LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070221\
Data File : VU044297.D
Acq On : 02 Jul 2021 12:17
Operator : SY/MD
Sample : M2905-21DL 10X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBK32DL

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: VU044297.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.475	36	42	51	rVB	64278	62589	3.32%	0.290%
2	1.600	71	81	94	rBV3	61440	115913	6.14%	0.537%
3	1.919	173	180	195	rVB	46530	63552	3.37%	0.294%
4	2.575	366	384	400	rBV2	84097	156148	8.27%	0.723%
5	3.057	523	534	547	rVB	10030	19293	1.02%	0.089%
6	3.195	555	577	595	rBV2	15038	40230	2.13%	0.186%
7	3.591	680	700	731	rBV	31204	84930	4.50%	0.393%
8	3.880	774	790	807	rBV2	14176	33675	1.78%	0.156%
9	4.456	952	969	1009	rBV	161838	457200	24.22%	2.117%
10	4.642	1013	1027	1074	rVB2	80873	275210	14.58%	1.274%
11	5.073	1146	1161	1178	rBV	86209	190701	10.10%	0.883%
12	5.735	1346	1367	1376	rBV2	168807	448106	23.74%	2.075%
13	5.784	1377	1382	1401	rVB2	68429	124468	6.59%	0.576%
14	6.256	1515	1529	1548	rBV	164674	309313	16.39%	1.432%
15	6.700	1654	1667	1682	rBV	111861	214827	11.38%	0.995%
16	7.574	1926	1939	1955	rBV	58407	103866	5.50%	0.481%
17	7.906	2029	2042	2056	rBV	219457	383500	20.32%	1.776%
18	7.976	2056	2064	2075	rVB	26988	43770	2.32%	0.203%
19	8.189	2119	2130	2149	rBV	38506	72280	3.83%	0.335%
20	8.642	2257	2271	2308	rBV	367167	729610	38.65%	3.378%
21	8.886	2337	2347	2365	rVB	12522	23305	1.23%	0.108%
22	9.385	2482	2502	2503	rBV3	18044	28512	1.51%	0.132%
23	9.423	2505	2514	2532	rVB	230665	403385	21.37%	1.868%
24	9.578	2551	2562	2580	rBV2	98335	187701	9.94%	0.869%
25	9.697	2580	2599	2612	rBV	197807	388964	20.60%	1.801%
26	9.883	2643	2657	2665	rBV5	19506	36671	1.94%	0.170%
27	10.105	2712	2726	2749	rVB2	19472	44335	2.35%	0.205%
28	10.491	2834	2846	2862	rVB2	48305	75801	4.02%	0.351%
29	10.713	2900	2915	2923	rVV	82710	146395	7.76%	0.678%
30	10.764	2923	2931	2954	rVB	93694	157462	8.34%	0.729%
31	10.912	2966	2977	2987	rBV	85950	131667	6.97%	0.610%
32	10.973	2987	2996	2997	rBV2	15666	18888	1.00%	0.087%
33	11.018	2997	3010	3023	rVV2	555024	1020286	54.05%	4.724%
34	11.098	3023	3035	3047	rVB3	297300	493690	26.15%	2.286%
35	11.163	3047	3055	3066	rVB8	14472	29239	1.55%	0.135%
36	11.237	3066	3078	3089	rBV	359935	571537	30.28%	2.646%

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Instrument : MSVOA_U
ClientSampleId : DBK32DL

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

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Peak separation: 5

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

37	11.298	3089	3097	3118	rVB	127371	204374	10.83%	0.946%
38	11.475	3141	3152	3167	rVB	436033	676321	35.83%	3.131%
39	11.565	3167	3180	3189	rBV	67800	110990	5.88%	0.514%
40	11.648	3189	3206	3221	rVB4	139890	246736	13.07%	1.142%
41	11.729	3222	3231	3243	rBV4	48417	112588	5.96%	0.521%
42	11.803	3243	3254	3262	rVV2	1020825	1887736	100.00%	8.740%
43	11.848	3262	3268	3278	rVV	811385	1241421	65.76%	5.748%
44	11.902	3278	3285	3293	rVB	78364	114977	6.09%	0.532%
45	11.986	3304	3311	3318	rBV	34509	47070	2.49%	0.218%
46	12.047	3322	3330	3339	rVB	154901	229243	12.14%	1.061%
47	12.102	3339	3347	3365	rVB2	152235	278141	14.73%	1.288%
48	12.198	3365	3377	3394	rBV4	330102	599894	31.78%	2.777%
49	12.311	3404	3412	3421	rBV	43065	62220	3.30%	0.288%
50	12.385	3425	3435	3449	rVB	101433	166983	8.85%	0.773%
51	12.487	3449	3467	3486	rBV2	388019	839437	44.47%	3.887%
52	12.581	3486	3496	3505	rBV2	130622	199791	10.58%	0.925%
53	12.690	3521	3530	3533	rBV2	30019	44345	2.35%	0.205%
54	12.729	3536	3542	3561	rVB5	66899	137743	7.30%	0.638%
55	12.835	3561	3575	3583	rBV6	87121	213535	11.31%	0.989%
56	12.880	3583	3589	3598	rVB5	35998	59959	3.18%	0.278%
57	12.950	3598	3611	3617	rBV5	62579	116791	6.19%	0.541%
58	13.018	3623	3632	3647	rVB2	427573	748147	39.63%	3.464%
59	13.108	3647	3660	3676	rBV	371731	599589	31.76%	2.776%
60	13.182	3676	3683	3692	rBV4	19642	30558	1.62%	0.141%
61	13.240	3693	3701	3704	rBV5	23426	33468	1.77%	0.155%
62	13.356	3726	3737	3743	rBV6	41145	78469	4.16%	0.363%
63	13.413	3744	3755	3763	rVV	578795	932149	49.38%	4.316%
64	13.459	3764	3769	3774	rVV4	89479	136920	7.25%	0.634%
65	13.494	3775	3780	3804	rVB2	105916	252783	13.39%	1.170%
66	13.632	3814	3823	3829	rBV	33356	51207	2.71%	0.237%
67	13.671	3829	3835	3843	rVV3	41285	60797	3.22%	0.281%
68	13.738	3846	3856	3874	rVB2	165147	307856	16.31%	1.425%
69	13.831	3874	3885	3896	rBV2	111794	181593	9.62%	0.841%
70	13.976	3920	3930	3955	rVB	796031	1401511	74.24%	6.489%
71	14.095	3956	3967	3983	rVB	81355	152570	8.08%	0.706%
72	14.198	3983	3999	4020	rBV7	58246	188496	9.99%	0.873%
73	14.381	4047	4056	4069	rBV7	41790	100752	5.34%	0.466%
74	14.446	4070	4076	4085	rVB2	38824	56910	3.01%	0.263%
75	14.539	4096	4105	4111	rBV5	50580	78568	4.16%	0.364%
76	14.587	4111	4120	4130	rVB	201263	291751	15.46%	1.351%

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ALS Vial : 7 Sample Multiplier: 1

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ClientSampleId : DBK32DL

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

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Peak separation: 5

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

77	14.658	4135	4142	4150	rBV6	13854	22116	1.17%	0.102%
78	14.761	4165	4174	4185	rBV	219695	321779	17.05%	1.490%
79	14.960	4227	4236	4248	rVB4	19139	32349	1.71%	0.150%
80	15.192	4297	4308	4313	rBV4	20117	34086	1.81%	0.158%
81	15.227	4313	4319	4330	rVB	41975	63503	3.36%	0.294%
82	15.352	4350	4358	4367	rBV4	16530	26926	1.43%	0.125%
83	15.413	4367	4377	4388	rBV4	51397	87492	4.63%	0.405%
84	16.272	4631	4644	4651	rBV3	10168	20209	1.07%	0.094%
85	16.417	4673	4689	4696	rBV3	14612	28512	1.51%	0.132%

Sum of corrected areas: 21598380

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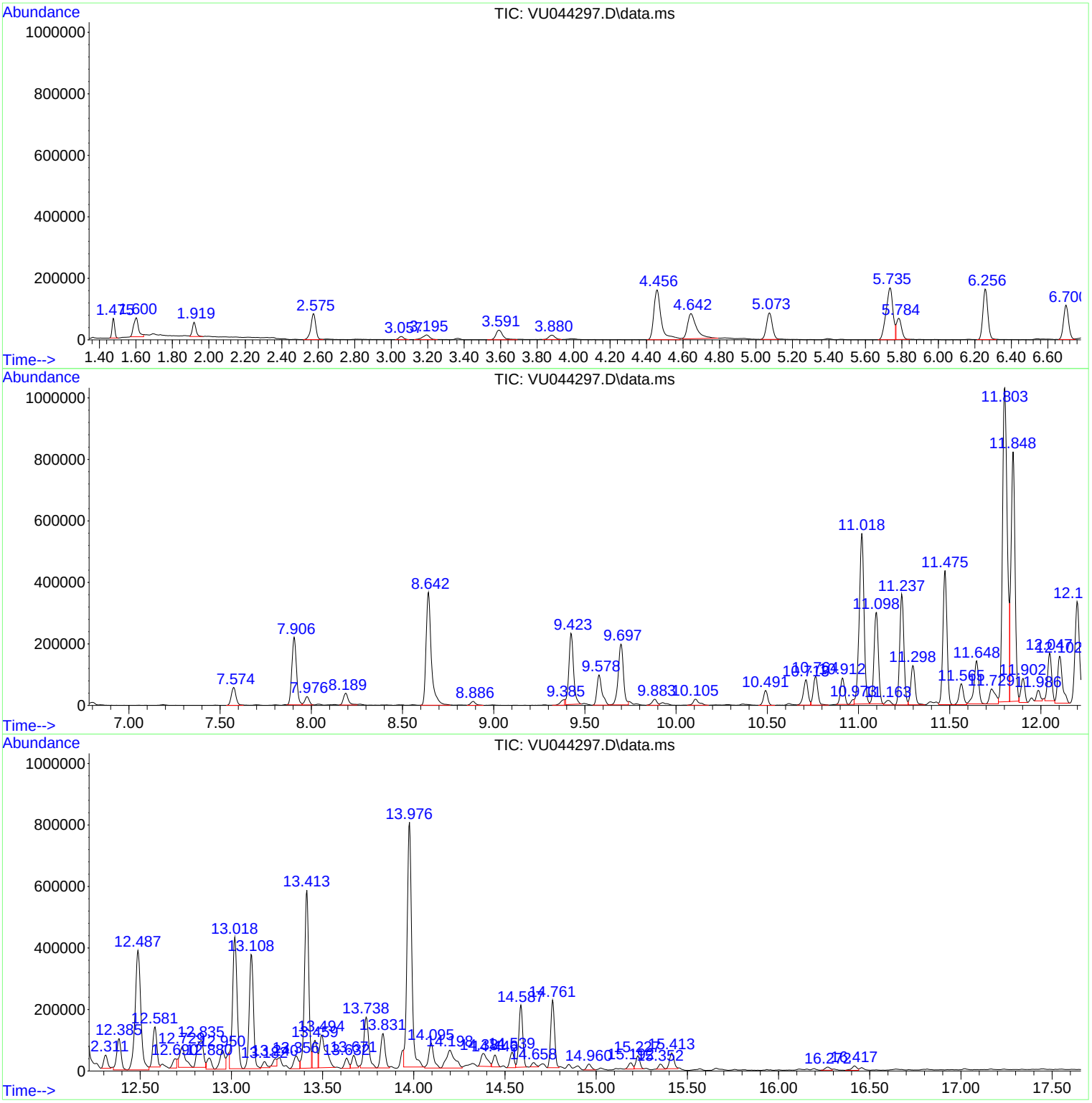
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DBK32DL

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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Data File : VU044297.D
Acq On : 02 Jul 2021 12:17
Operator : SY/MD
Sample : M2905-21DL 10X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBK32DL

