LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027112.D
Acq On : 30 Jul 2022 03:07
Operator : SY/MD
Sample : N3956-11
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF08

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 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_V\Method\SFAMVLM072822WMA.M
Title : VOC Analysis

Signal : TIC: VV027112.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.105	13	20	36	rBV	37927567	41934854	59.68%	19.949%
2	1.169	36	40	72	rVV	546503	1010091	1.44%	0.481%
3	1.304	73	82	94	rVB2	459023	540017	0.77%	0.257%
4	1.565	155	163	177	rBV	258846	307279	0.44%	0.146%
5	1.703	201	206	215	rVB	15339	18858	0.03%	0.009%
6	1.947	275	282	287	rBV	55758	77573	0.11%	0.037%
7	2.060	308	317	322	rBV2	62870	91394	0.13%	0.043%
8	2.101	322	330	345	rVB	543183	784348	1.12%	0.373%
9	2.198	348	360	375	rVB2	123987	235703	0.34%	0.112%
10	2.291	381	389	397	rVB	13067	20071	0.03%	0.010%
11	2.471	436	445	458	rBV2	48370	86340	0.12%	0.041%
12	2.571	459	476	490	rVV	597617	1070527	1.52%	0.509%
13	2.655	491	502	519	rVB	345202	604492	0.86%	0.288%
14	2.757	525	534	546	rVB3	27324	51106	0.07%	0.024%
15	2.828	546	556	577	rVB	56218	110089	0.16%	0.052%
16	3.185	650	667	685	rBV	49798	118544	0.17%	0.056%
17	3.285	685	698	722	rBV2	39530	103872	0.15%	0.049%
18	3.507	757	767	781	rVB4	7170	17781	0.03%	0.008%
19	3.757	829	845	852	rBV4	25297	59238	0.08%	0.028%
20	3.809	853	861	869	rVV	22508	44364	0.06%	0.021%
21	3.880	869	883	921	rVV2	235609	758115	1.08%	0.361%
22	4.343	1010	1027	1063	rBV	385447	981449	1.40%	0.467%
23	4.674	1111	1130	1145	rBV3	40340	103105	0.15%	0.049%
24	5.095	1227	1261	1320	rBV2	20925844	50400206	71.73%	23.976%
25	5.314	1322	1329	1334	rVV6	26473	52516	0.07%	0.025%
26	5.359	1335	1343	1367	rVB	71500	170568	0.24%	0.081%
27	5.613	1410	1422	1468	rVB	658429	1356096	1.93%	0.645%
28	5.860	1489	1499	1507	rBV	245717	481798	0.69%	0.229%
29	6.066	1549	1563	1578	rBV	513944	1069478	1.52%	0.509%
30	6.375	1645	1659	1697	rBV	153216	346351	0.49%	0.165%
31	6.764	1772	1780	1802	rVB	9721	26636	0.04%	0.013%
32	6.899	1808	1822	1840	rBV	1259251	2567801	3.65%	1.222%
33	6.982	1840	1848	1870	rVB	316999	625265	0.89%	0.297%
34	7.166	1898	1905	1921	rVB10	9240	19112	0.03%	0.009%
35	7.246	1921	1930	1939	rBV3	18486	39292	0.06%	0.019%
36	7.314	1939	1951	1963	rBV	1167341	2026574	2.88%	0.964%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027112.D
Acq On : 30 Jul 2022 03:07
Operator : SY/MD
Sample : N3956-11
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF08

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 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_V\Method\SFAMVLM072822WMA.M
Title : VOC Analysis

