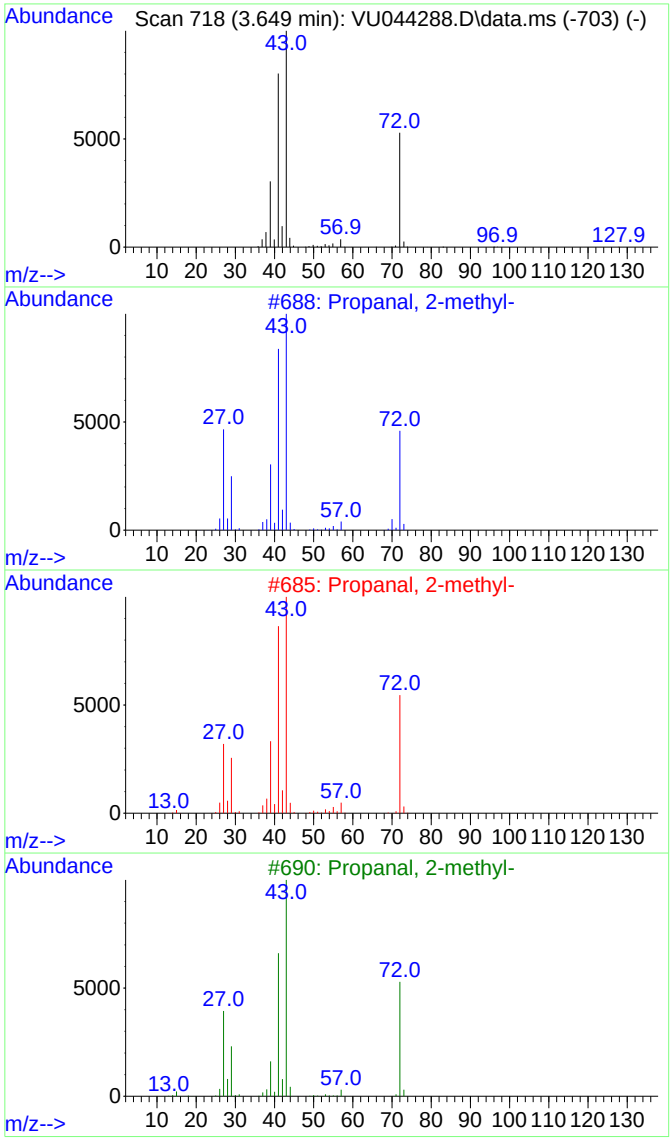
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR062121WMA.M
Quant Title : TRACE VOA SFAM1.0

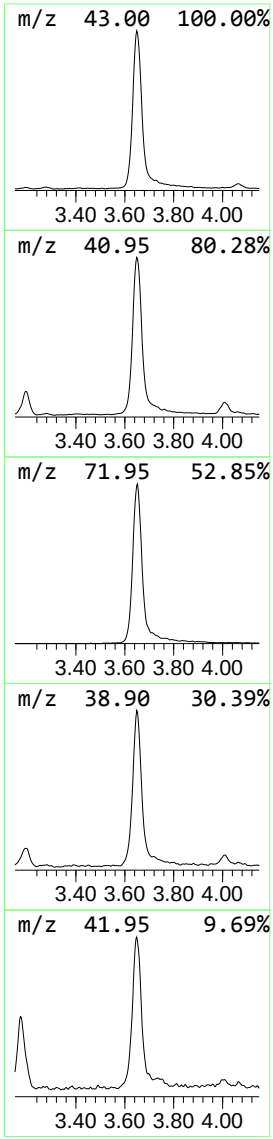
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Propanal, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.649	2.19 ug/L	556022	1,4-Difluorobenzene	6.301

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanal, 2-methyl-	72	C4H8O	000078-84-2	91
2	Propanal, 2-methyl-	72	C4H8O	000078-84-2	86
3	Propanal, 2-methyl-	72	C4H8O	000078-84-2	78
4	1-Propene, 3-methoxy-	72	C4H8O	000627-40-7	53
5	Propanal, 2-methyl-	72	C4H8O	000078-84-2	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070121\
Data File : VU044288.D
Acq On : 01 Jul 2021 16:02
Operator : SY/MD
Sample : M2905-21
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBK32

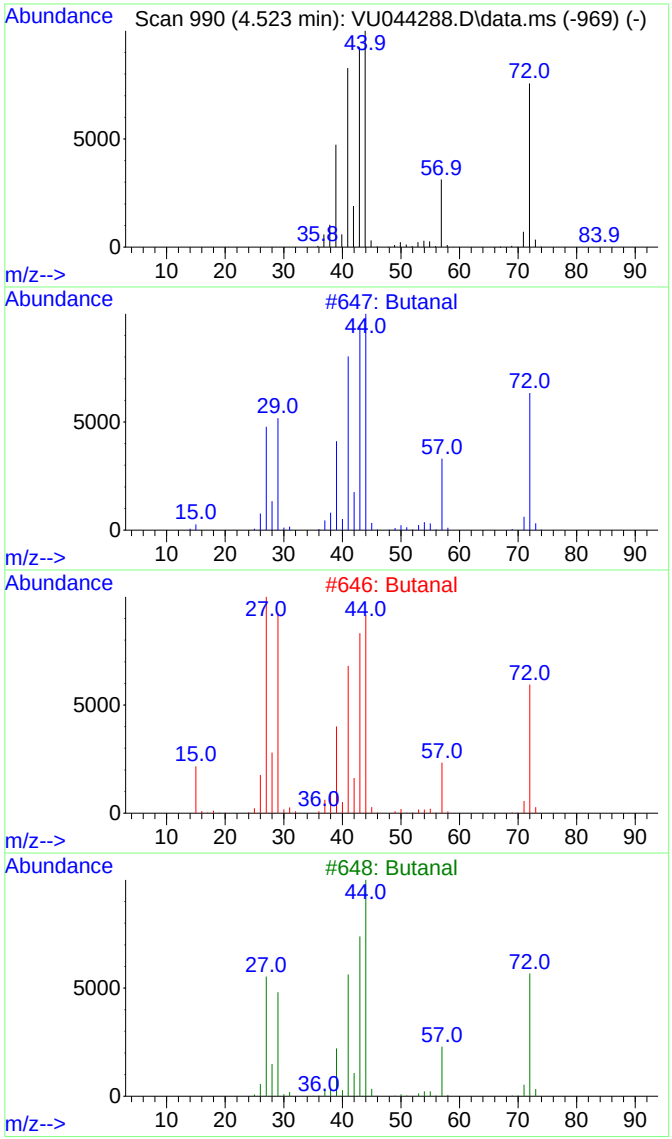
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR062121WMA.M
Quant Title : TRACE VOA SFAM1.0

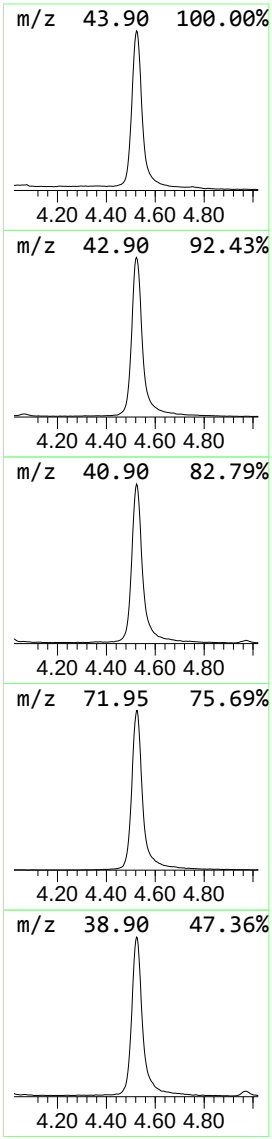
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Butanal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.523	10.22 ug/L	2590010	1,4-Difluorobenzene	6.301

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanal	72	C4H8O	000123-72-8	94
2	Butanal	72	C4H8O	000123-72-8	91
3	Butanal	72	C4H8O	000123-72-8	72
4	Butanal	72	C4H8O	000123-72-8	59
5	Ethene, ethoxy-	72	C4H8O	000109-92-2	52





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070121\
Data File : VU044288.D
Acq On : 01 Jul 2021 16:02
Operator : SY/MD
Sample : M2905-21
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBK32

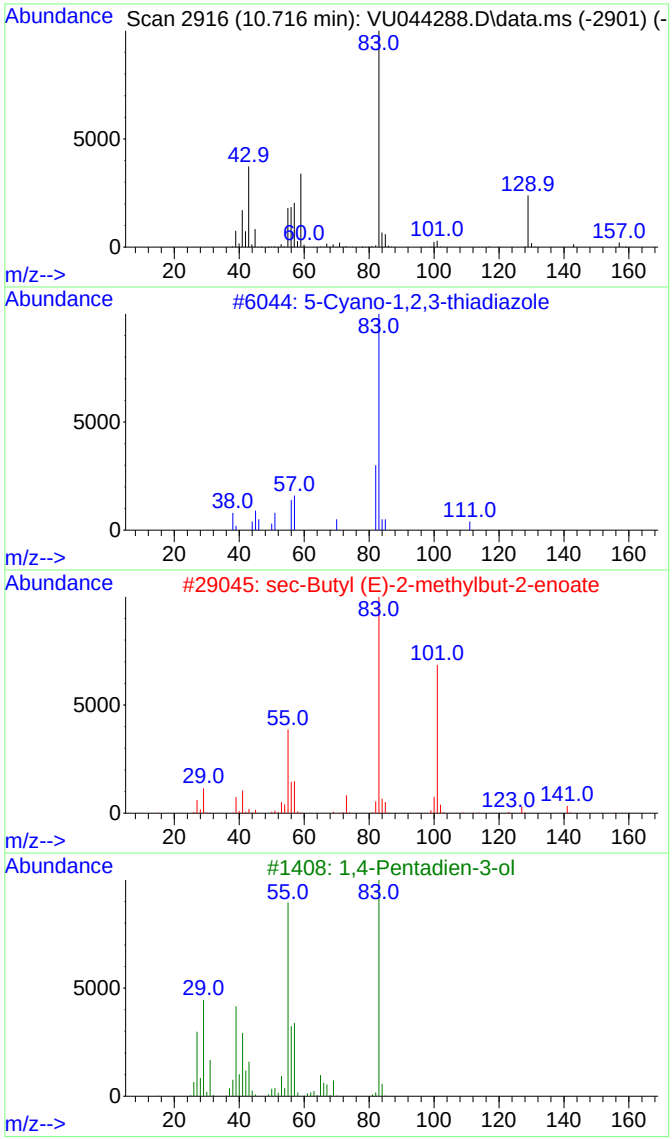
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR062121WMA.M
Quant Title : TRACE VOA SFAM1.0

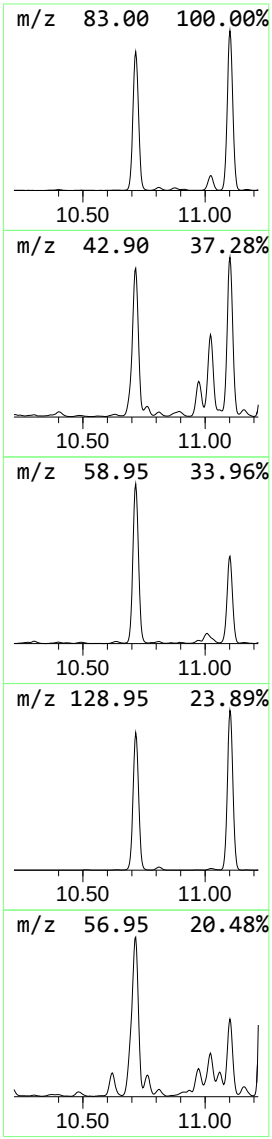
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 unknown-01 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.716	0.64 ug/L	2587230	1,4-Dichlorobenzene-d4	11.822