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

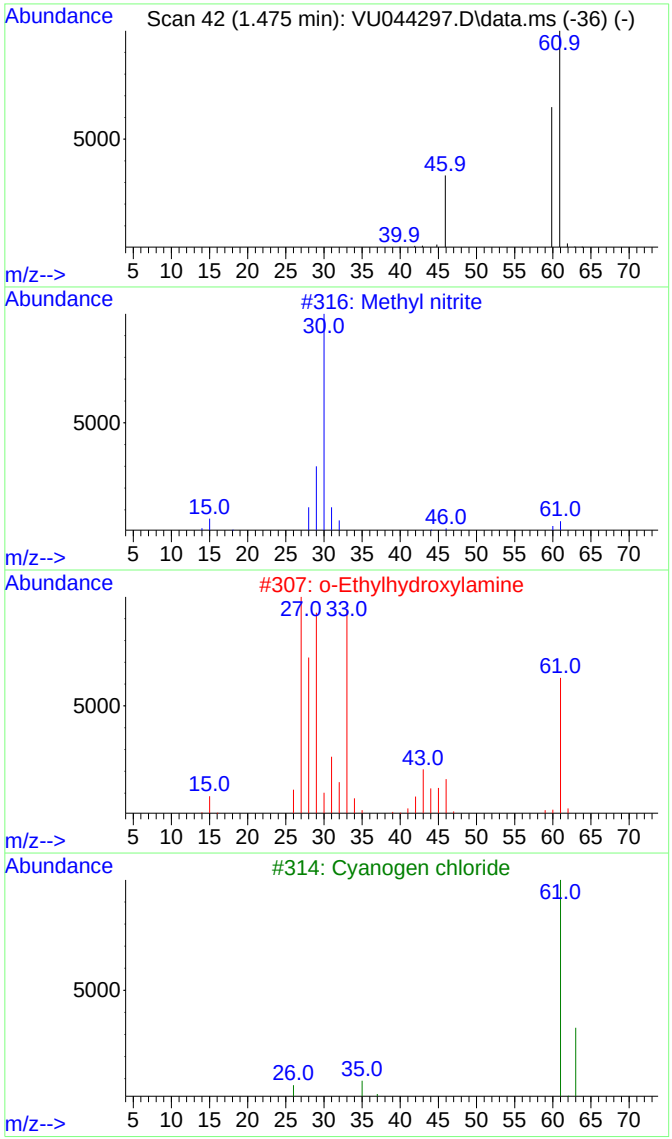
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

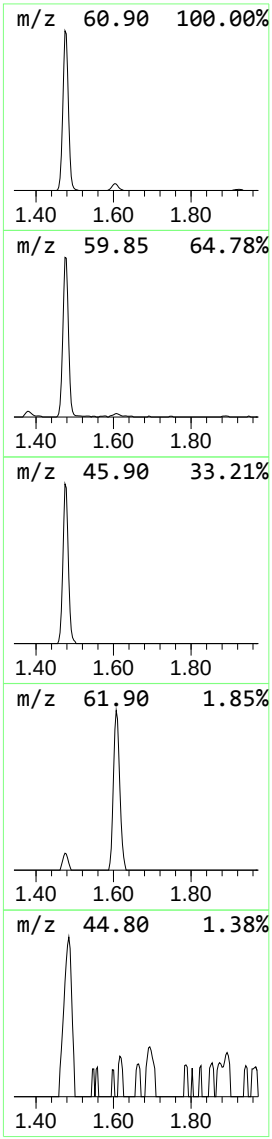
****

Peak Number 1 unknown-01 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.475	1.01 ug/L	62589	1,4-Difluorobenzene	6.256

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl nitrite	61	CH3NO2	000624-91-9	5
2	o-Ethylhydroxylamine	61	C2H7NO	1000322-42-5	4
3	Cyanogen chloride	61	CClN	000506-77-4	4
4	Cyanogen chloride	61	CClN	000506-77-4	4
5	Methyl formate	60	C2H4O2	000107-31-3	3





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070221\
Data File : VU044297.D
Acq On : 02 Jul 2021 12:17
Operator : SY/MD
Sample : M2905-21DL 10X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBK32DL

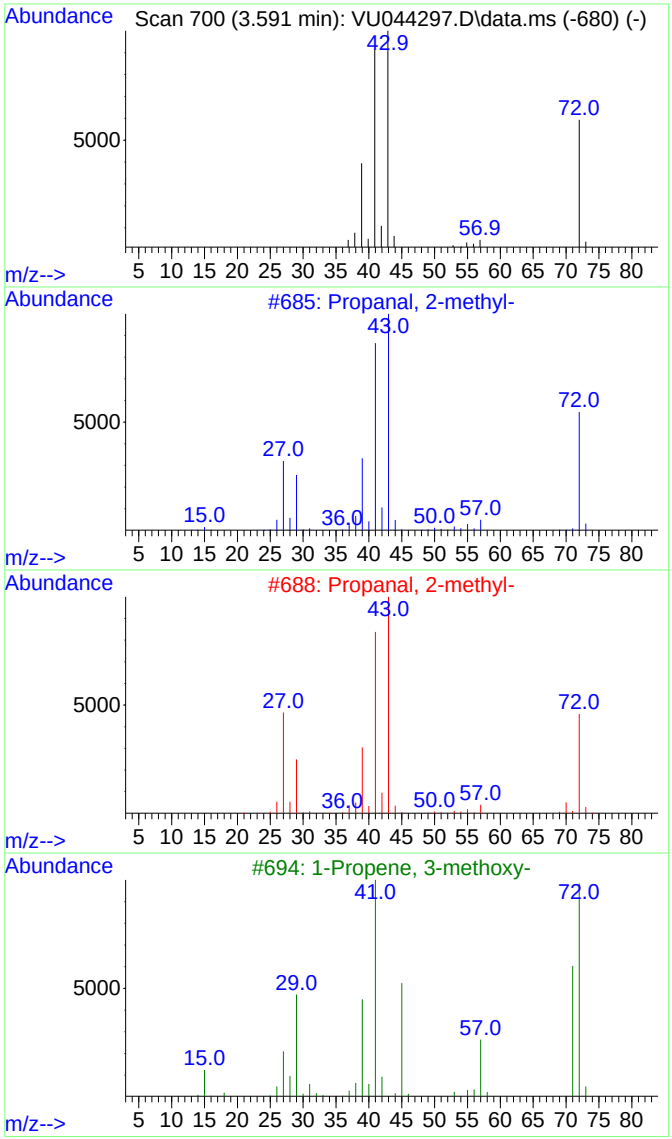
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR062121WMA.M
Quant Title : TRACE VOA SFAM1.0

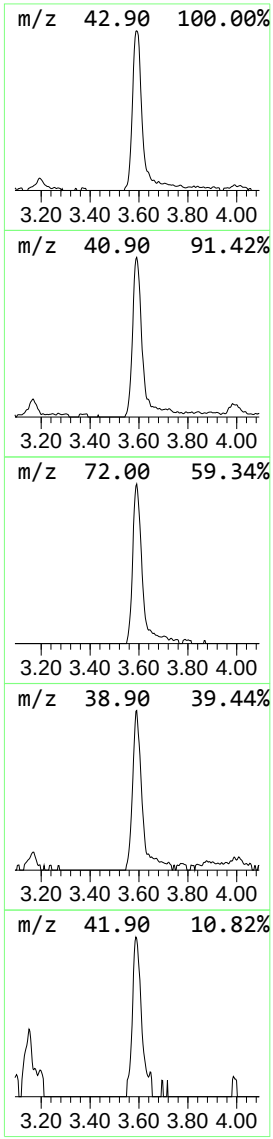
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Propanal, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.591	1.37 ug/L	84930	1,4-Difluorobenzene	6.256

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	91
3	1-Propene, 3-methoxy-	72	C4H8O	000627-40-7	64
4	Propanal, 2-methyl-	72	C4H8O	000078-84-2	53
5	Propanal, 2-methyl-	72	C4H8O	000078-84-2	50





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Acq On : 02 Jul 2021 12:17
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Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBK32DL

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

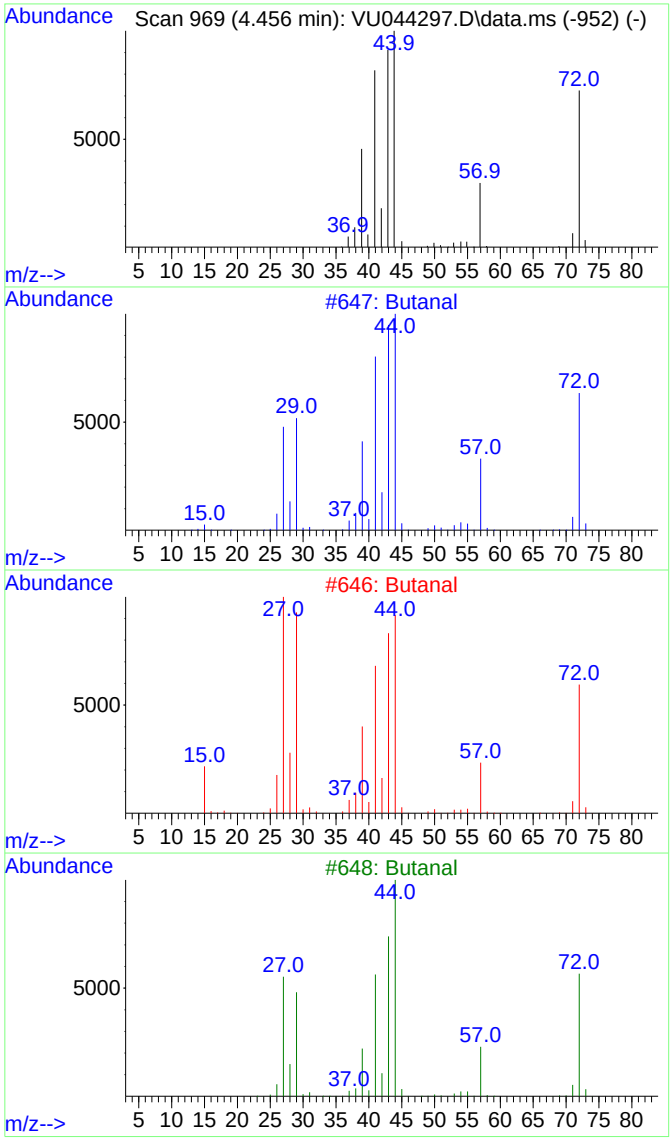
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

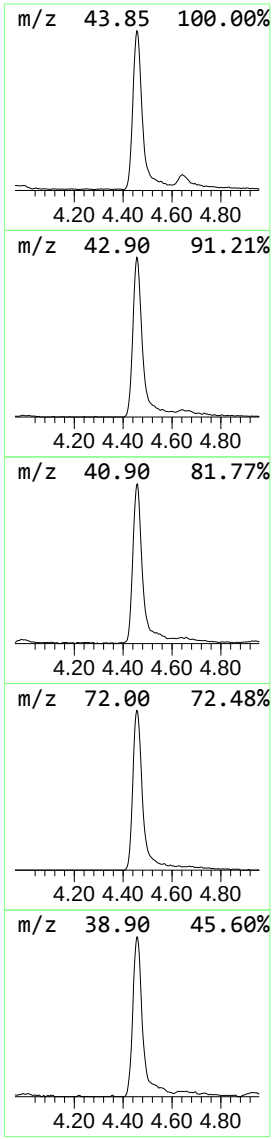
****

Peak Number 4 Butanal Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.456	7.39 ug/L	457200	1,4-Difluorobenzene	6.256

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	74
4	Butanal	72	C4H8O	000123-72-8	53
5	Ethene, ethoxy-	72	C4H8O	000109-92-2	47