37	7.387	1963	1974	2013	rVB2	1891078	5409153	7.70%	2.573%
38	7.619	2033	2046	2065	rVB	207077	383690	0.55%	0.183%
39	7.744	2077	2085	2087	rBV2	23623	28820	0.04%	0.014%
40	7.786	2087	2098	2133	rVB	615871	1336259	1.90%	0.636%
41	7.934	2134	2144	2155	rBV2	26273	46597	0.07%	0.022%
42	8.008	2155	2167	2183	rBV	1298385	2218537	3.16%	1.055%
43	8.088	2183	2192	2222	rVV	612410	1260582	1.79%	0.600%
44	8.217	2222	2232	2266	rVB2	107472	244134	0.35%	0.116%
45	8.445	2289	2303	2330	rBV	373619	763873	1.09%	0.363%
46	8.635	2350	2362	2367	rBV3	19831	35133	0.05%	0.017%
47	8.677	2368	2375	2385	rVB2	48135	79375	0.11%	0.038%
48	8.728	2386	2391	2404	rVB	12894	22061	0.03%	0.010%
49	8.815	2404	2418	2420	rBV3	44332	58371	0.08%	0.028%
50	8.883	2420	2439	2465	rVV2	39513758	70261739	100.00%	33.424%
51	9.002	2466	2476	2491	rVB2	278740	675948	0.96%	0.322%
52	9.075	2493	2499	2505	rBV3	23323	30720	0.04%	0.015%
53	9.137	2510	2518	2540	rVB	272126	491697	0.70%	0.234%
54	9.304	2560	2570	2586	rVB7	22705	50598	0.07%	0.024%
55	9.384	2587	2595	2603	rBV4	25842	38071	0.05%	0.018%
56	9.448	2604	2615	2633	rVB9	35941	87302	0.12%	0.042%
57	9.542	2633	2644	2659	rBV	325658	521525	0.74%	0.248%
58	9.821	2712	2731	2751	rVB5	47189	114259	0.16%	0.054%
59	9.931	2754	2765	2776	rBV	28402	50186	0.07%	0.024%
60	9.998	2776	2786	2798	rVB5	22053	44700	0.06%	0.021%
61	10.079	2798	2811	2827	rBV	811636	1361347	1.94%	0.648%
62	10.214	2837	2853	2879	rVB2	1245811	2004428	2.85%	0.954%
63	10.358	2888	2898	2904	rBV2	131625	211897	0.30%	0.101%
64	10.407	2904	2913	2940	rVB2	507448	1049424	1.49%	0.499%
65	10.538	2946	2954	2976	rVB	121503	206103	0.29%	0.098%
66	10.683	2989	2999	3008	rBV2	102991	174274	0.25%	0.083%
67	10.738	3008	3016	3024	rVV	57354	80092	0.11%	0.038%
68	10.828	3036	3044	3059	rVB5	23987	50776	0.07%	0.024%
69	10.915	3060	3071	3079	rBV	91440	148876	0.21%	0.071%
70	10.960	3080	3085	3095	rVB3	25056	38169	0.05%	0.018%
71	11.024	3095	3105	3117	rBV2	69183	115429	0.16%	0.055%
72	11.085	3117	3124	3132	rBV8	21676	35508	0.05%	0.017%
73	11.175	3141	3152	3164	rBV4	95074	191109	0.27%	0.091%
74	11.246	3164	3174	3184	rVV	1227069	1992484	2.84%	0.948%
75	11.300	3184	3191	3213	rVV2	674004	1287010	1.83%	0.612%
76	11.397	3213	3221	3230	rVB2	41396	64651	0.09%	0.031%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027112.D
Acq On : 30 Jul 2022 03:07
Operator : SY/MD
Sample : N3956-11
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF08

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0 % of largest Peak
Start Thrs: 0.2 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_V\Method\SFAMVLM072822WMA.M
Title : VOC Analysis

77	11.529	3250	3262	3274	rBV3	46280	90102	0.13%	0.043%
78	11.622	3280	3291	3317	rVB3	1322818	3029914	4.31%	1.441%
79	11.751	3322	3331	3342	rBV6	44362	71214	0.10%	0.034%
80	11.915	3368	3382	3407	rBV6	17197	54614	0.08%	0.026%
81	12.111	3435	3443	3452	rBV6	18312	32861	0.05%	0.016%
82	12.246	3479	3485	3495	rBV7	12156	17244	0.02%	0.008%
83	12.394	3519	3531	3546	rBV	584316	935989	1.33%	0.445%
84	12.532	3567	3574	3582	rBV2	46153	68732	0.10%	0.033%
85	12.783	3645	3652	3658	rVV2	37709	60455	0.09%	0.029%
86	12.818	3658	3663	3676	rVB5	35944	62883	0.09%	0.030%
87	13.046	3726	3734	3743	rVB4	14546	23306	0.03%	0.011%
88	13.201	3762	3782	3786	rBV6	63623	142608	0.20%	0.068%
89	13.474	3857	3867	3886	rBV2	213987	376557	0.54%	0.179%
90	13.616	3904	3911	3926	rVB9	20509	39465	0.06%	0.019%
91	13.709	3930	3940	3950	rBV5	16026	33409	0.05%	0.016%
92	13.853	3977	3985	3989	rBV3	22604	31000	0.04%	0.015%
93	13.902	3989	4000	4029	rVV	1827328	2897713	4.12%	1.378%
94	14.024	4033	4038	4048	rVB	10096	17501	0.02%	0.008%
95	14.542	4190	4199	4207	rBV7	12020	22748	0.03%	0.011%
96	14.815	4277	4284	4295	rBV2	21975	36379	0.05%	0.017%
97	14.966	4318	4331	4348	rBV	246964	388432	0.55%	0.185%
98	15.365	4447	4455	4465	rVB	17355	26710	0.04%	0.013%
99	15.503	4488	4498	4512	rBV2	40793	62845	0.09%	0.030%
100	15.799	4577	4590	4600	rBV	74003	116770	0.17%	0.056%