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Cyano-1,2,3-thiadiazole	111	C3HN3S	057352-02-0	40
2	sec-Butyl (E)-2-methylbut-2-enoate	156	C9H16O2	1000373-72-7	33
3	1,4-Pentadien-3-ol	84	C5H8O	000922-65-6	9
4	.alpha.-Amino-2,5-dihydro-5-meth...	157	C7H11NO3	018455-25-9	9
5	1H-Imidazol-2-amine	83	C3H5N3	007720-39-0	9





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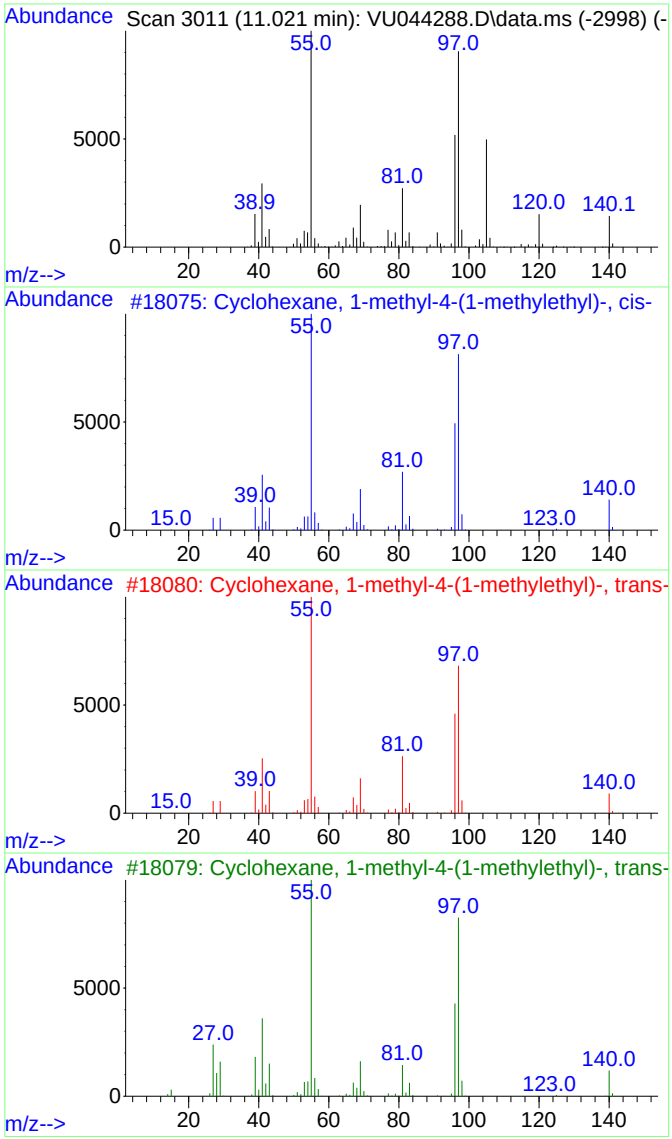
Quant Title : TRACE VOA SFAM1.0

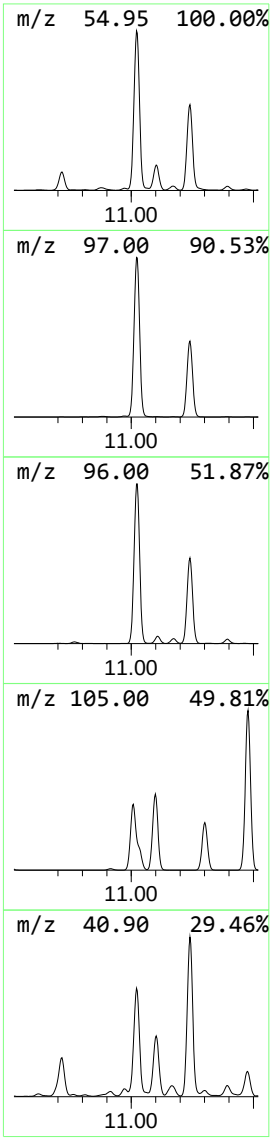
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Cyclic11.021 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.021	2.05 ug/L	8235080	1,4-Dichlorobenzene-d4	11.822

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	95
2	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	93
3	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	87
4	1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	87
5	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	87





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ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBK32

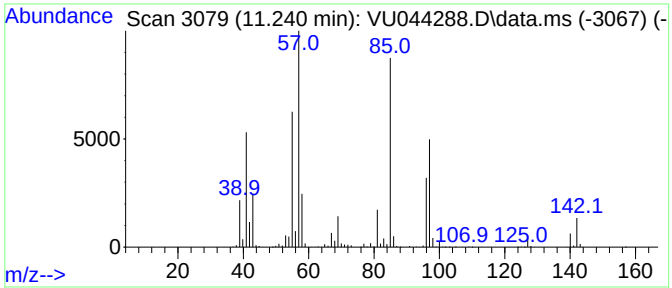
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR062121WMA.M
Quant Title : TRACE VOA SFAM1.0

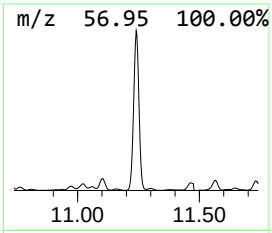
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

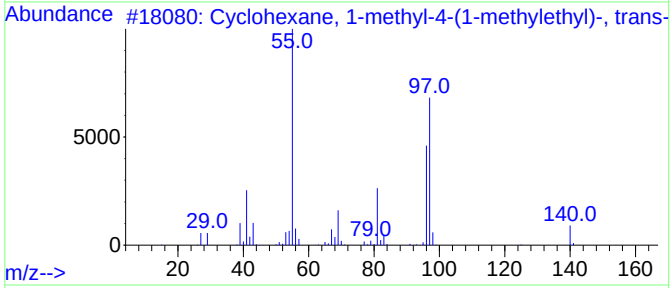
****
Peak Number 5 (DEL) Alkane: Cyclic11.240 Concentration Rank 9

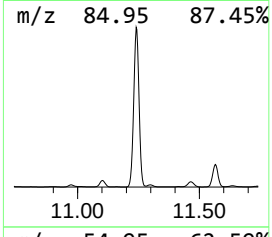
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.240	1.43 ug/L	5751520	1,4-Dichlorobenzene-d4	11.822

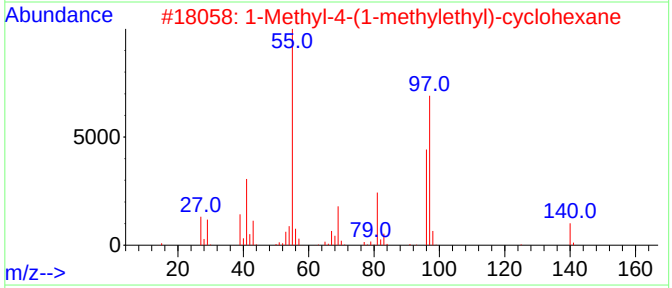
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	64
2	1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	64
3	4-Heptanone, 2,6-dimethyl-	142	C9H18O	000108-83-8	64
4	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	60
5	4-Octanone, 2-methyl-	142	C9H18O	007492-38-8	46

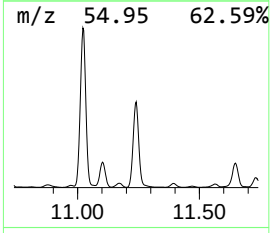


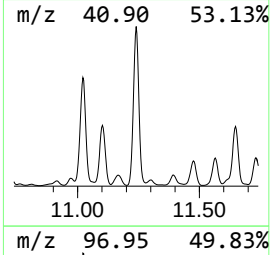


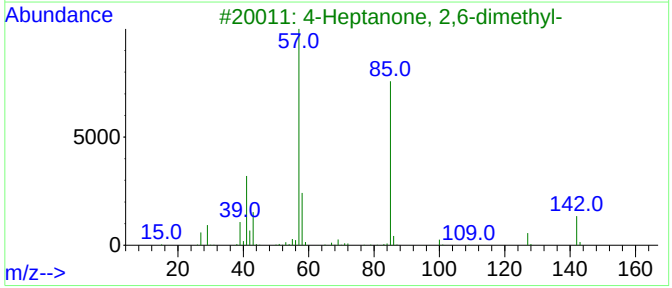


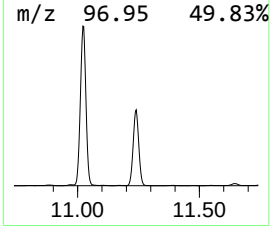












Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070121\
Data File : VU044288.D
Acq On : 01 Jul 2021 16:02
Operator : SY/MD
Sample : M2905-21
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBK32

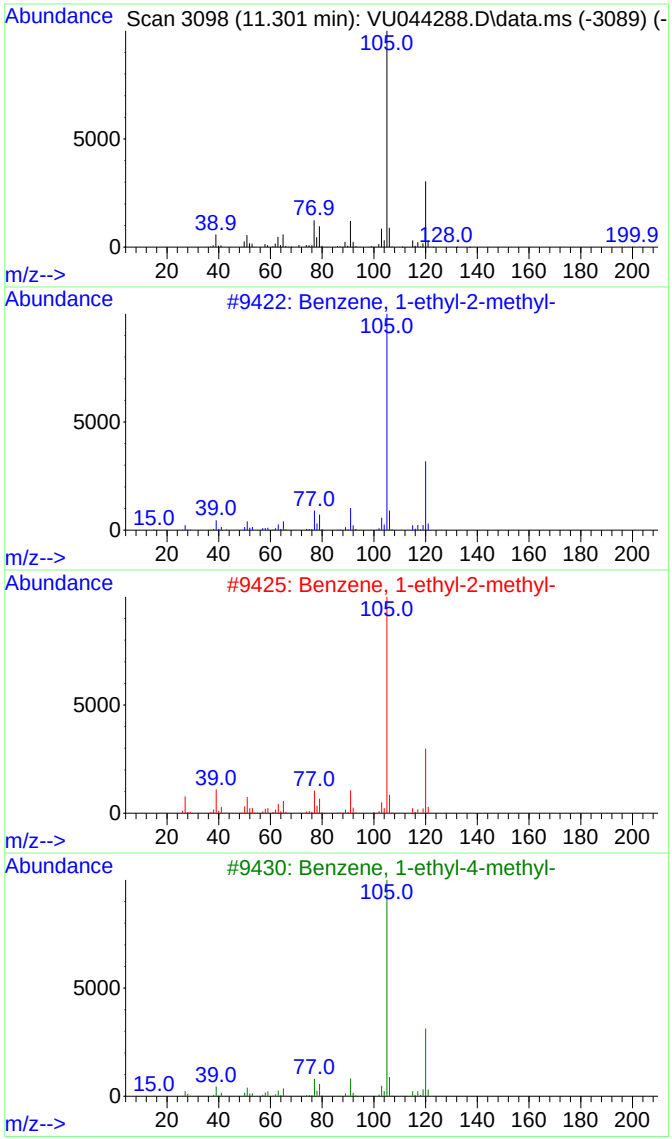
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR062121WMA.M
Quant Title : TRACE VOA SFAM1.0