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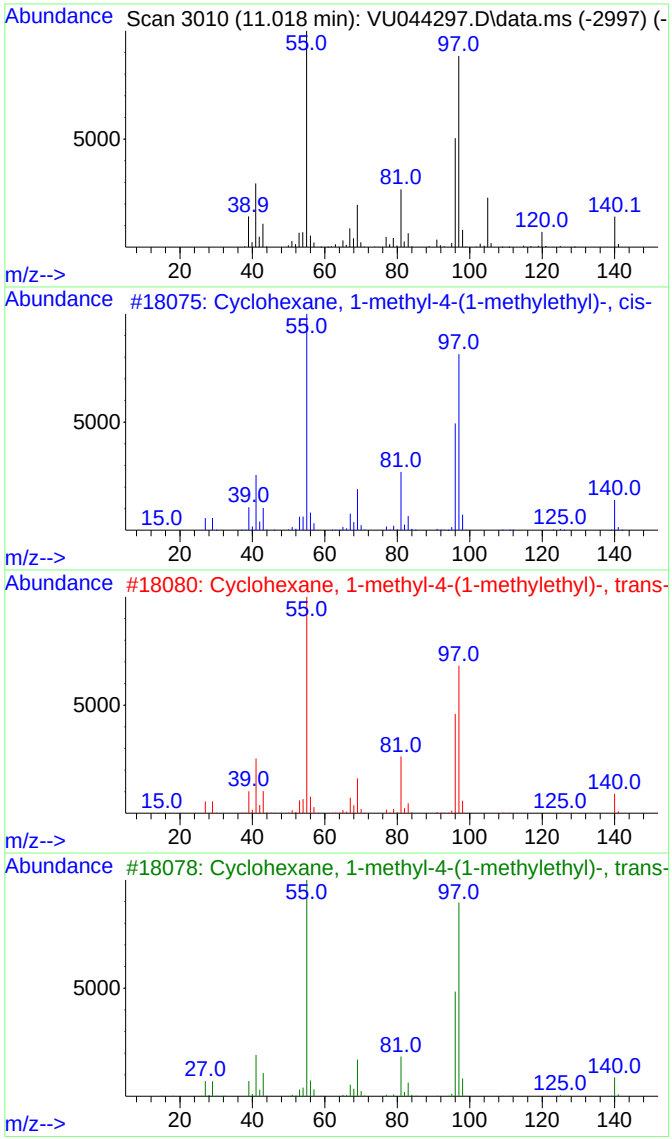
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR062121WMA.M
Quant Title : TRACE VOA SFAM1.0

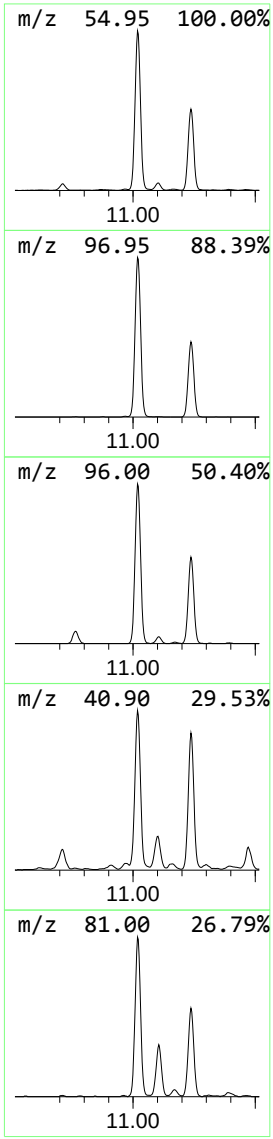
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 (DEL) Alkane: Cyclic11.018 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.018	2.70 ug/L	1020290	1,4-Dichlorobenzene-d4	11.819

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	93
4	1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	81
5	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	81





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Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBK32DL

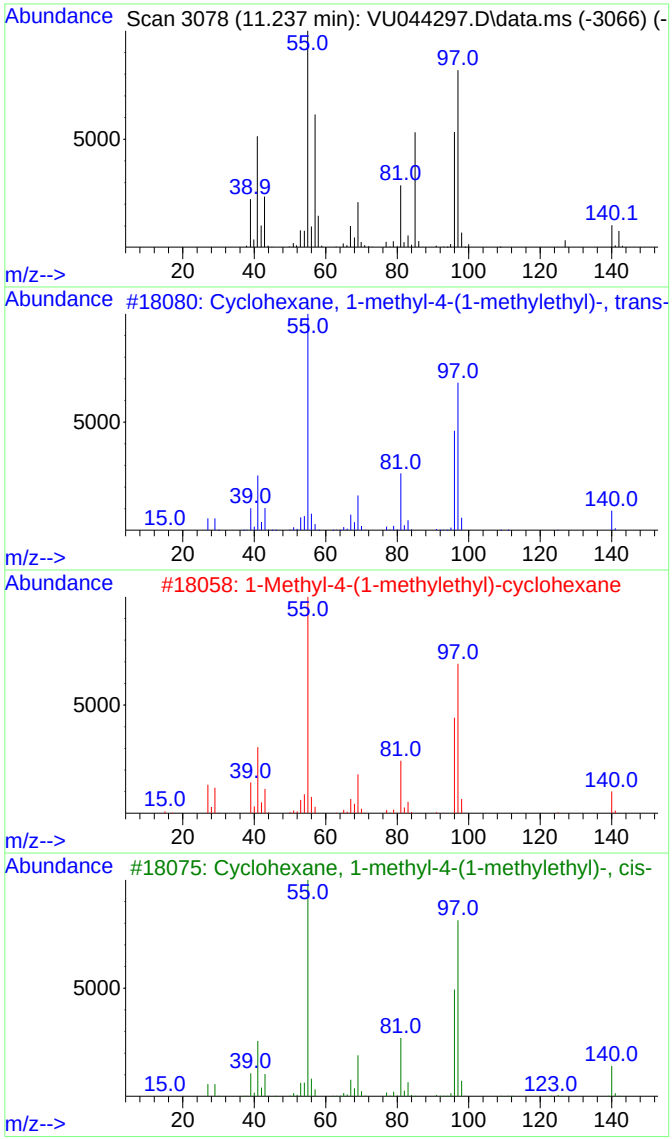
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR062121WMA.M
Quant Title : TRACE VOA SFAM1.0

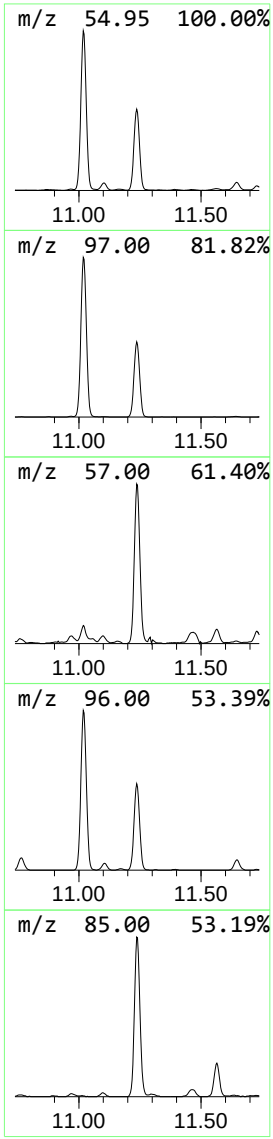
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 (DEL) Alkane: Cyclic11.237 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.237	1.51 ug/L	571537	1,4-Dichlorobenzene-d4	11.819

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	93
2	1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	93
3	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	93
4	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	92
5	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	70





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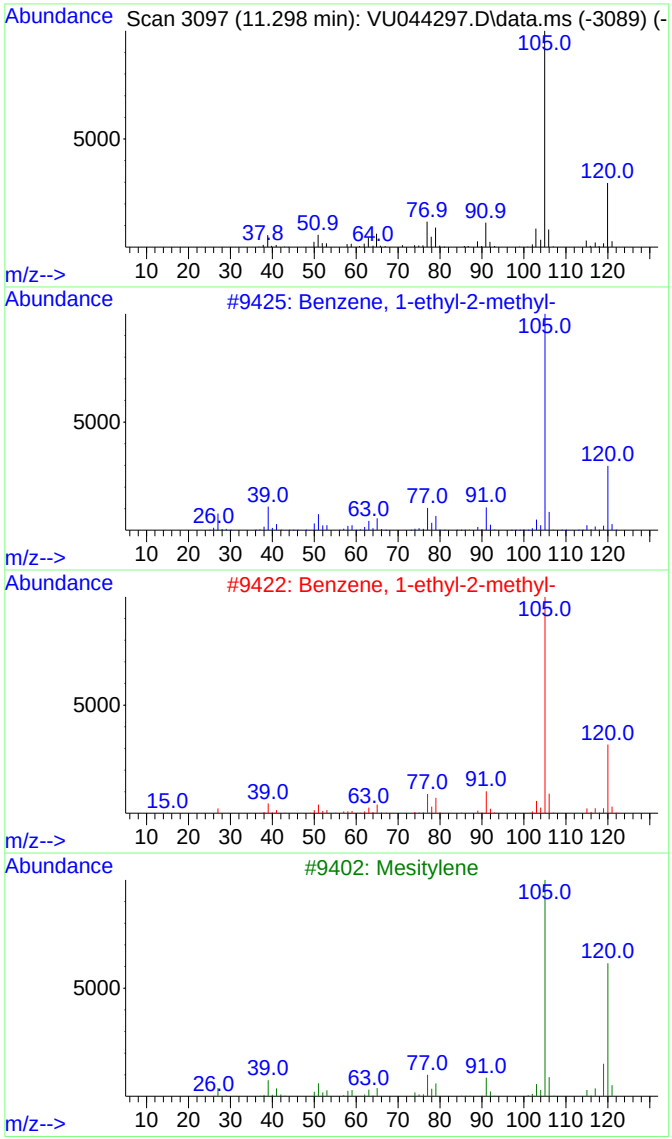
Quant Title : TRACE VOA SFAM1.0

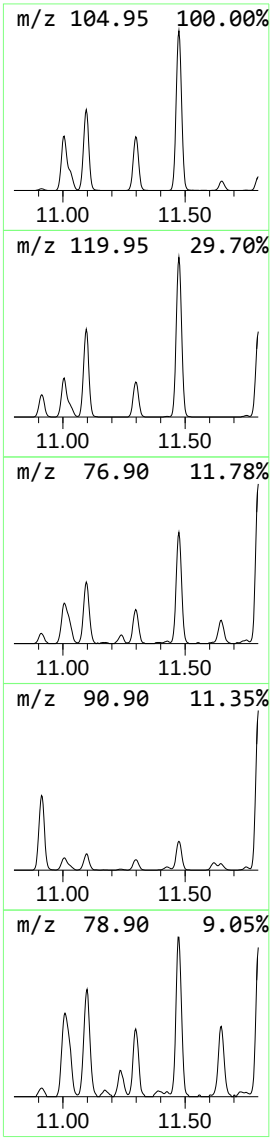
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Benzene, 1-ethyl-2-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.298	0.54 ug/L	204374	1,4-Dichlorobenzene-d4	11.819

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070221\
Data File : VU044297.D
Acq On : 02 Jul 2021 12:17
Operator : SY/MD
Sample : M2905-21DL 10X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DBK32DL