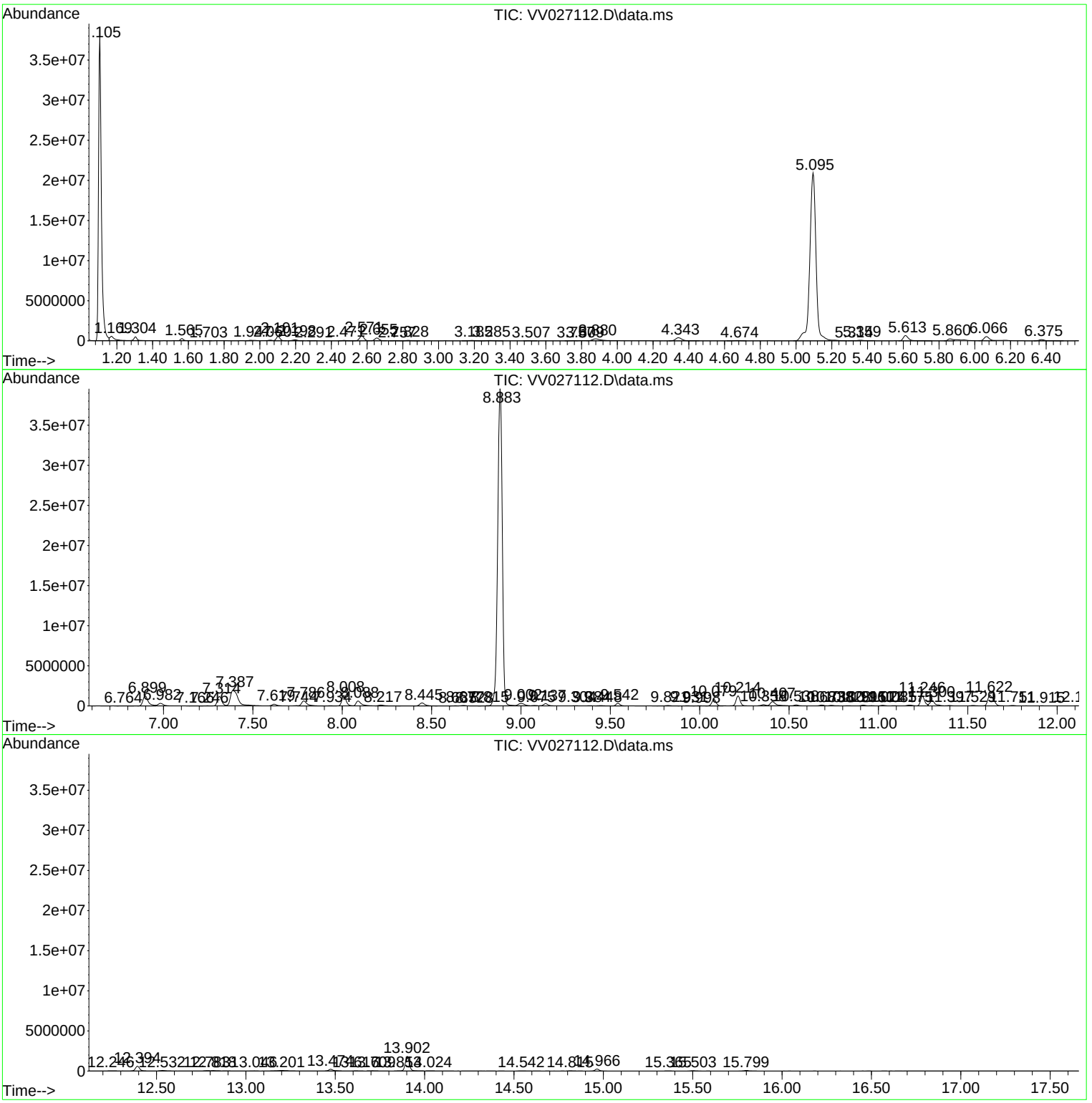
Sum of corrected areas: 210215261

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027112.D
Acq On : 30 Jul 2022 03:07
Operator : SY/MD
Sample : N3956-11
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF08