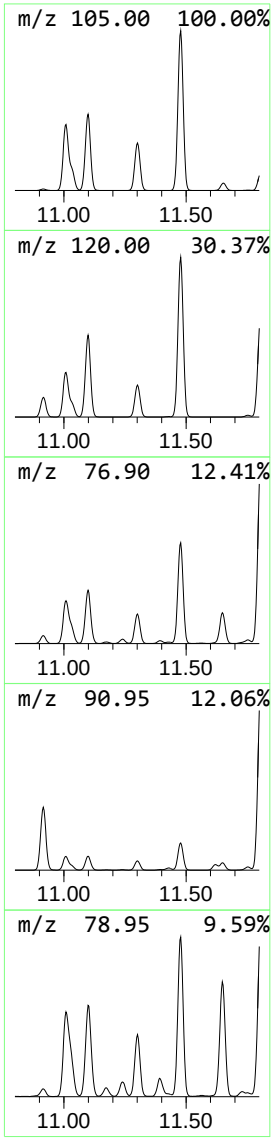
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Benzene, 1-ethyl-2-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.301	0.52 ug/L	2079360	1,4-Dichlorobenzene-d4	11.822

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5	Mesitylene	120	C9H12	000108-67-8	91





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Data File : VU044288.D
Acq On : 01 Jul 2021 16:02
Operator : SY/MD
Sample : M2905-21
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBK32

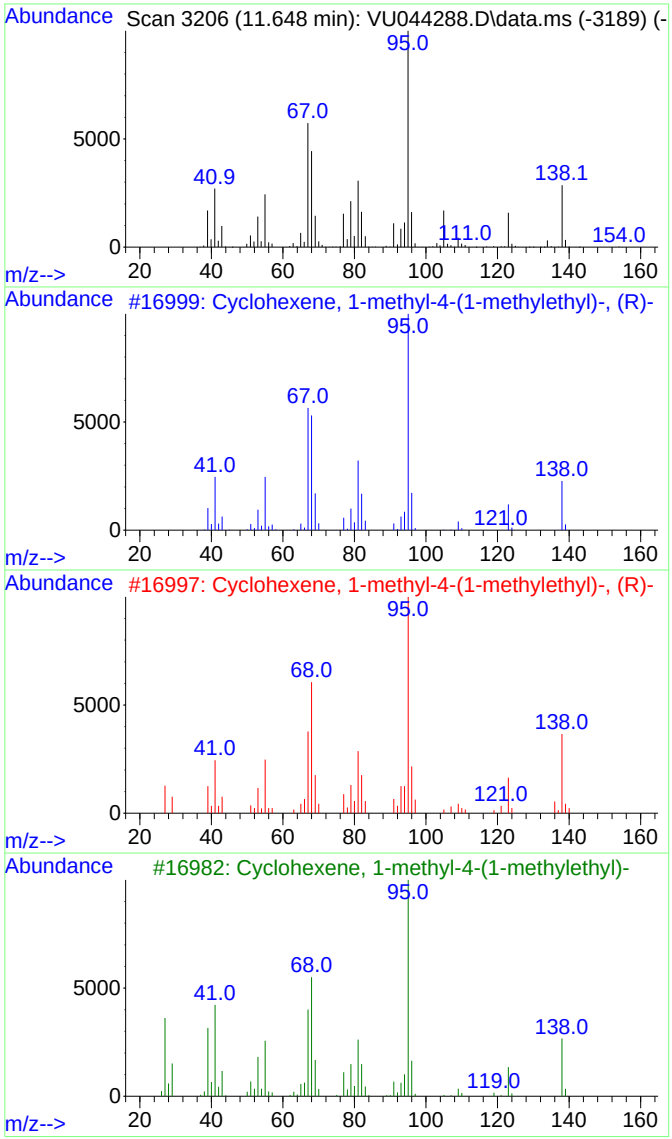
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR062121WMA.M
Quant Title : TRACE VOA SFAM1.0

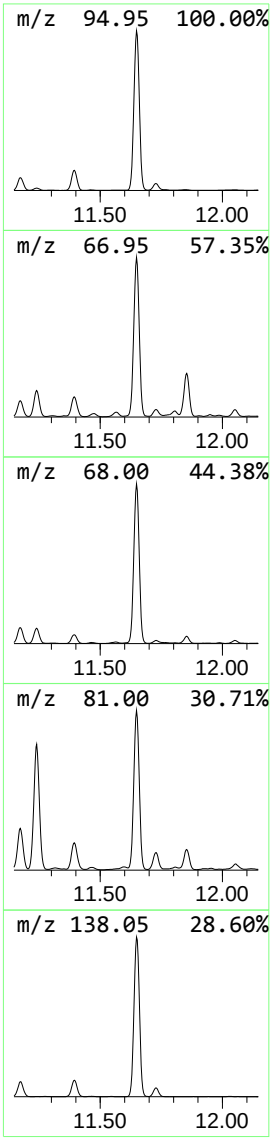
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Cyclohexene, 1-methyl-4-(1-... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.648	1.08 ug/L	4326690	1,4-Dichlorobenzene-d4	11.822

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-methyl-4-(1-methy...	138	C10H18	001195-31-9	95
2	Cyclohexene, 1-methyl-4-(1-methy...	138	C10H18	001195-31-9	90
3	Cyclohexene, 1-methyl-4-(1-methy...	138	C10H18	005502-88-5	90
4	Cyclohexene, 1-methyl-4-(1-methy...	138	C10H18	005502-88-5	86
5	Cyclohexene, 1-methyl-4-(1-methy...	138	C10H18	005502-88-5	81





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Data File : VU044288.D
Acq On : 01 Jul 2021 16:02
Operator : SY/MD
Sample : M2905-21
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DBK32

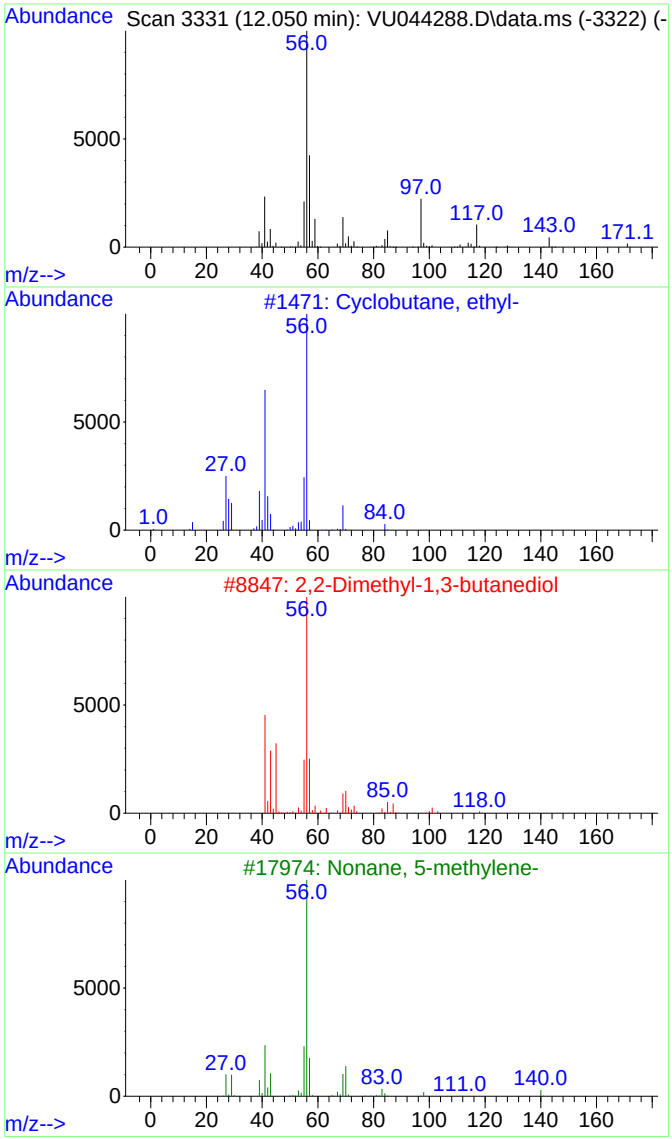
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR062121WMA.M
Quant Title : TRACE VOA SFAM1.0

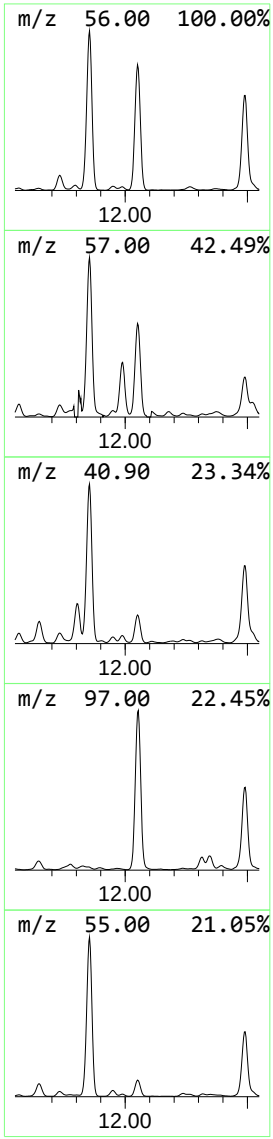
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (DEL) Alkane: Cyclic12.050 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.050	0.74 ug/L	2979210	1,4-Dichlorobenzene-d4	11.822

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane, ethyl-	84	C6H12	004806-61-5	47
2	2,2-Dimethyl-1,3-butanediol	118	C6H14O2	000076-35-7	40
3	Nonane, 5-methylene-	140	C10H20	006795-79-5	33
4	Hexane, 3,4-dimethyl-	114	C8H18	000583-48-2	10
5	1-Hexene, 5-methyl-	98	C7H14	003524-73-0	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070121\
Data File : VU044288.D
Acq On : 01 Jul 2021 16:02
Operator : SY/MD
Sample : M2905-21
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DBK32

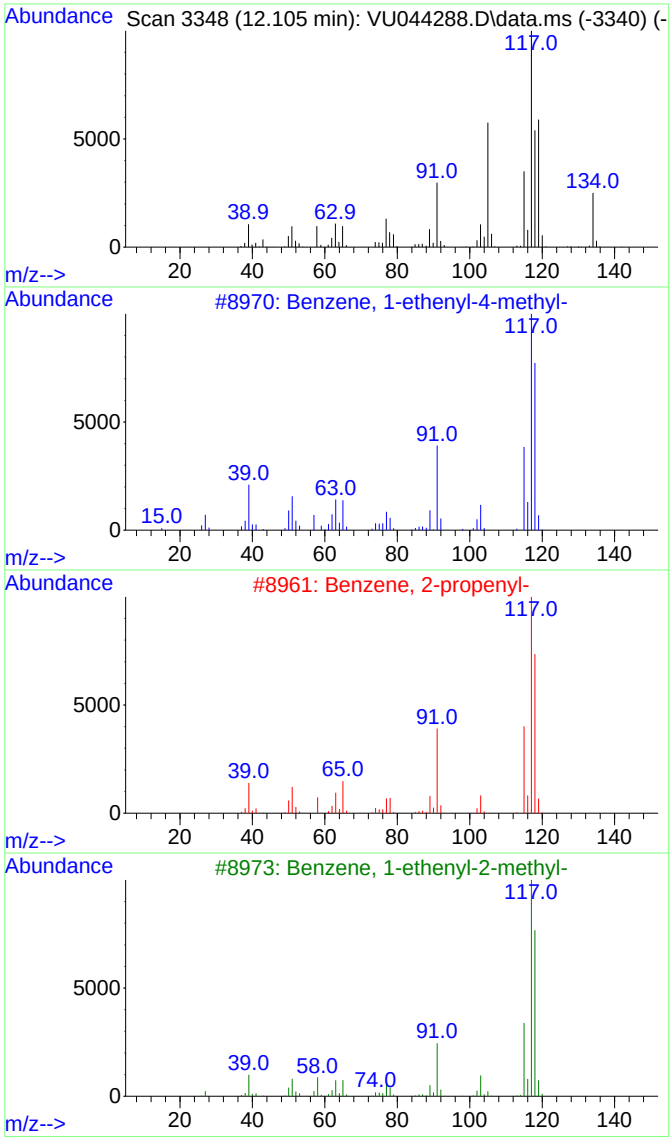
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR062121WMA.M
Quant Title : TRACE VOA SFAM1.0