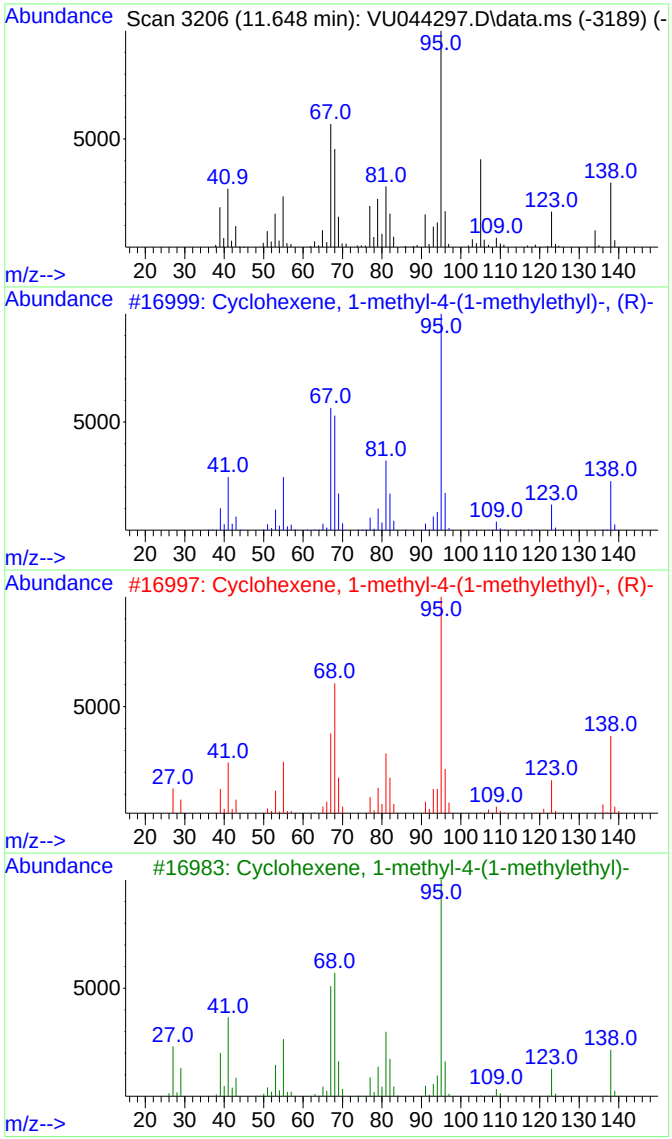
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR062121WMA.M
Quant Title : TRACE VOA SFAM1.0

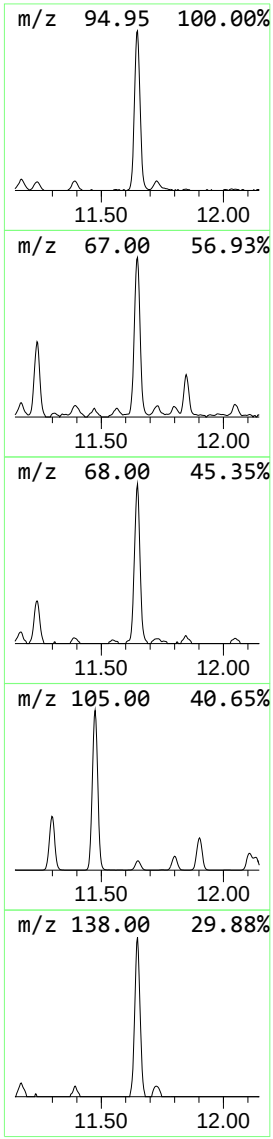
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Cyclohexene, 1-methyl-4-(1-... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.648	0.65 ug/L	246736	1,4-Dichlorobenzene-d4	11.819

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	89
3	Cyclohexene, 1-methyl-4-(1-methy...	138	C10H18	005502-88-5	87
4	Cyclohexene, 1-methyl-4-(1-methy...	138	C10H18	005502-88-5	81
5	Cyclohexene, 1-methyl-4-(1-methy...	138	C10H18	005502-88-5	81





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070221\
Data File : VU044297.D
Acq On : 02 Jul 2021 12:17
Operator : SY/MD
Sample : M2905-21DL 10X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBK32DL

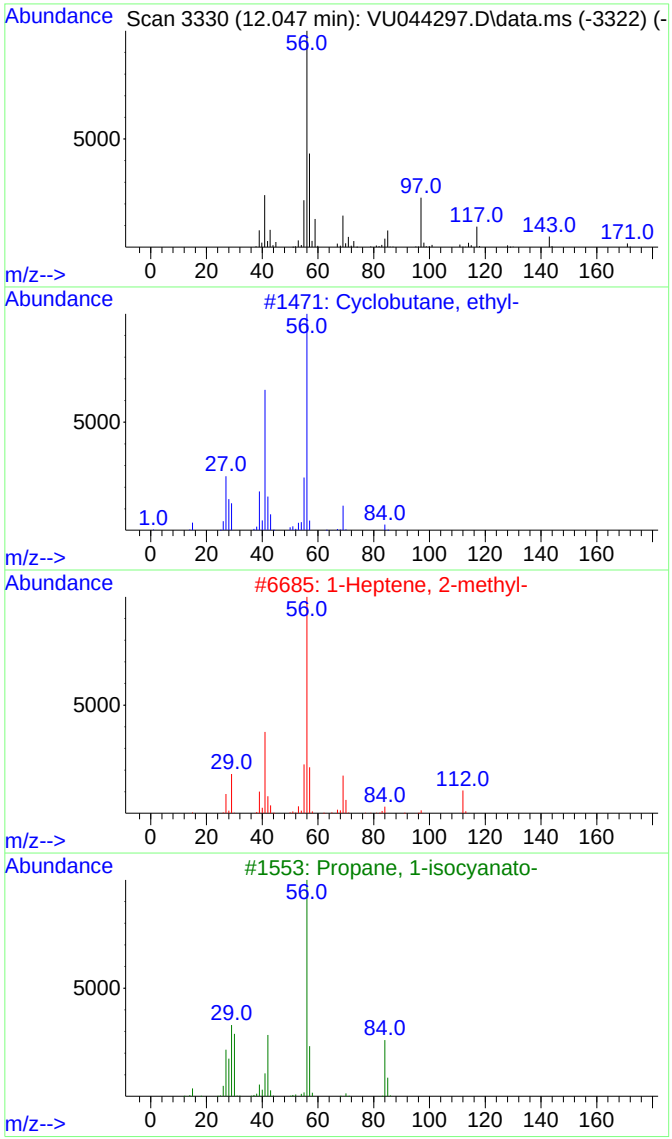
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR062121WMA.M
Quant Title : TRACE VOA SFAM1.0

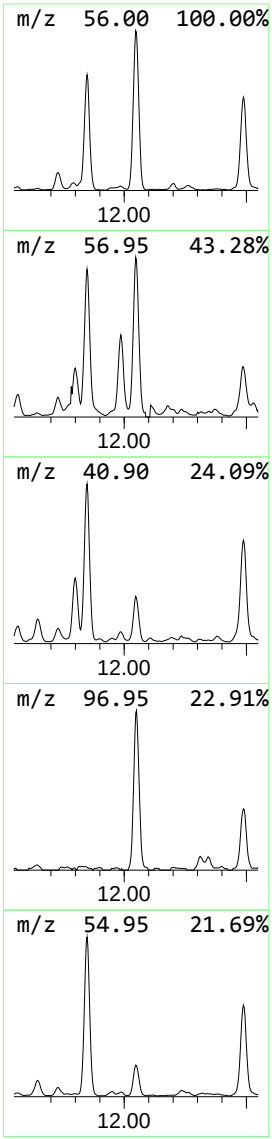
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Cyclic12.047 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.047	0.61 ug/L	229243	1,4-Dichlorobenzene-d4	11.819

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane, ethyl-	84	C6H12	004806-61-5	47
2	1-Heptene, 2-methyl-	112	C8H16	015870-10-7	40
3	Propane, 1-isocyanato-	85	C4H7NO	000110-78-1	37
4	1-Hexene, 2,5-dimethyl-	112	C8H16	006975-92-4	22
5	1-Hexene, 2,5-dimethyl-	112	C8H16	006975-92-4	10





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070221\
Data File : VU044297.D
Acq On : 02 Jul 2021 12:17
Operator : SY/MD
Sample : M2905-21DL 10X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBK32DL

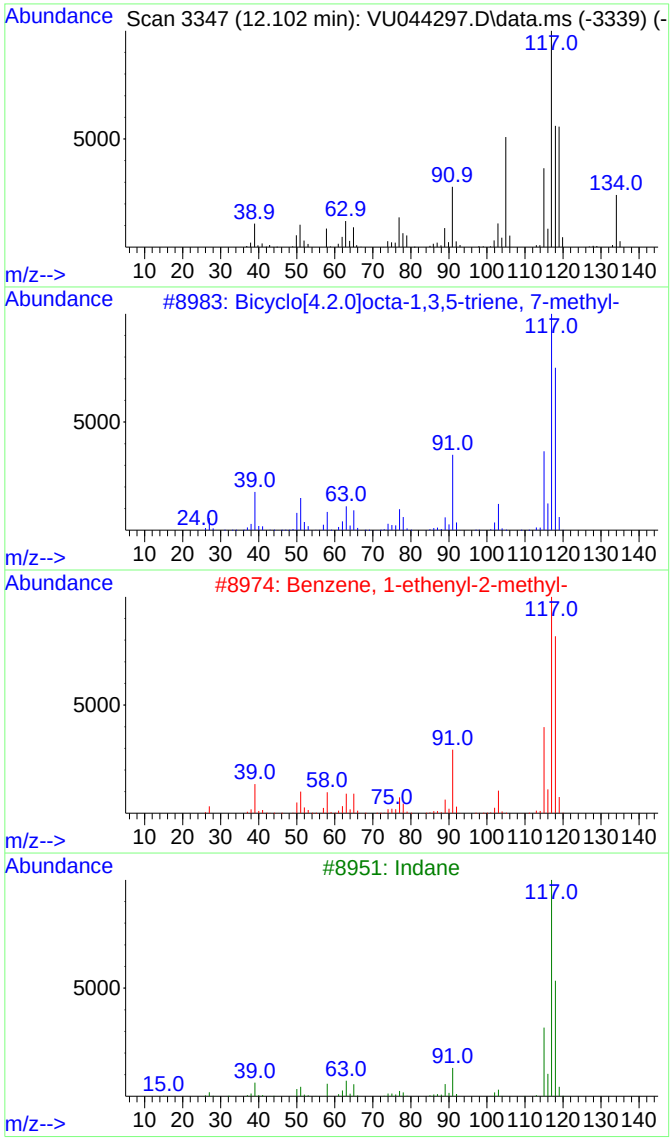
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR062121WMA.M
Quant Title : TRACE VOA SFAM1.0

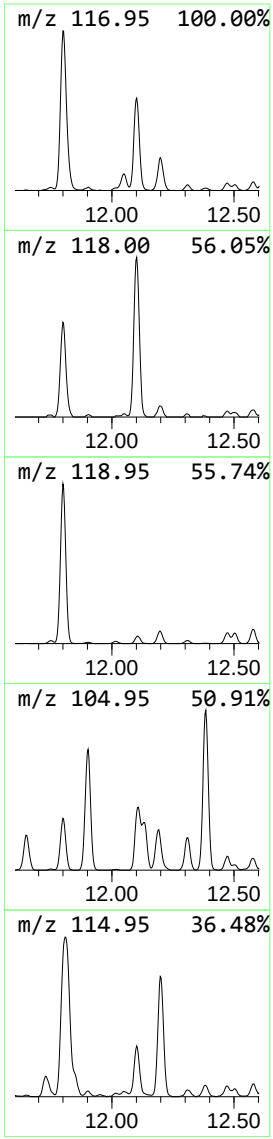
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Bicyclo[4.2.0]octa-1,3,5-tr... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.102	0.74 ug/L	278141	1,4-Dichlorobenzene-d4	11.819

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	055337-80-9	95
2	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	92
3	Indane	118	C9H10	000496-11-7	87
4	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	83
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	60





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070221\
Data File : VU044297.D
Acq On : 02 Jul 2021 12:17
Operator : SY/MD
Sample : M2905-21DL 10X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBK32DL