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027112.D
Acq On : 30 Jul 2022 03:07
Operator : SY/MD
Sample : N3956-11
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF08

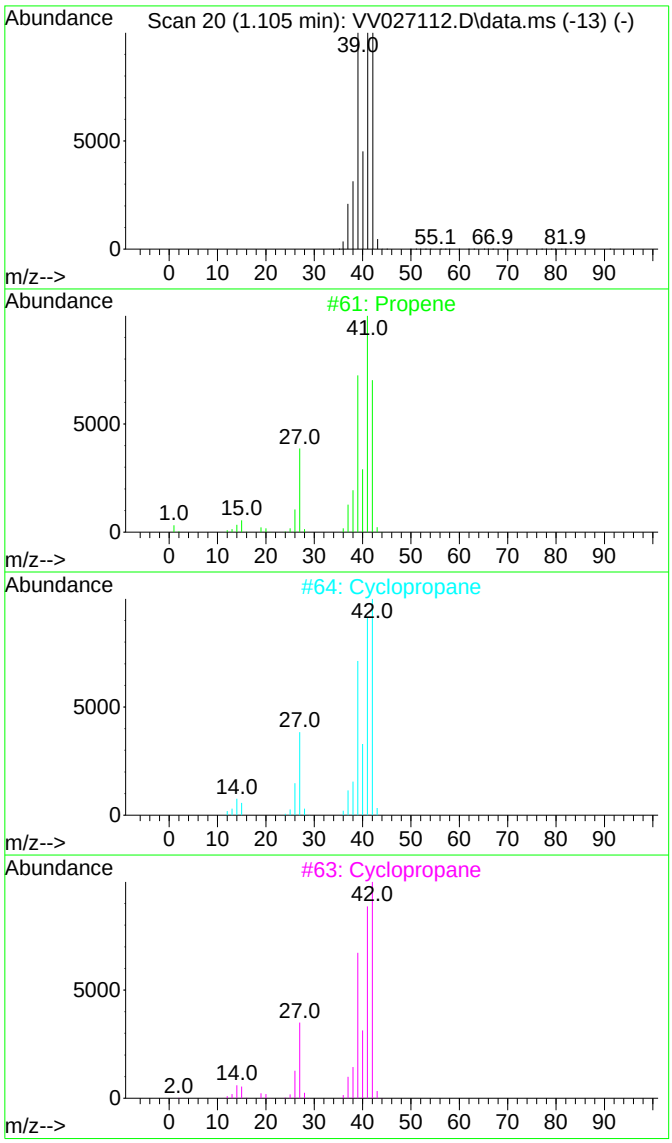
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

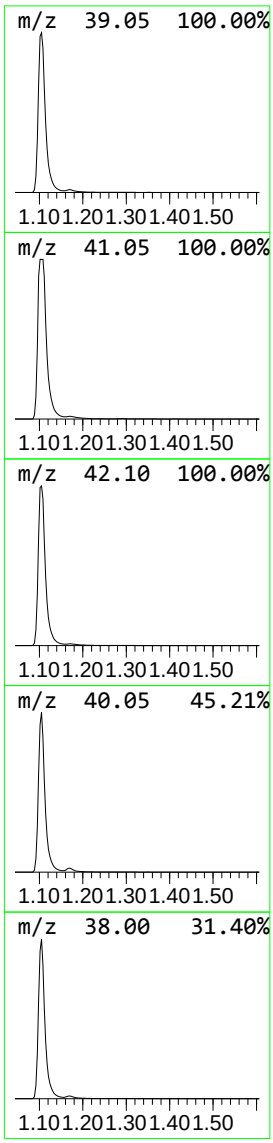
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.105	1546.16 ug/L	41934900	1,4-Difluorobenzene	5.613

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propene	42	C3H6	000115-07-1	83
2	Cyclopropane	42	C3H6	000075-19-4	64
3	Cyclopropane	42	C3H6	000075-19-4	64
4	Cyclopropane	42	C3H6	000075-19-4	53
5	Propene	42	C3H6	000115-07-1	33