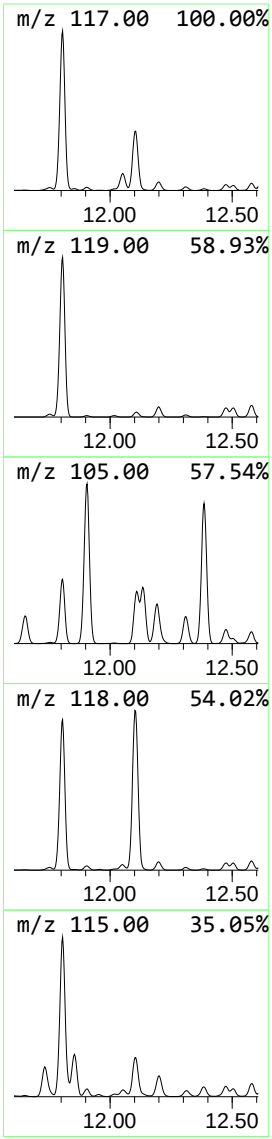
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Benzene, 1-ethenyl-4-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.105	0.64 ug/L	2557420	1,4-Dichlorobenzene-d4	11.822

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	83
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	80
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	60
4	Indane	118	C9H10	000496-11-7	60
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	60





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070121\
Data File : VU044288.D
Acq On : 01 Jul 2021 16:02
Operator : SY/MD
Sample : M2905-21
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBK32

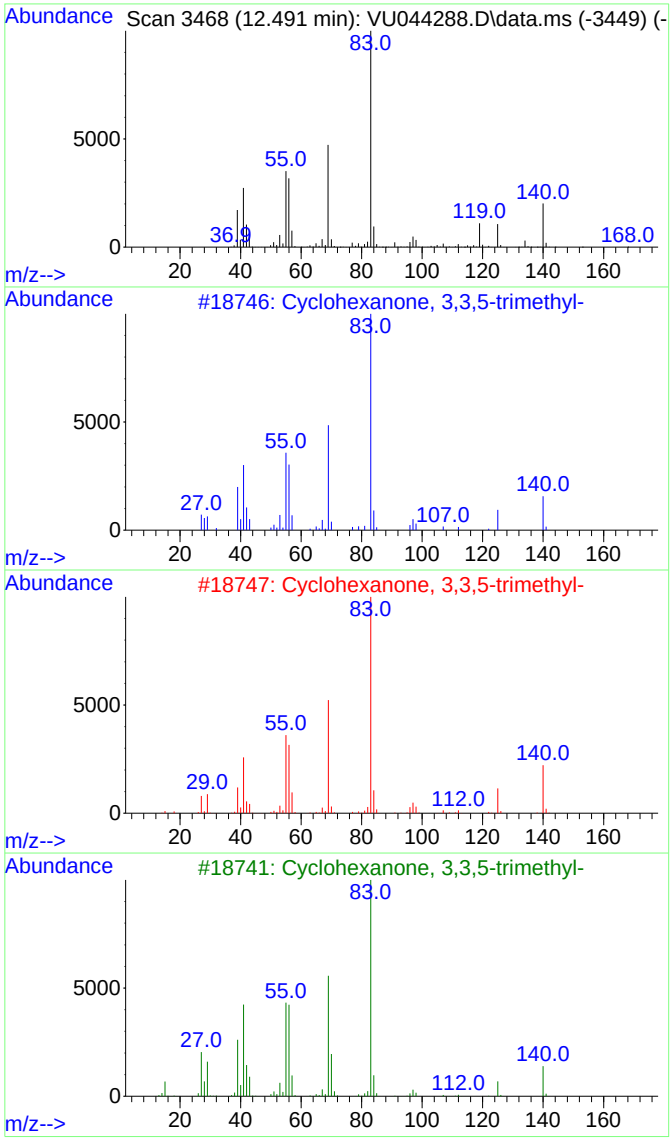
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR062121WMA.M
Quant Title : TRACE VOA SFAM1.0

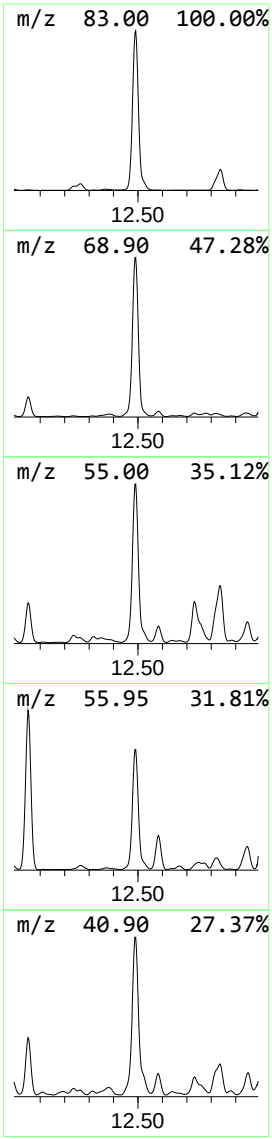
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Cyclohexanone, 3,3,5-trimet... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.491	3.32 ug/L	13354400	1,4-Dichlorobenzene-d4	11.822

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	97
2	Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	96
3	Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	91
4	Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	80
5	1,3-Cyclohexanedione, 5,5-dimethyl-	140	C8H12O2	000126-81-8	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070121\
Data File : VU044288.D
Acq On : 01 Jul 2021 16:02
Operator : SY/MD
Sample : M2905-21
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBK32

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR062121WMA.M
Quant Title : TRACE VOA SFAM1.0

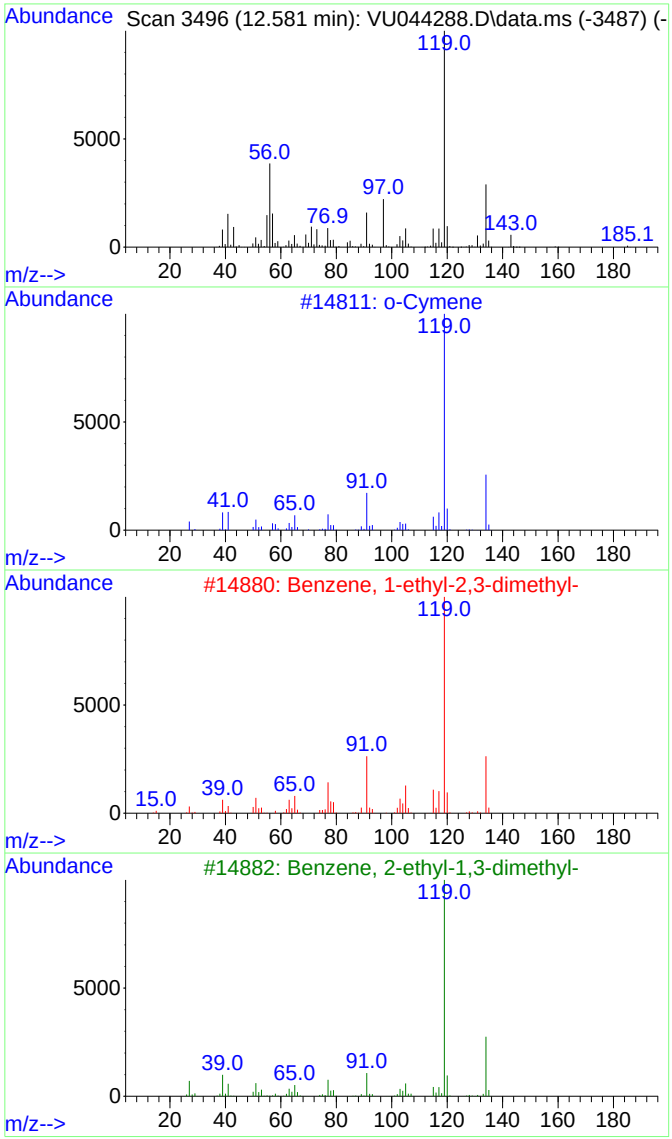
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

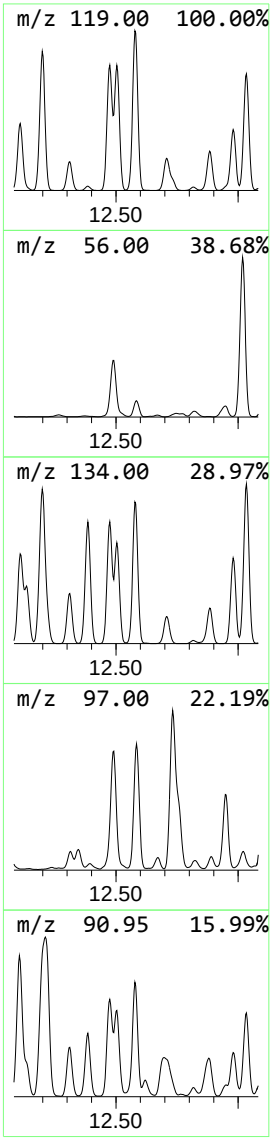
****

Peak Number 11 o-Cymene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.581	0.54 ug/L	2162150	1,4-Dichlorobenzene-d4	11.822

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	93
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	93
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	92
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	92
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	92





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070121\
Data File : VU044288.D
Acq On : 01 Jul 2021 16:02
Operator : SY/MD
Sample : M2905-21
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBK32

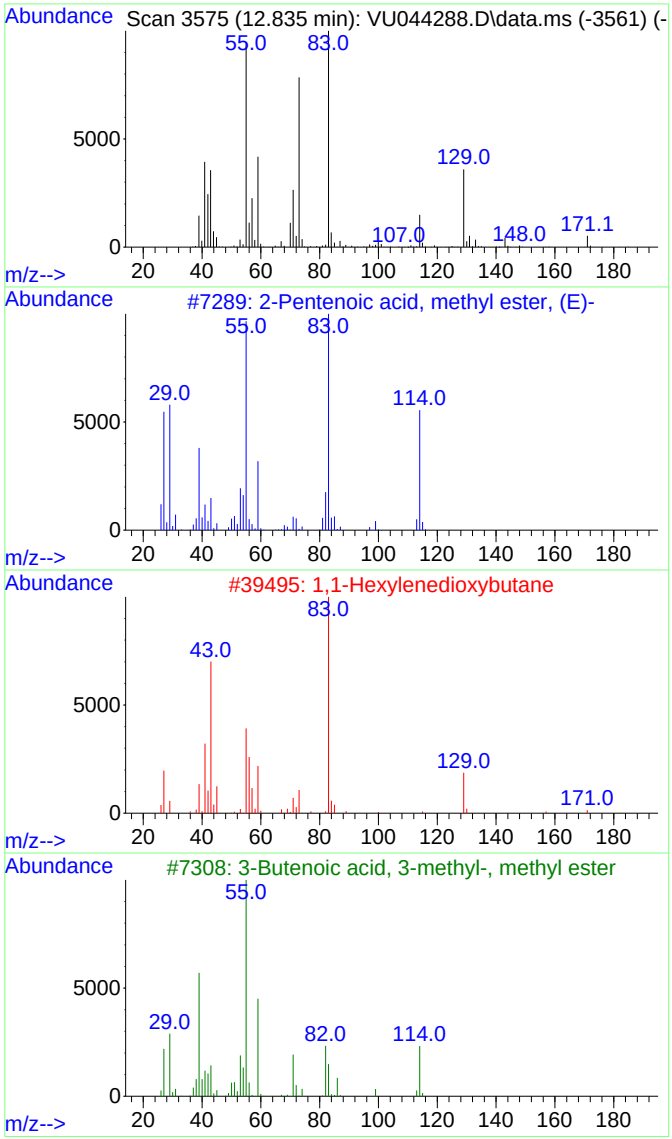
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR062121WMA.M
Quant Title : TRACE VOA SFAM1.0