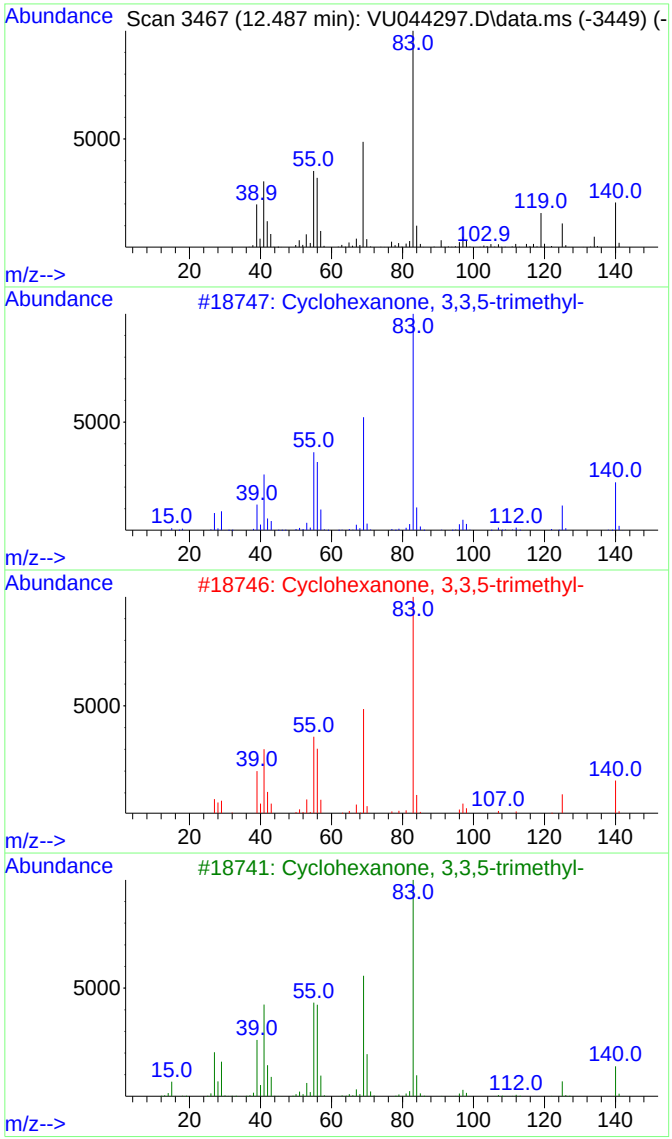
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR062121WMA.M
Quant Title : TRACE VOA SFAM1.0

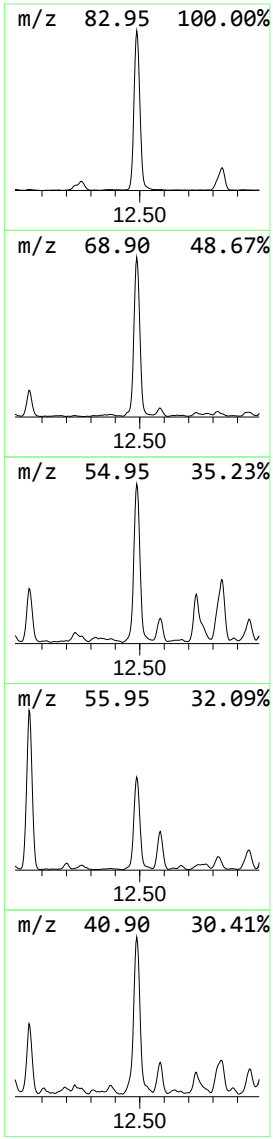
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Cyclohexanone, 3,3,5-trimet... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.488	2.22 ug/L	839437	1,4-Dichlorobenzene-d4	11.819

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	96
2	Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	93
3	Cyclohexanone, 3,3,5-trimethyl-	140	C9H16O	000873-94-9	90
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\VU070221\
Data File : VU044297.D
Acq On : 02 Jul 2021 12:17
Operator : SY/MD
Sample : M2905-21DL 10X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBK32DL

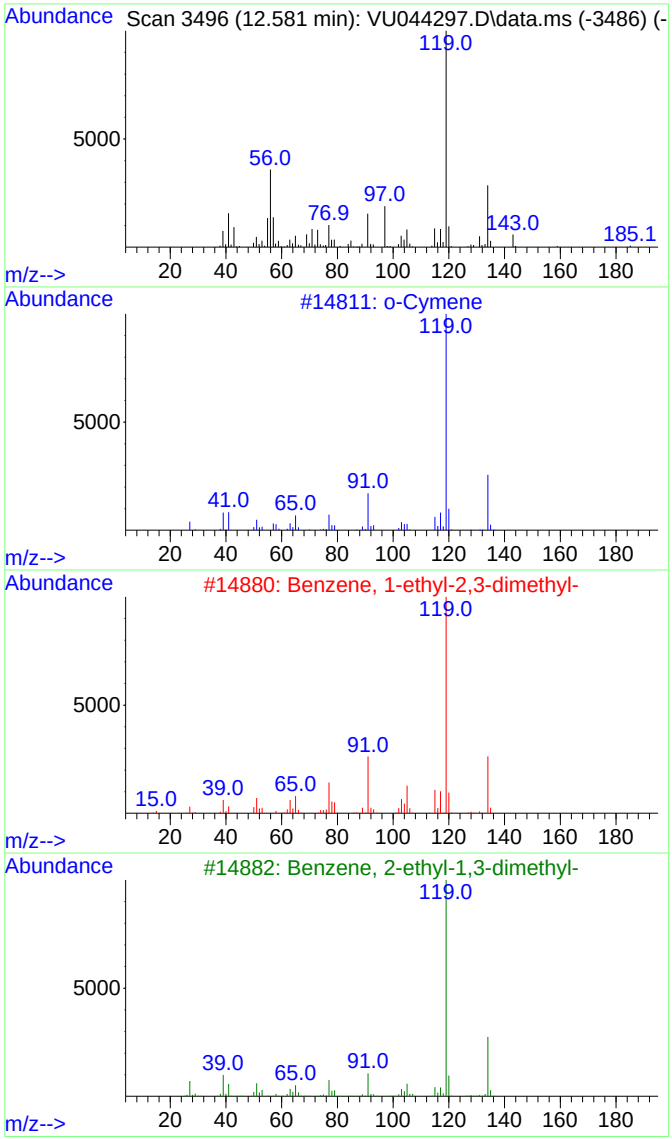
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR062121WMA.M
Quant Title : TRACE VOA SFAM1.0

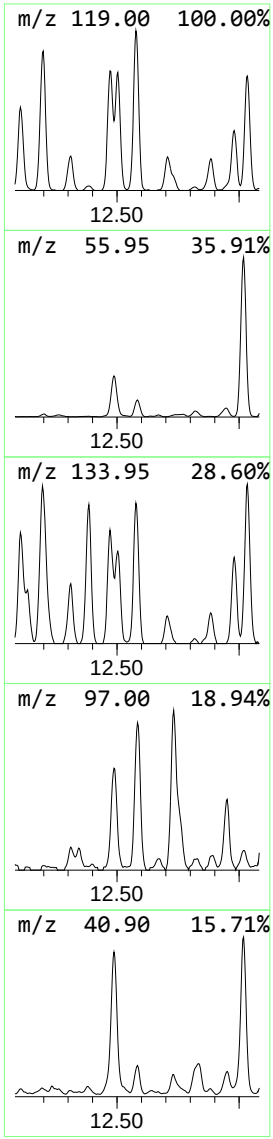
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 o-Cymene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.581	0.53 ug/L	199791	1,4-Dichlorobenzene-d4	11.819

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	95
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
3	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	93





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070221\
Data File : VU044297.D
Acq On : 02 Jul 2021 12:17
Operator : SY/MD
Sample : M2905-21DL 10X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBK32DL

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

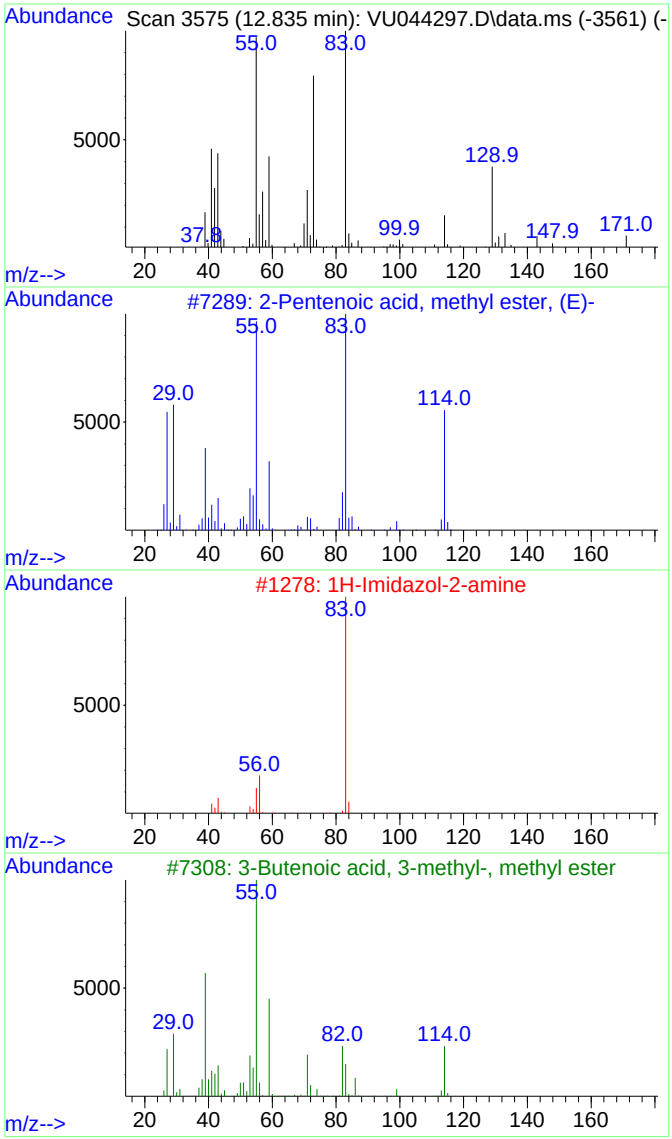
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

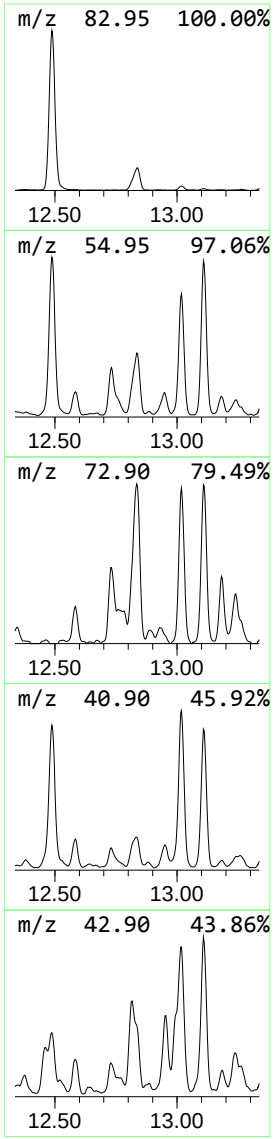
****

Peak Number 14 unknown-02 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.835	0.57 ug/L	213535	1,4-Dichlorobenzene-d4	11.819

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentenoic acid, methyl ester, ...	114	C6H10O2	015790-88-2	47
2	1H-Imidazol-2-amine	83	C3H5N3	007720-39-0	35
3	3-Butenoic acid, 3-methyl-, meth...	114	C6H10O2	025859-52-3	30
4	Cyclopropane, 1,1,2,2-tetramethyl-	98	C7H14	004127-47-3	27
5	1-Butene, 2,3,3-trimethyl-	98	C7H14	000594-56-9	25