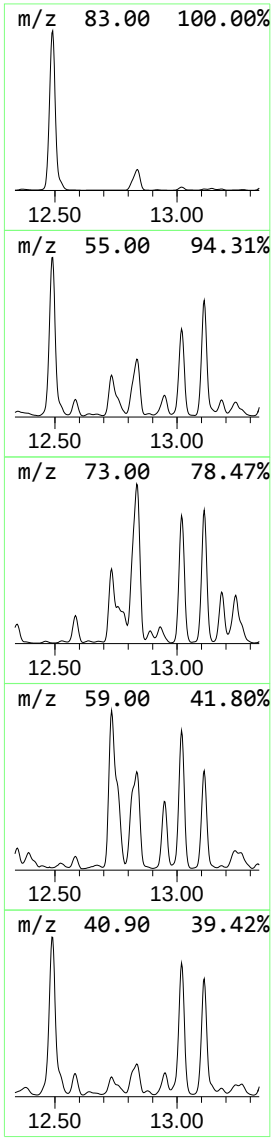
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 unknown-02 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.835	0.75 ug/L	3012360	1,4-Dichlorobenzene-d4	11.822

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentenoic acid, methyl ester, ...	114	C6H10O2	015790-88-2	43
2	1,1-Hexylenedioxybutane	172	C10H20O2	1000249-77-4	37
3	3-Butenoic acid, 3-methyl-, meth...	114	C6H10O2	025859-52-3	30
4	1,3-Oxathiane, 5-isopropyl-2-met...	160	C8H16OS	1000139-33-0	28
5	4H-1,2,4-Triazole, 4-methyl-	83	C3H5N3	010570-40-8	27





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070121\
Data File : VU044288.D
Acq On : 01 Jul 2021 16:02
Operator : SY/MD
Sample : M2905-21
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DBK32

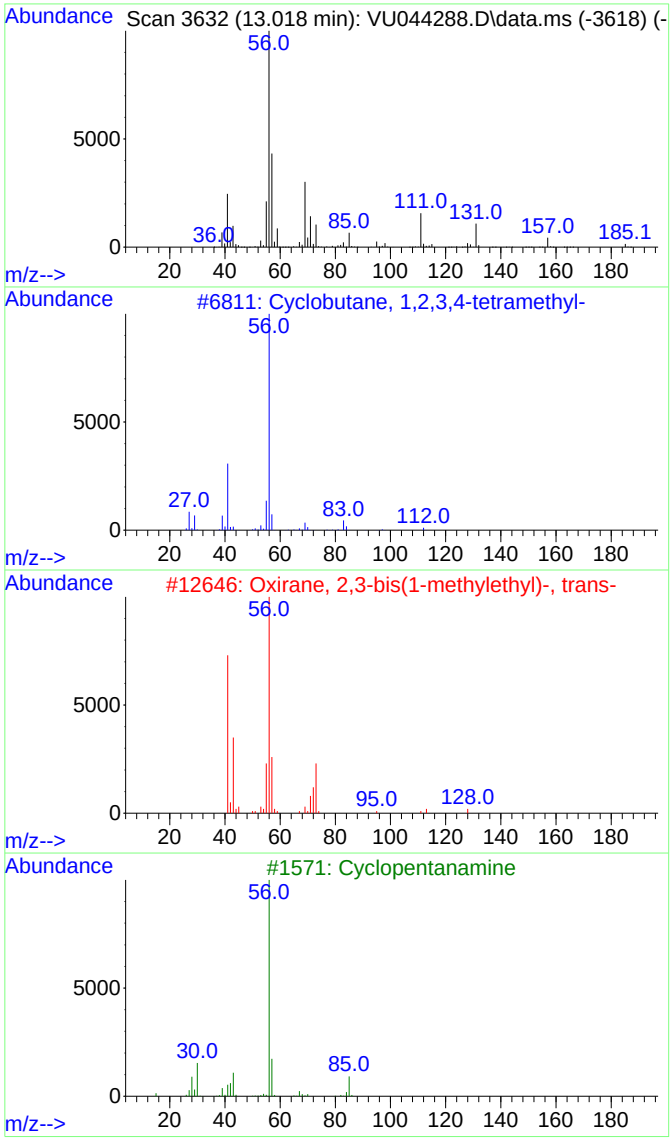
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR062121WMA.M
Quant Title : TRACE VOA SFAM1.0

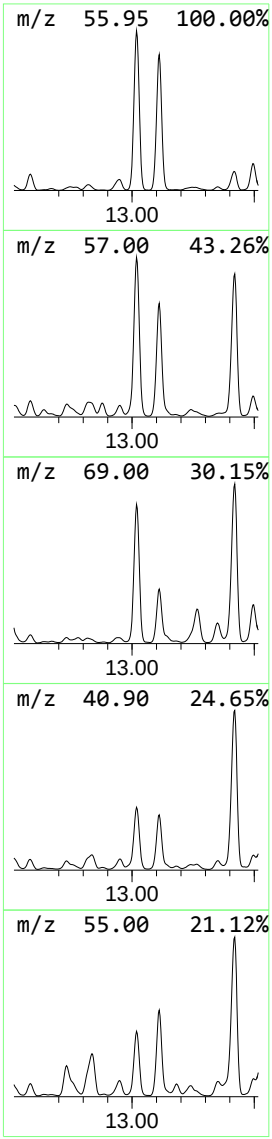
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 (DEL) Alkane: Cyclic13.018 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.018	2.41 ug/L	9693490	1,4-Dichlorobenzene-d4	11.822

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane, 1,2,3,4-tetramethyl-	112	C8H16	069531-57-3	43
2	Oxirane, 2,3-bis(1-methylethyl)-...	128	C8H16O	054644-32-5	40
3	Cyclopentanamine	85	C5H11N	001003-03-8	40
4	Cyclopentane, (1,1-dimethylethyl)-	126	C9H18	003875-52-3	38
5	1-Oxa-4-azaspiro[4.5]decan-4-oxy...	198	C10H16NO3	1000115-84-0	36





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070121\
Data File : VU044288.D
Acq On : 01 Jul 2021 16:02
Operator : SY/MD
Sample : M2905-21
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DBK32

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR062121WMA.M
Quant Title : TRACE VOA SFAM1.0

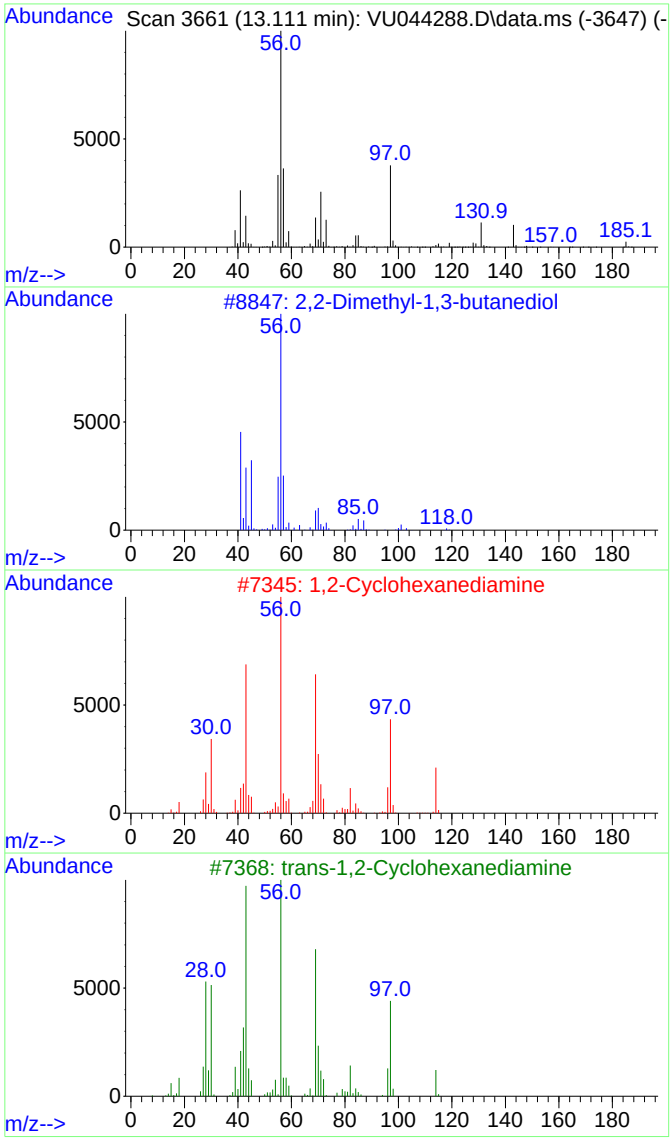
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

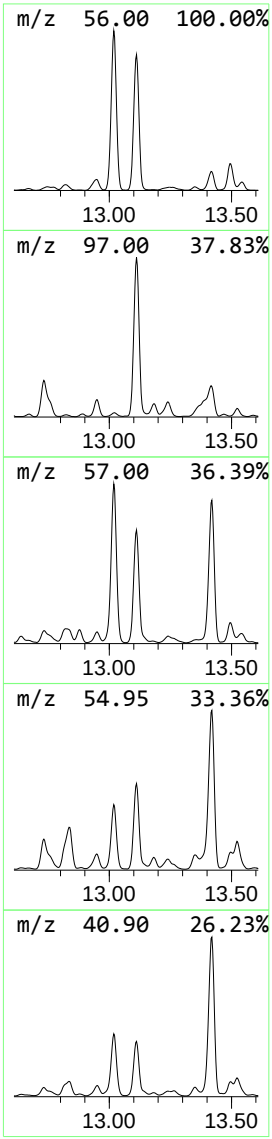
****

Peak Number 14 unknown-03 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.111	1.97 ug/L	7908540	1,4-Dichlorobenzene-d4	11.822

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-Dimethyl-1,3-butanediol	118	C6H14O2	000076-35-7	47
2	1,2-Cyclohexanediamine	114	C6H14N2	000694-83-7	33
3	trans-1,2-Cyclohexanediamine	114	C6H14N2	001121-22-8	33
4	1-Hexene, 2,5-dimethyl-	112	C8H16	006975-92-4	32
5	1-Hexene, 2-methyl-	98	C7H14	006094-02-6	23





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070121\
Data File : VU044288.D
Acq On : 01 Jul 2021 16:02
Operator : SY/MD
Sample : M2905-21
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DBK32

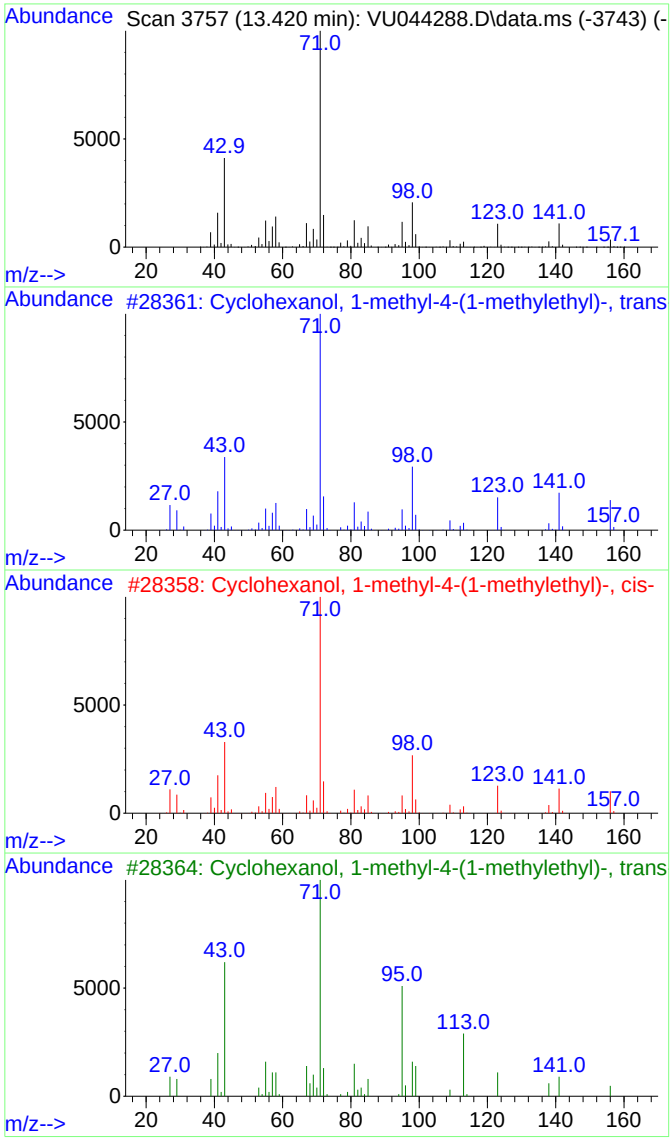
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR062121WMA.M
Quant Title : TRACE VOA SFAM1.0

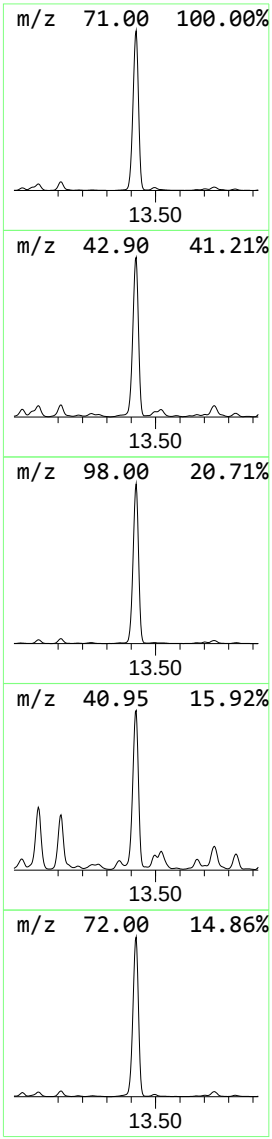
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Cyclohexanol, 1-methyl-4-(1... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.420	8.52 ug/L	34276500	1,4-Dichlorobenzene-d4	11.822

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanol, 1-methyl-4-(1-meth...	156	C10H20O	003901-93-7	94
2	Cyclohexanol, 1-methyl-4-(1-meth...	156	C10H20O	003901-95-9	91
3	Cyclohexanol, 1-methyl-4-(1-meth...	156	C10H20O	003901-93-7	72
4	Cyclooctane, methoxy-	142	C9H18O	013213-32-6	52
5	2,4-Dimethyl-1-penten-3-ol	114	C7H14O	019781-54-5	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070121\
Data File : VU044288.D
Acq On : 01 Jul 2021 16:02
Operator : SY/MD
Sample : M2905-21
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBK32

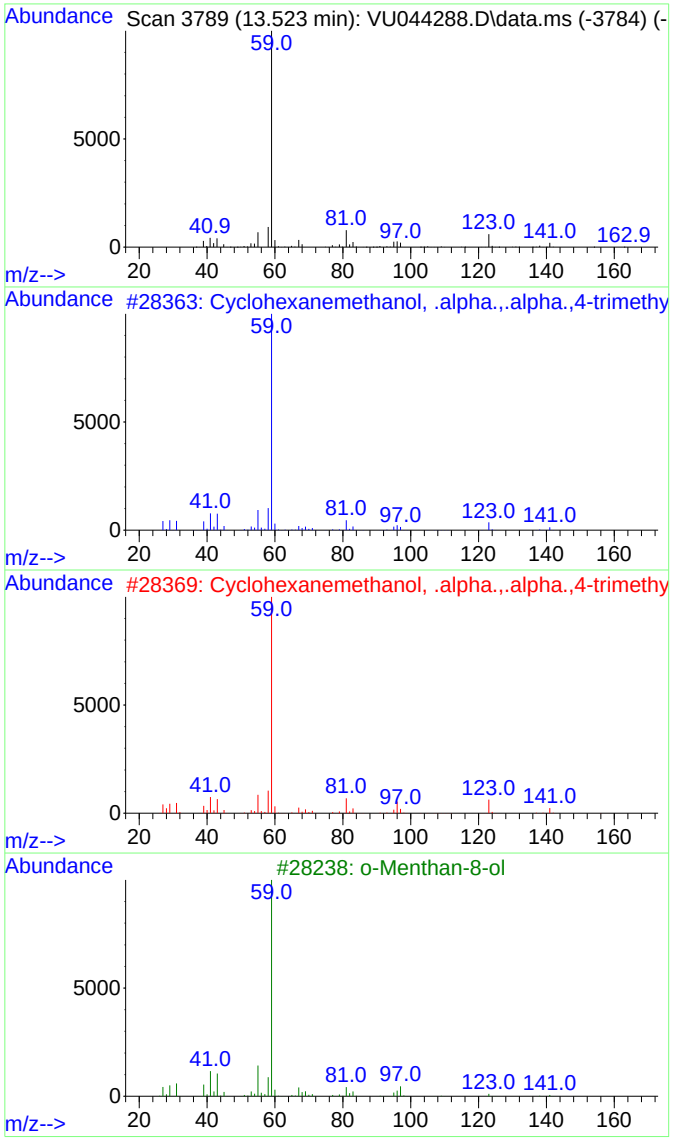
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR062121WMA.M
Quant Title : TRACE VOA SFAM1.0

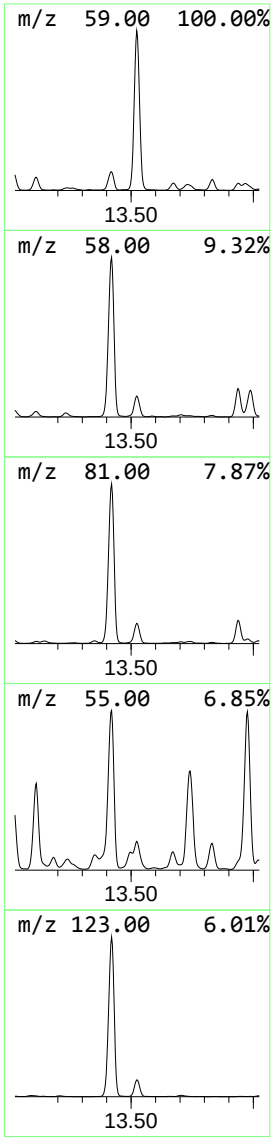
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Cyclohexanemethanol, .alpha... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.523	0.93 ug/L	3737900	1,4-Dichlorobenzene-d4	11.822

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanemethanol, .alpha.,.al...	156	C10H20O	000498-81-7	83
2	Cyclohexanemethanol, .alpha.,.al...	156	C10H20O	005114-00-1	83
3	o-Menthan-8-ol	156	C10H20O	343855-44-7	72
4	Cyclohexanemethanol, .alpha.,.al...	156	C10H20O	007322-63-6	64
5	Cyclohexanemethanol, .alpha.,.al...	156	C10H20O	000498-81-7	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070121\
Data File : VU044288.D
Acq On : 01 Jul 2021 16:02
Operator : SY/MD
Sample : M2905-21
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBK32

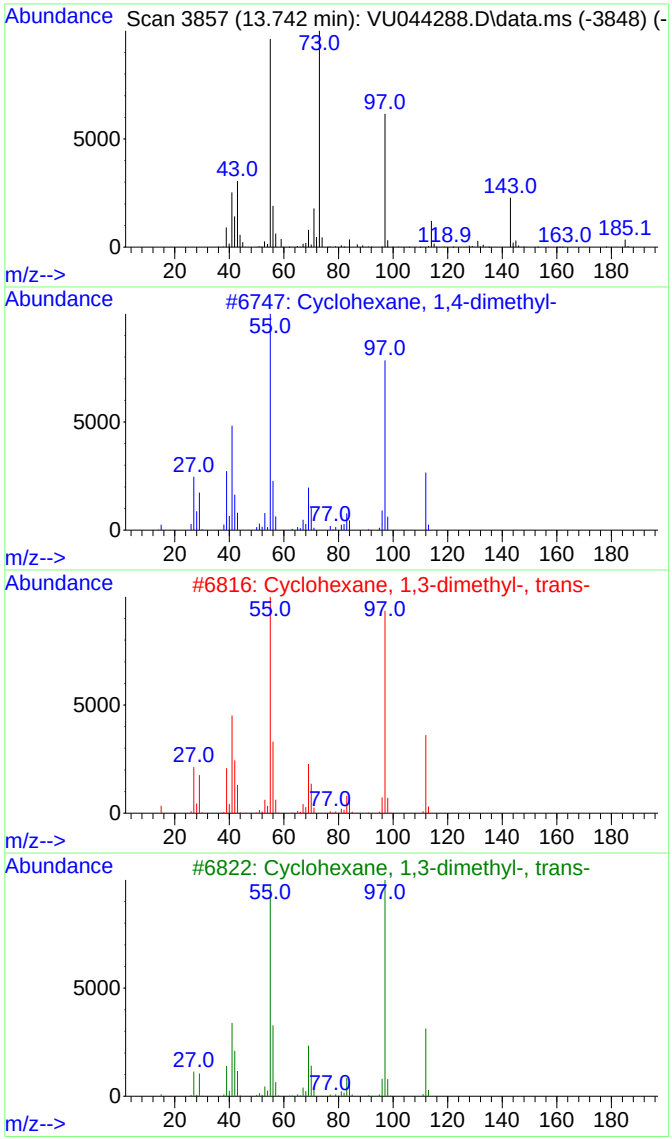
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR062121WMA.M
Quant Title : TRACE VOA SFAM1.0

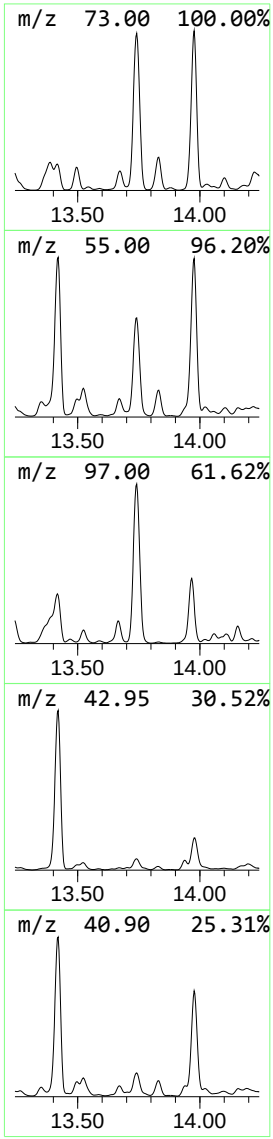
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 (DEL) Alkane: Cyclic13.742 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.742	1.11 ug/L	4447970	1,4-Dichlorobenzene-d4	11.822

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	43
2	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	17
3	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	17
4	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	17
5	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	17





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070121\
Data File : VU044288.D
Acq On : 01 Jul 2021 16:02
Operator : SY/MD
Sample : M2905-21
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBK32