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070221\
Data File : VU044297.D
Acq On : 02 Jul 2021 12:17
Operator : SY/MD
Sample : M2905-21DL 10X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBK32DL

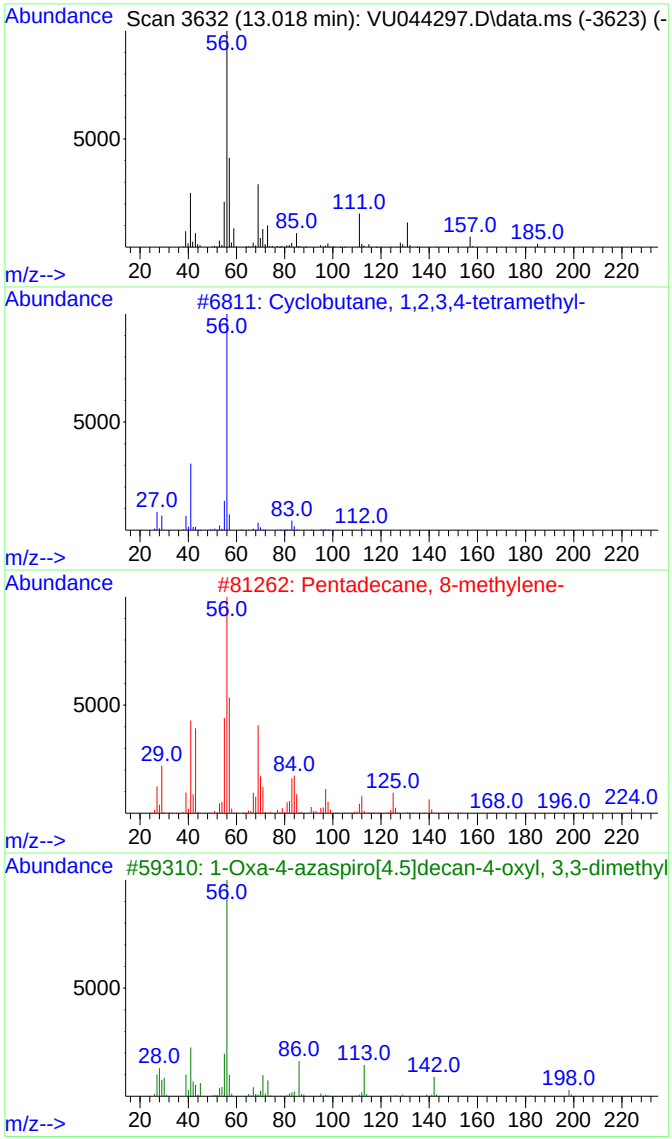
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR062121WMA.M
Quant Title : TRACE VOA SFAM1.0

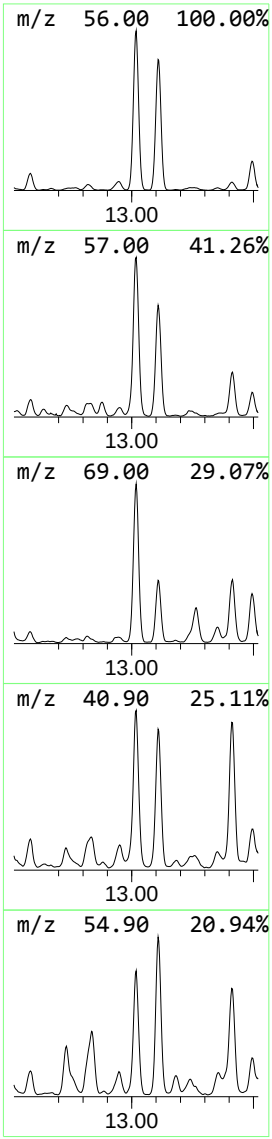
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 (DEL) Alkane: Cyclic13.018 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.018	1.98 ug/L	748147	1,4-Dichlorobenzene-d4	11.819

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane, 1,2,3,4-tetramethyl-	112	C8H16	069531-57-3	47
2	Pentadecane, 8-methylene-	224	C16H32	055668-09-2	40
3	1-Oxa-4-azaspiro[4.5]decan-4-oxy...	198	C10H16NO3	1000115-84-0	33
4	1-Hexene, 5-methyl-	98	C7H14	003524-73-0	33
5	Cyclopentane, (1,1-dimethylethyl)-	126	C9H18	003875-52-3	33





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070221\
Data File : VU044297.D
Acq On : 02 Jul 2021 12:17
Operator : SY/MD
Sample : M2905-21DL 10X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBK32DL

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

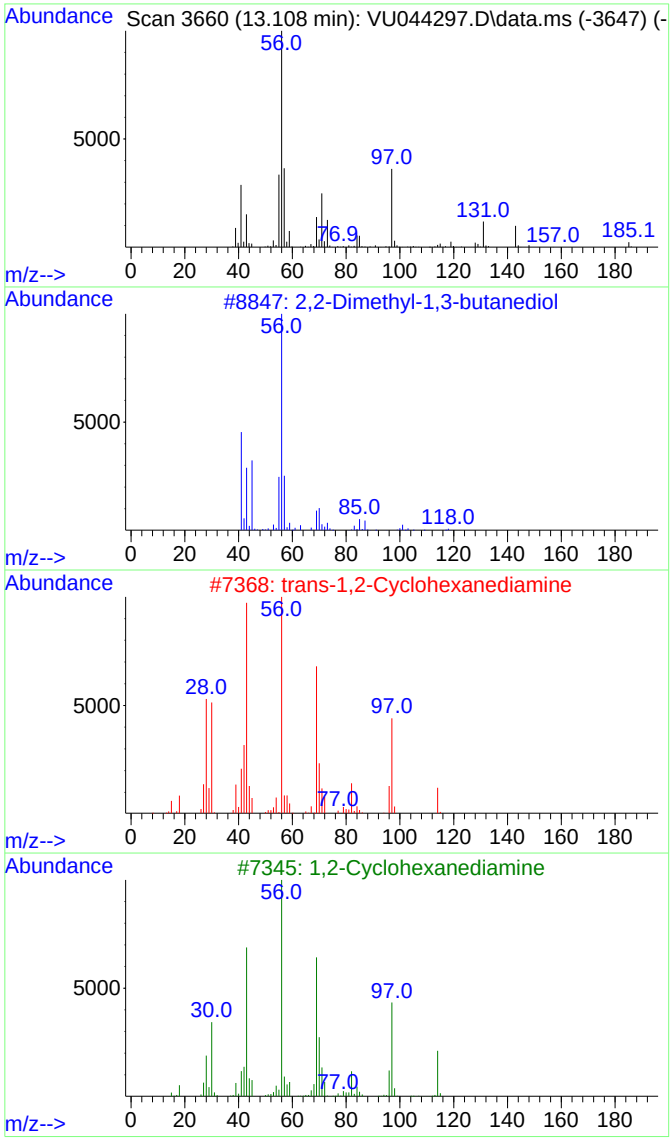
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

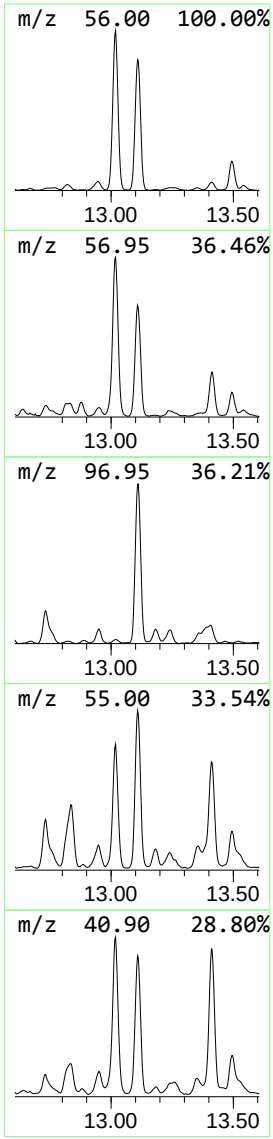
****

Peak Number 16 unknown-03 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.108	1.59 ug/L	599589	1,4-Dichlorobenzene-d4	11.819

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-Dimethyl-1,3-butanediol	118	C6H14O2	000076-35-7	43
2	trans-1,2-Cyclohexanediamine	114	C6H14N2	001121-22-8	40
3	1,2-Cyclohexanediamine	114	C6H14N2	000694-83-7	33
4	Nonane, 5-methylene-	140	C10H20	006795-79-5	23
5	Oxirane, 2,3-bis(1-methylethyl)-...	128	C8H16O	054644-32-5	23





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070221\
Data File : VU044297.D
Acq On : 02 Jul 2021 12:17
Operator : SY/MD
Sample : M2905-21DL 10X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBK32DL

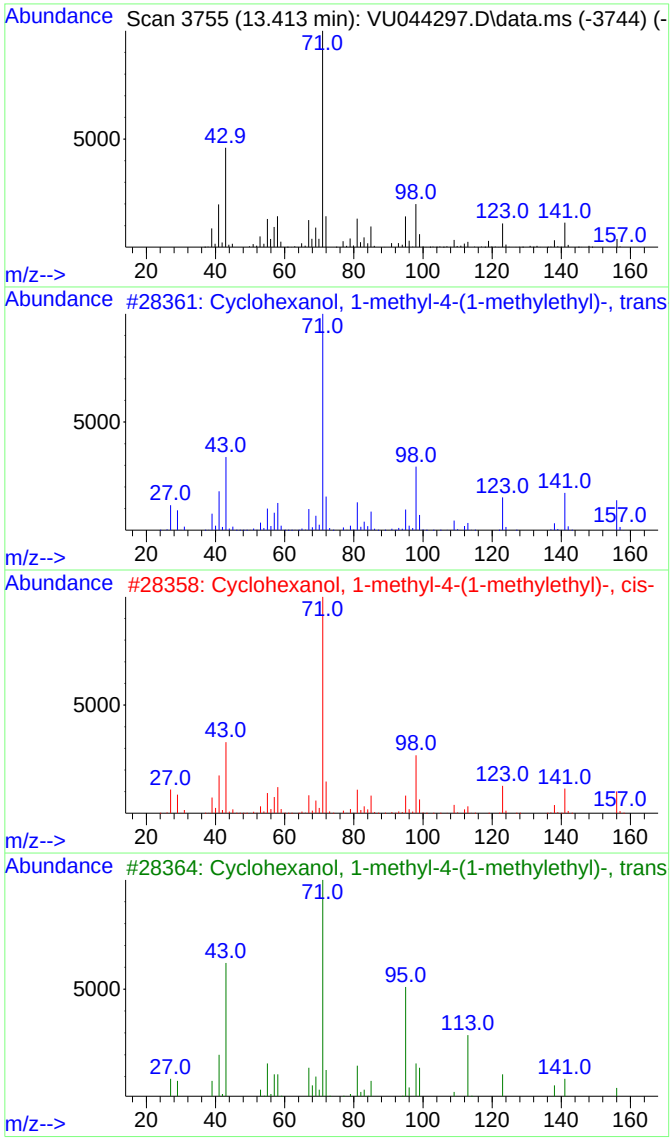
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR062121WMA.M
Quant Title : TRACE VOA SFAM1.0

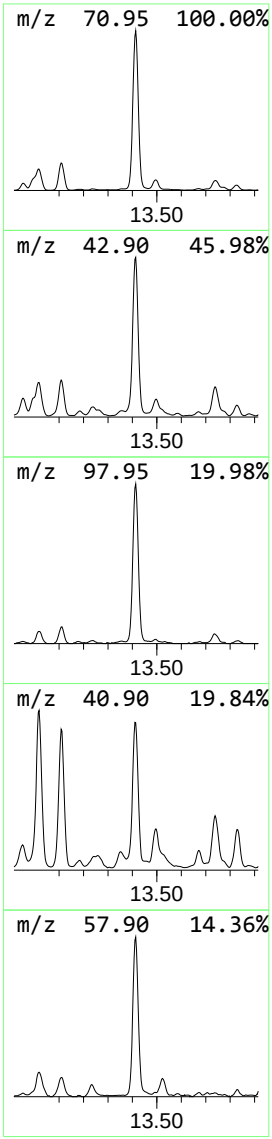
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Cyclohexanol, 1-methyl-4-(1... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.414	2.47 ug/L	932149	1,4-Dichlorobenzene-d4	11.819