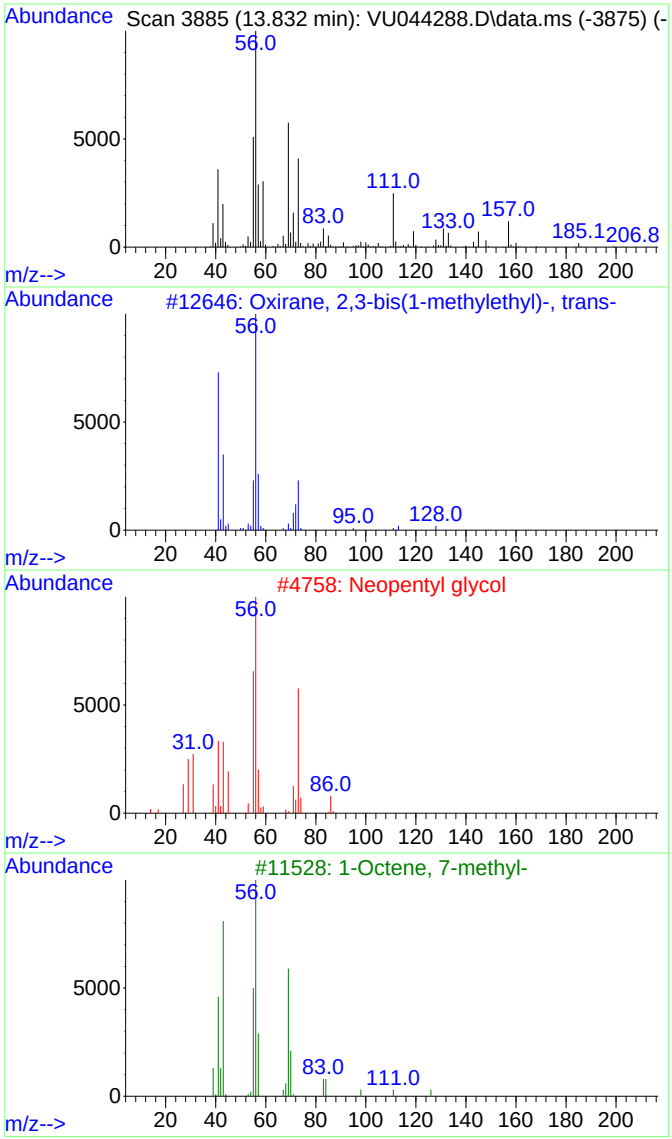
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR062121WMA.M
Quant Title : TRACE VOA SFAM1.0

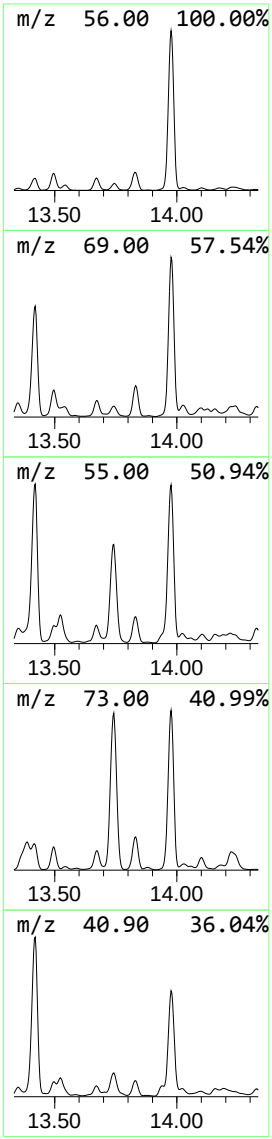
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 unknown-04 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.832	0.52 ug/L	2103030	1,4-Dichlorobenzene-d4	11.822

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, 2,3-bis(1-methylethyl)-...	128	C8H16O	054644-32-5	47
2	Neopentyl glycol	104	C5H12O2	000126-30-7	43
3	1-Octene, 7-methyl-	126	C9H18	013151-06-9	32
4	1-Heptene, 2,6-dimethyl-	126	C9H18	003074-78-0	32
5	2,4-Dipropyl-5-ethyl-1,3-dioxane	200	C12H24O2	006413-83-8	25





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070121\
Data File : VU044288.D
Acq On : 01 Jul 2021 16:02
Operator : SY/MD
Sample : M2905-21
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBK32

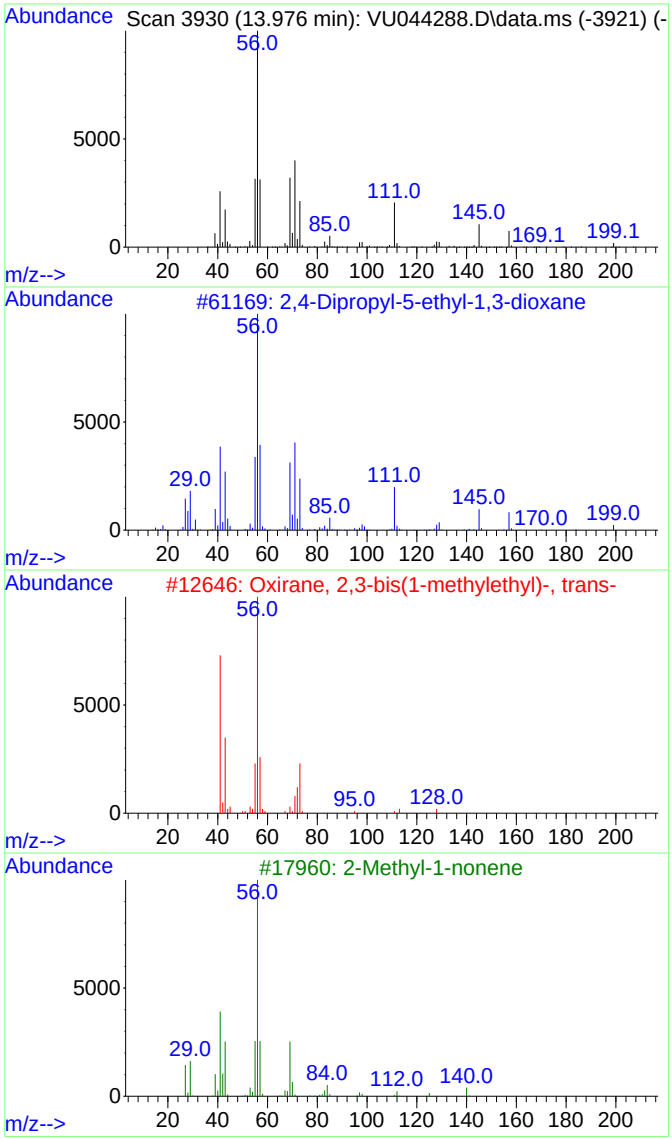
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR062121WMA.M
Quant Title : TRACE VOA SFAM1.0

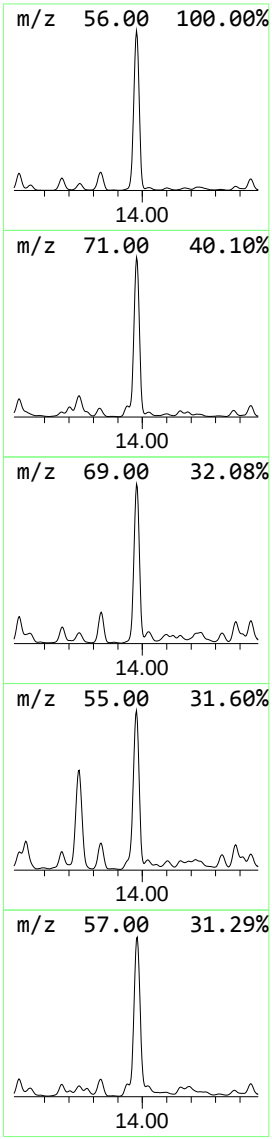
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 unknown-05 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.976	3.61 ug/L	14498200	1,4-Dichlorobenzene-d4	11.822

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Dipropyl-5-ethyl-1,3-dioxane	200	C12H24O2	006413-83-8	47
2	Oxirane, 2,3-bis(1-methylethyl)-...	128	C8H16O	054644-32-5	37
3	2-Methyl-1-nonene	140	C10H20	002980-71-4	27
4	1-Octene, 2-methyl-	126	C9H18	004588-18-5	17
5	Cyclobutane, 1,2,3,4-tetramethyl-	112	C8H16	069531-57-3	16





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070121\
Data File : VU044288.D
Acq On : 01 Jul 2021 16:02
Operator : SY/MD
Sample : M2905-21
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBK32

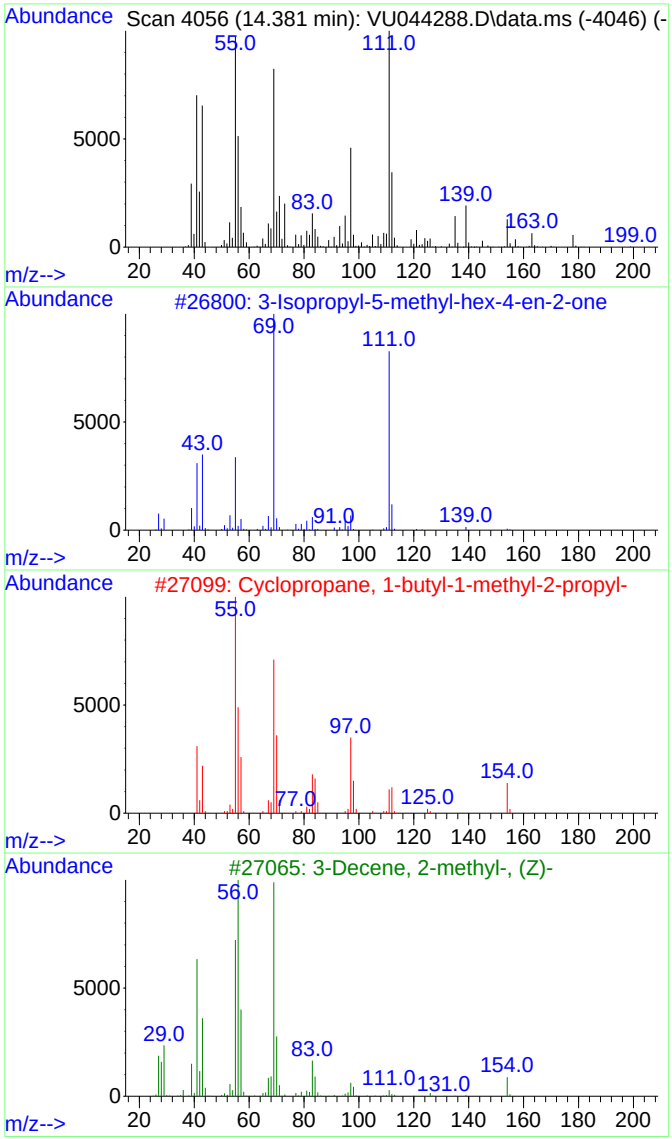
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR062121WMA.M
Quant Title : TRACE VOA SFAM1.0

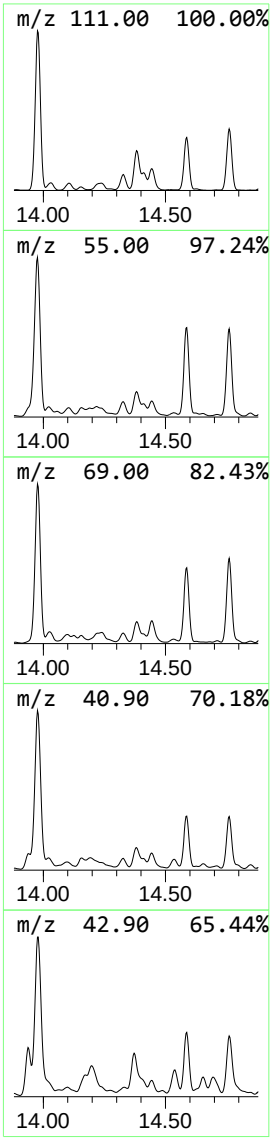
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 unknown-06 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.381	0.62 ug/L	2482280	1,4-Dichlorobenzene-d4	11.822

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Isopropyl-5-methyl-hex-4-en-2-one	154	C10H18O	077142-85-9	46
2	Cyclopropane, 1-butyl-1-methyl-2...	154	C11H22	041977-34-8	43
3	3-Decene, 2-methyl-, (Z)-	154	C11H22	055499-05-3	30
4	3-Undecene, (E)-	154	C11H22	001002-68-2	30
5	Cyclohexanone, 2-methyl-5-(1-met...	154	C10H18O	059471-80-6	30





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070121\
Data File : VU044288.D
Acq On : 01 Jul 2021 16:02
Operator : SY/MD
Sample : M2905-21
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBK32

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR062121WMA.M
Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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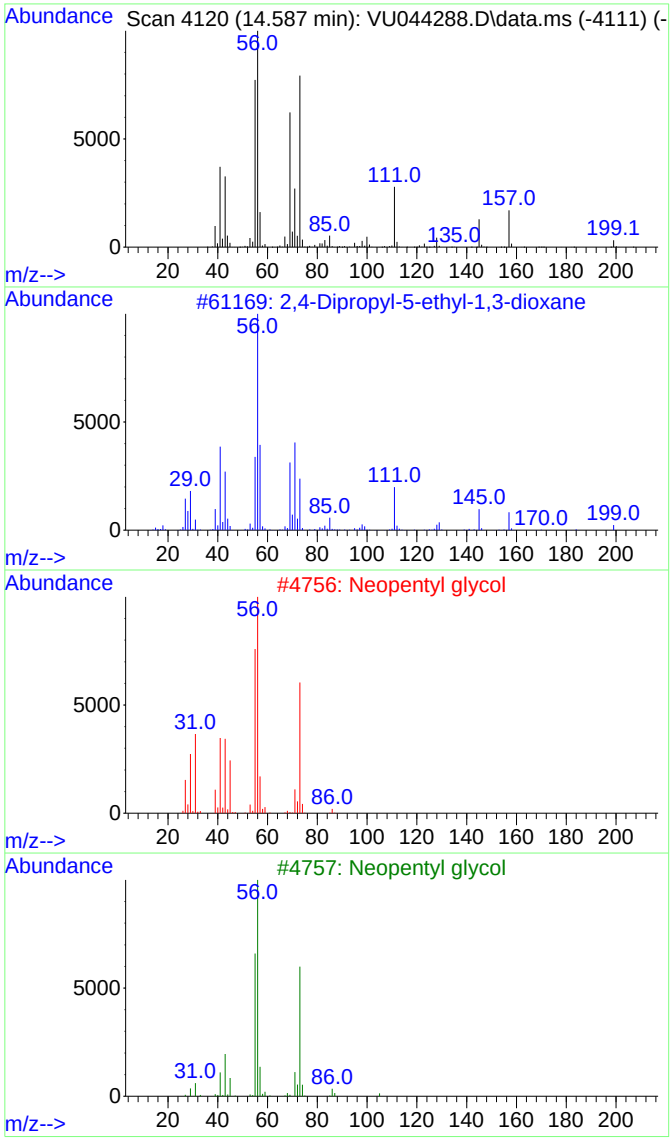
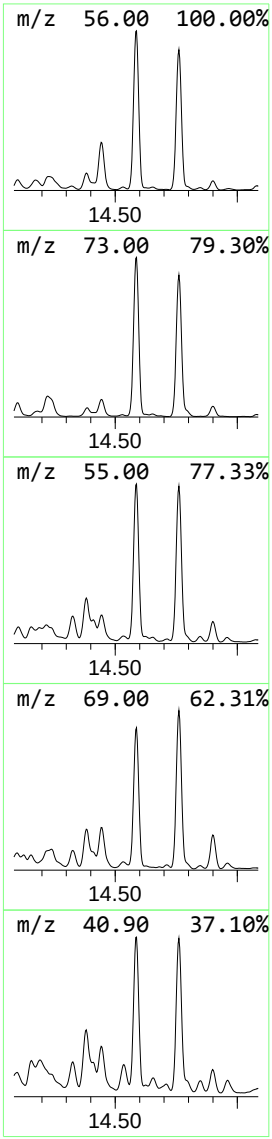
Peak Number 21 unknown-07 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.587	1.13 ug/L	4559450	1,4-Dichlorobenzene-d4	11.822

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Dipropyl-5-ethyl-1,3-dioxane	200	C12H24O2	006413-83-8	42
2	Neopentyl glycol	104	C5H12O2	000126-30-7	37
3	Neopentyl glycol	104	C5H12O2	000126-30-7	33
4	Neopentyl glycol	104	C5H12O2	000126-30-7	33
5	Hexyl trifluoroacetate	198	C8H13F3O2	000400-61-3	32





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070121\
Data File : VU044288.D
Acq On : 01 Jul 2021 16:02
Operator : SY/MD
Sample : M2905-21
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBK32

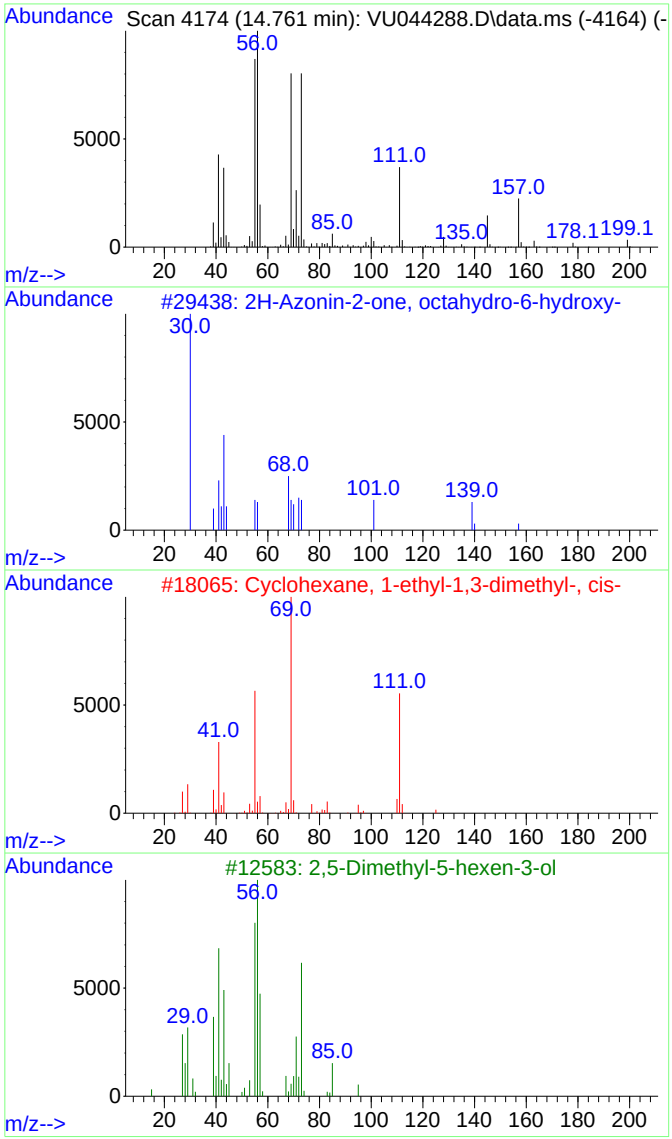
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR062121WMA.M
Quant Title : TRACE VOA SFAM1.0

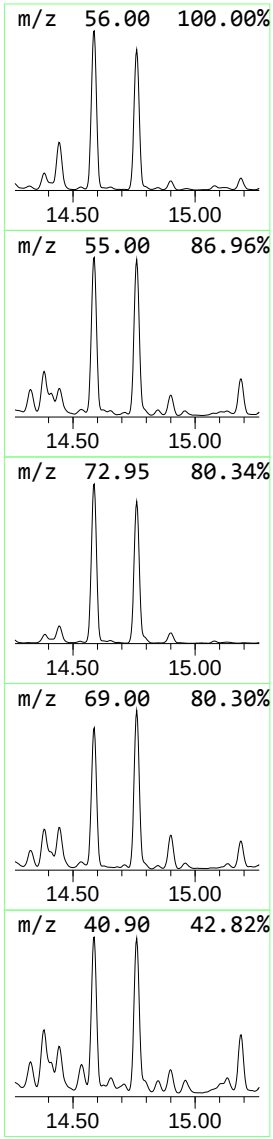
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 unknown-08 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.761	1.27 ug/L	5088390	1,4-Dichlorobenzene-d4	11.822

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Azonin-2-one, octahydro-6-hyd...	157	C8H15NO2	023435-07-6	38
2	Cyclohexane, 1-ethyl-1,3-dimethy...	140	C10H20	062238-31-7	35
3	2,5-Dimethyl-5-hexen-3-ol	128	C8H16O	067760-91-2	32
4	Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	25
5	Cyclohexane, 1-ethyl-1,4-dimethy...	140	C10H20	062238-30-6	25





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070121\
Data File : VU044288.D
Acq On : 01 Jul 2021 16:02
Operator : SY/MD
Sample : M2905-21
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBK32

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR062121WMA.M
Quant Title : TRACE VOA SFAM1.0

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Propanal, 2-met...	3.649	2.2	ug/L	556022	1	6.301	1267170	5.0
Butanal	4.523	10.2	ug/L	2590010	1	6.301	1267170	5.0
unknown-01	10.716	0.6	ug/L	2587230	3	11.822	20105500	5.0
(DEL) Alkane: C...	11.021	2.0	ug/L	8235080	3	11.822	20105500	5.0
(DEL) Alkane: C...	11.240	1.4	ug/L	5751520	3	11.822	20105500	5.0
Benzene, 1-ethy...	11.301	0.5	ug/L	2079360	3	11.822	20105500	5.0
Cyclohexene, 1-...	11.648	1.1	ug/L	4326690	3	11.822	20105500	5.0
(DEL) Alkane: C...	12.050	0.7	ug/L	2979210	3	11.822	20105500	5.0
Benzene, 1-ethe...	12.105	0.6	ug/L	2557420	3	11.822	20105500	5.0
Cyclohexanone, ...	12.491	3.3	ug/L	13354400	3	11.822	20105500	5.0
o-Cymene	12.581	0.5	ug/L	2162150	3	11.822	20105500	5.0
unknown-02	12.835	0.8	ug/L	3012360	3	11.822	20105500	5.0
(DEL) Alkane: C...	13.018	2.4	ug/L	9693490	3	11.822	20105500	5.0
unknown-03	13.111	2.0	ug/L	7908540	3	11.822	20105500	5.0
Cyclohexanol, 1...	13.420	8.5	ug/L	34276500	3	11.822	20105500	5.0
Cyclohexanemeth...	13.523	0.9	ug/L	3737900	3	11.822	20105500	5.0
(DEL) Alkane: C...	13.742	1.1	ug/L	4447970	3	11.822	20105500	5.0
unknown-04	13.832	0.5	ug/L	2103030	3	11.822	20105500	5.0
unknown-05	13.976	3.6	ug/L	14498200	3	11.822	20105500	5.0
unknown-06	14.381	0.6	ug/L	2482280	3	11.822	20105500	5.0
unknown-07	14.587	1.1	ug/L	4559450	3	11.822	20105500	5.0
unknown-08	14.761	1.3	ug/L	5088390	3	11.822	20105500	5.0