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanol, 1-methyl-4-(1-meth...	156	C10H20O	003901-93-7	91
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	80
4	4-Hexen-3-ol	100	C6H12O	004798-58-7	43
5	2,4-Dimethyl-1-penten-3-ol	114	C7H14O	019781-54-5	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070221\
Data File : VU044297.D
Acq On : 02 Jul 2021 12:17
Operator : SY/MD
Sample : M2905-21DL 10X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBK32DL

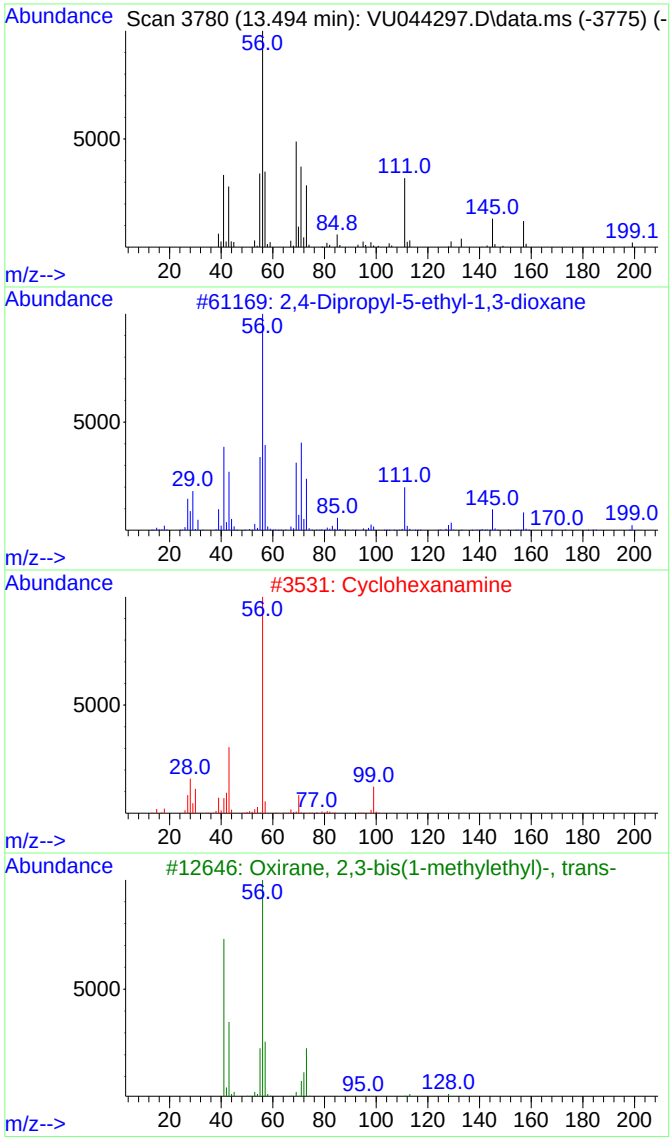
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR062121WMA.M
Quant Title : TRACE VOA SFAM1.0

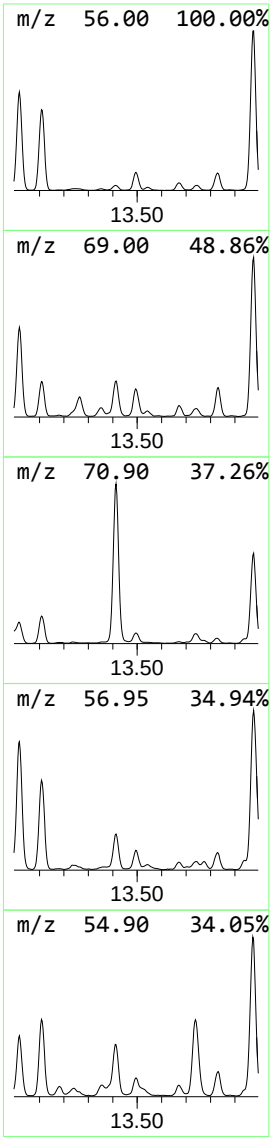
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 2,4-Dipropyl-5-ethyl-1,3-di... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.494	0.67 ug/L	252783	1,4-Dichlorobenzene-d4	11.819

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Dipropyl-5-ethyl-1,3-dioxane	200	C12H24O2	006413-83-8	64
2	Cyclohexanamine	99	C6H13N	000108-91-8	38
3	Oxirane, 2,3-bis(1-methylethyl)-...	128	C8H16O	054644-32-5	38
4	1,3-Pentanediol, 2,2,4-trimethyl-	146	C8H18O2	000144-19-4	33
5	Tridecane, 7-methylene-	196	C14H28	019780-80-4	28





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070221\
Data File : VU044297.D
Acq On : 02 Jul 2021 12:17
Operator : SY/MD
Sample : M2905-21DL 10X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBK32DL

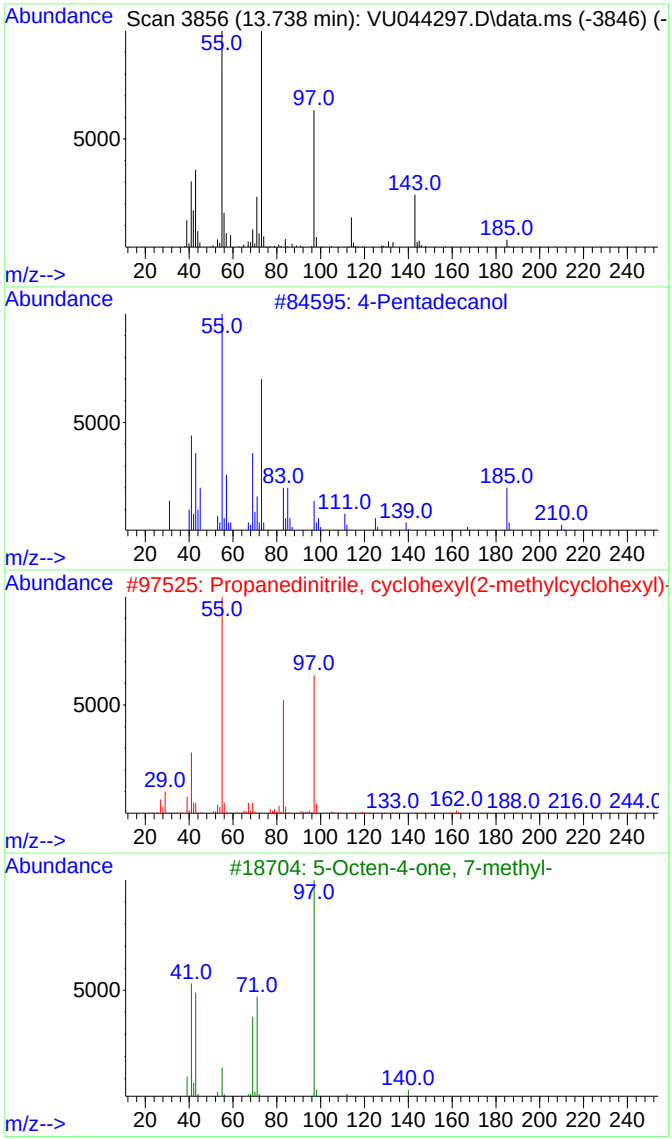
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR062121WMA.M
Quant Title : TRACE VOA SFAM1.0

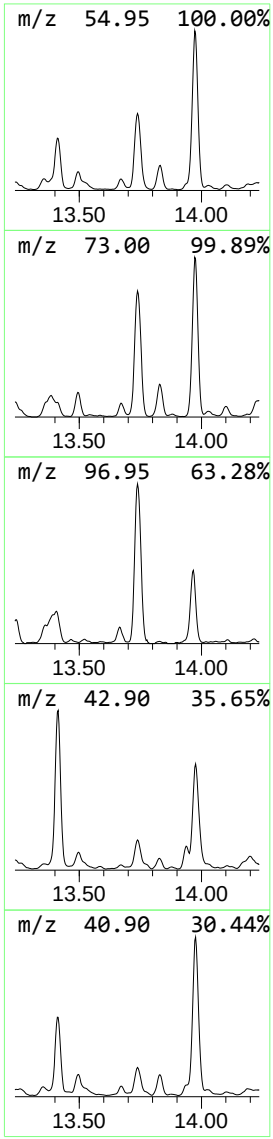
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 unknown-04 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.738	0.82 ug/L	307856	1,4-Dichlorobenzene-d4	11.819

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Pentadecanol	228	C15H32O	109212-91-1	37
2	Propanedinitrile, cyclohexyl(2-m...	244	C16H24N2	074764-55-9	27
3	5-Octen-4-one, 7-methyl-	140	C9H16O	032064-78-1	25
4	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	25
5	4-Heptanol	116	C7H16O	000589-55-9	22





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070221\
Data File : VU044297.D
Acq On : 02 Jul 2021 12:17
Operator : SY/MD
Sample : M2905-21DL 10X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBK32DL

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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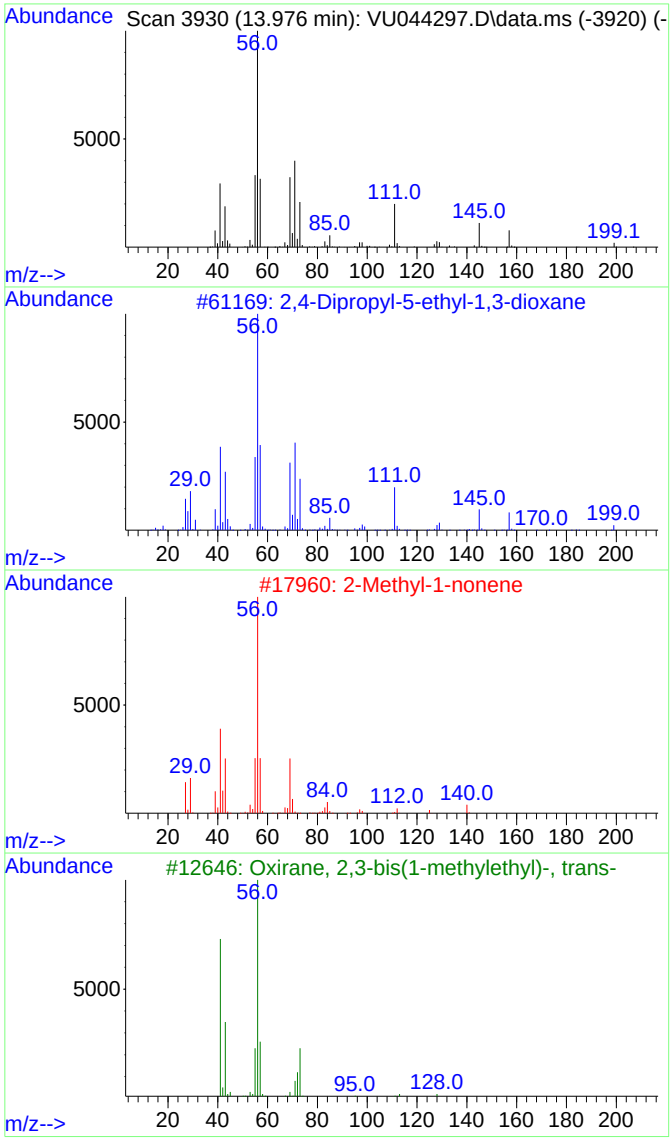
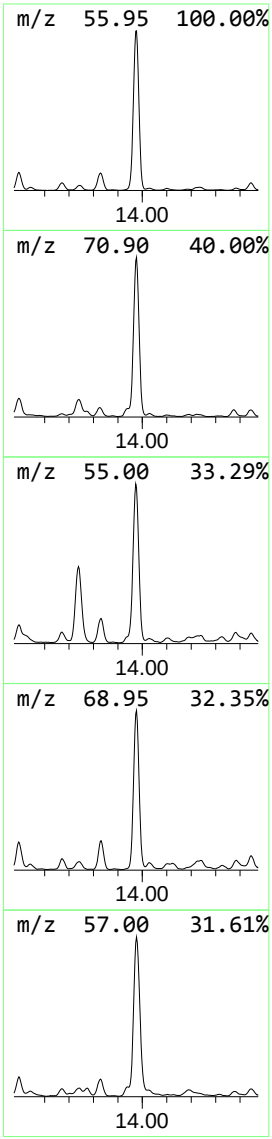
Peak Number 20 unknown-05 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.976	3.71 ug/L	1401510	1,4-Dichlorobenzene-d4	11.819

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	2-Methyl-1-nonene	140	C10H20	002980-71-4	27
3	Oxirane, 2,3-bis(1-methylethyl)-...	128	C8H16O	054644-32-5	25
4	1-Octene, 2-methyl-	126	C9H18	004588-18-5	17
5	Decane, 5-methyl-6-methylene-	168	C12H24	075029-95-7	17





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070221\
Data File : VU044297.D
Acq On : 02 Jul 2021 12:17
Operator : SY/MD
Sample : M2905-21DL 10X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBK32DL

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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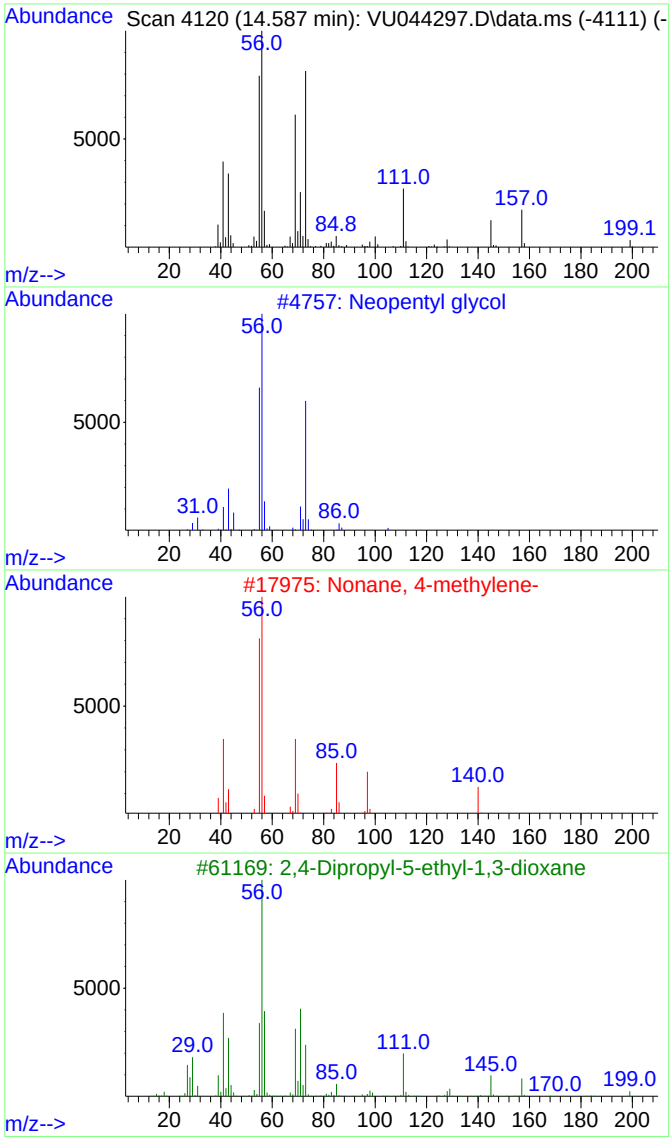
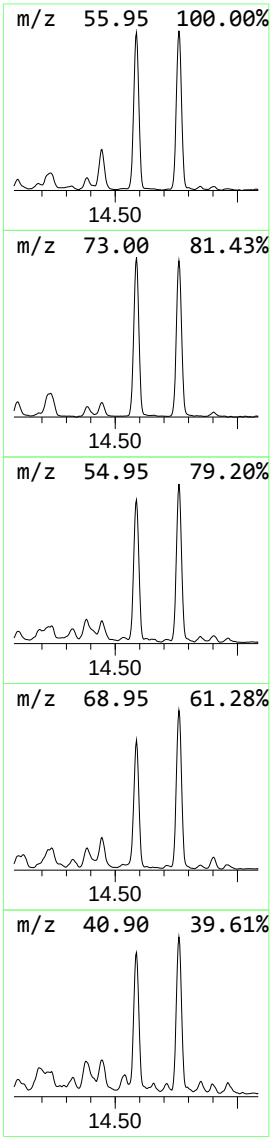
Peak Number 21 unknown-06 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.587	0.77 ug/L	291751	1,4-Dichlorobenzene-d4	11.819

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Neopentyl glycol	104	C5H12O2	000126-30-7	40
2	Nonane, 4-methylene-	140	C10H20	033717-91-8	38
3	2,4-Dipropyl-5-ethyl-1,3-dioxane	200	C12H24O2	006413-83-8	38
4	Cyclobutane, 1,2-diethyl-, trans-	112	C8H16	019341-98-1	38
5	Pentanal, 3-methyl-	100	C6H12O	015877-57-3	37





Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070221\
Data File : VU044297.D
Acq On : 02 Jul 2021 12:17
Operator : SY/MD
Sample : M2905-21DL 10X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBK32DL

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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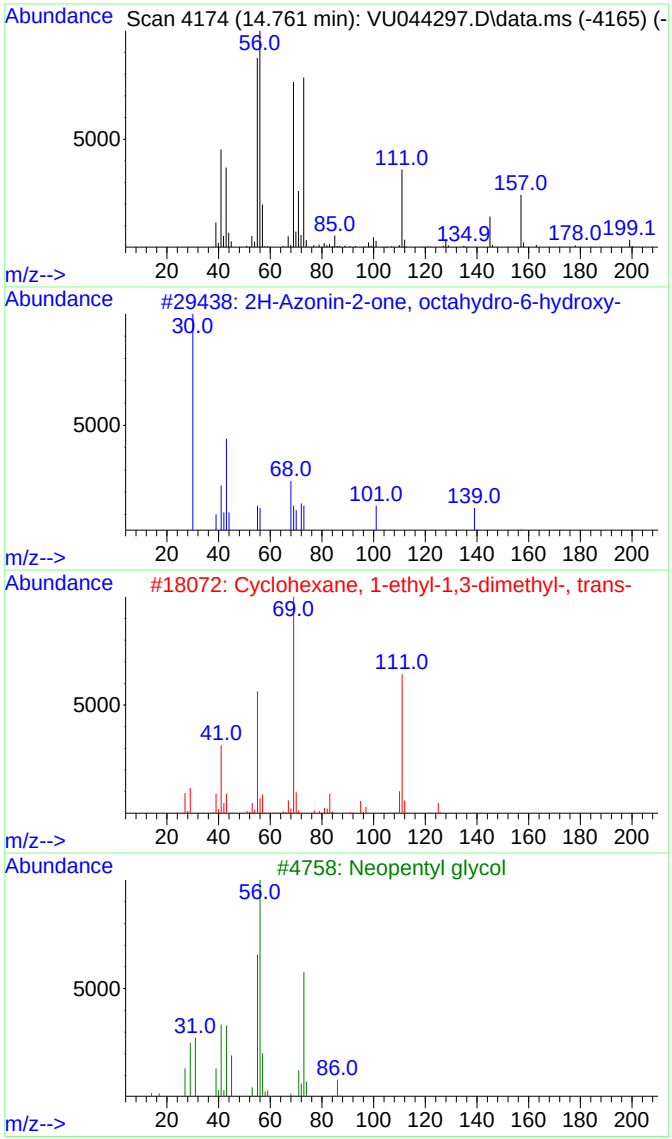
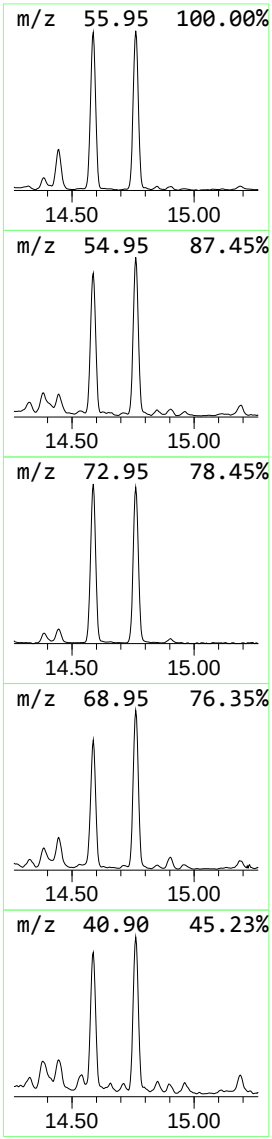
Peak Number 22 unknown-07 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.761	0.85 ug/L	321779	1,4-Dichlorobenzene-d4	11.819

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	062238-29-3	25
3	Neopentyl glycol	104	C5H12O2	000126-30-7	25
4	2,4-Dipropyl-5-ethyl-1,3-dioxane	200	C12H24O2	006413-83-8	22
5	Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	16





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070221\
Data File : VU044297.D
Acq On : 02 Jul 2021 12:17
Operator : SY/MD
Sample : M2905-21DL 10X
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument : MSVOA_U
ClientSampleId : DBK32DL

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
unknown-01	1.475	1.0	ug/L	62589	1	6.256	309313	5.0
Propanal, 2-met...	3.591	1.4	ug/L	84930	1	6.256	309313	5.0
Butanal	4.456	7.4	ug/L	457200	1	6.256	309313	5.0
(DEL) Alkane: C...	11.018	2.7	ug/L	1020290	3	11.819	1887740	5.0
(DEL) Alkane: C...	11.237	1.5	ug/L	571537	3	11.819	1887740	5.0
Benzene, 1-ethy...	11.298	0.5	ug/L	204374	3	11.819	1887740	5.0
Cyclohexene, 1-...	11.648	0.7	ug/L	246736	3	11.819	1887740	5.0
(DEL) Alkane: C...	12.047	0.6	ug/L	229243	3	11.819	1887740	5.0
Bicyclo[4.2.0]o...	12.102	0.7	ug/L	278141	3	11.819	1887740	5.0
Cyclohexanone, ...	12.488	2.2	ug/L	839437	3	11.819	1887740	5.0
o-Cymene	12.581	0.5	ug/L	199791	3	11.819	1887740	5.0
unknown-02	12.835	0.6	ug/L	213535	3	11.819	1887740	5.0
(DEL) Alkane: C...	13.018	2.0	ug/L	748147	3	11.819	1887740	5.0
unknown-03	13.108	1.6	ug/L	599589	3	11.819	1887740	5.0
Cyclohexanol, 1...	13.414	2.5	ug/L	932149	3	11.819	1887740	5.0
2,4-Dipropyl-5-...	13.494	0.7	ug/L	252783	3	11.819	1887740	5.0
unknown-04	13.738	0.8	ug/L	307856	3	11.819	1887740	5.0
unknown-05	13.976	3.7	ug/L	1401510	3	11.819	1887740	5.0
unknown-06	14.587	0.8	ug/L	291751	3	11.819	1887740	5.0
unknown-07	14.761	0.8	ug/L	321779	3	11.819	1887740	5.0