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027112.D
Acq On : 30 Jul 2022 03:07
Operator : SY/MD
Sample : N3956-11
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF08

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

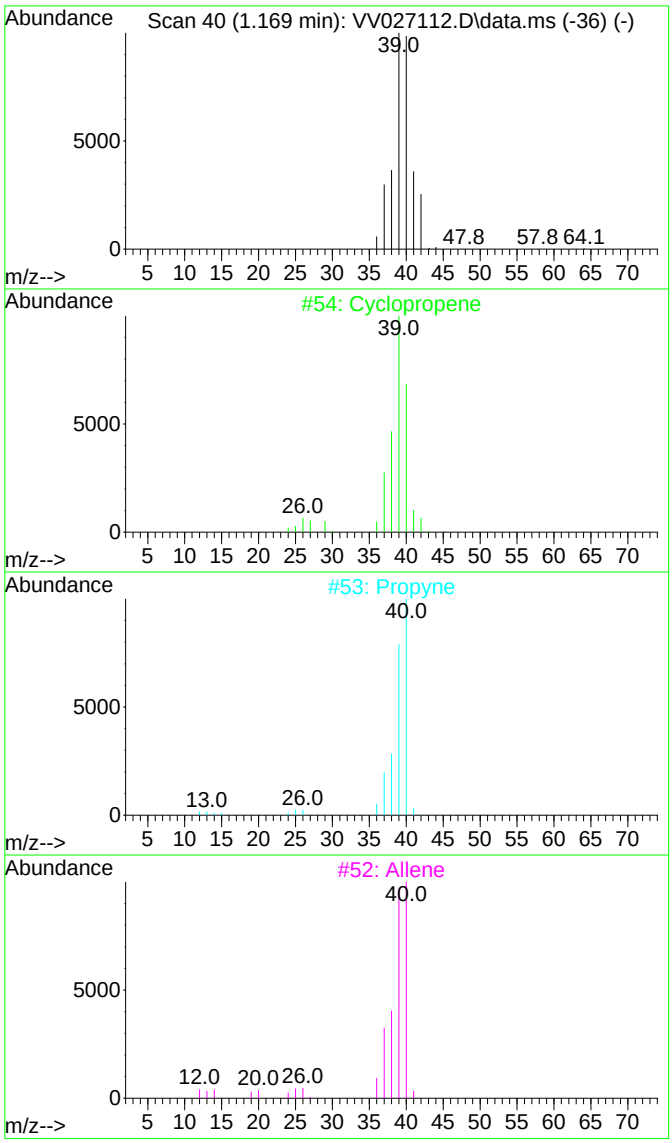
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

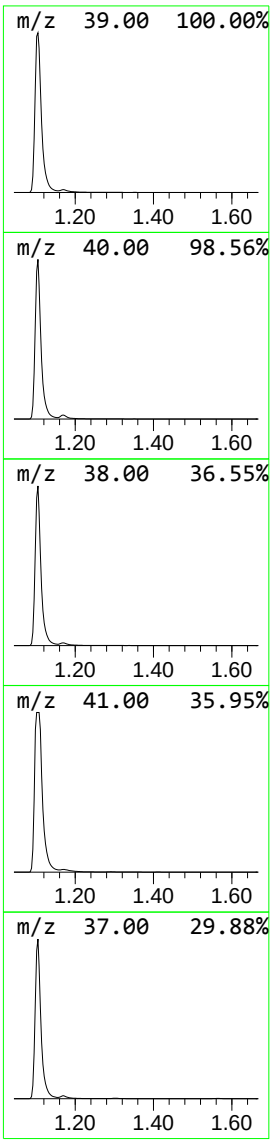
****

Peak Number 2 Cyclopropene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.169	37.24 ug/L	1010090	1,4-Difluorobenzene	5.613

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropene	40	C3H4	002781-85-3	50
2	Propyne	40	C3H4	000074-99-7	30
3	Allene	40	C3H4	000463-49-0	5
4	Chloro(prop-2-yn-1-yloxy)methanone	118	C4H3ClO2	035718-08-2	4
5	Methylenecyclopropane	54	C4H6	006142-73-0	1





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027112.D
Acq On : 30 Jul 2022 03:07
Operator : SY/MD
Sample : N3956-11
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF08

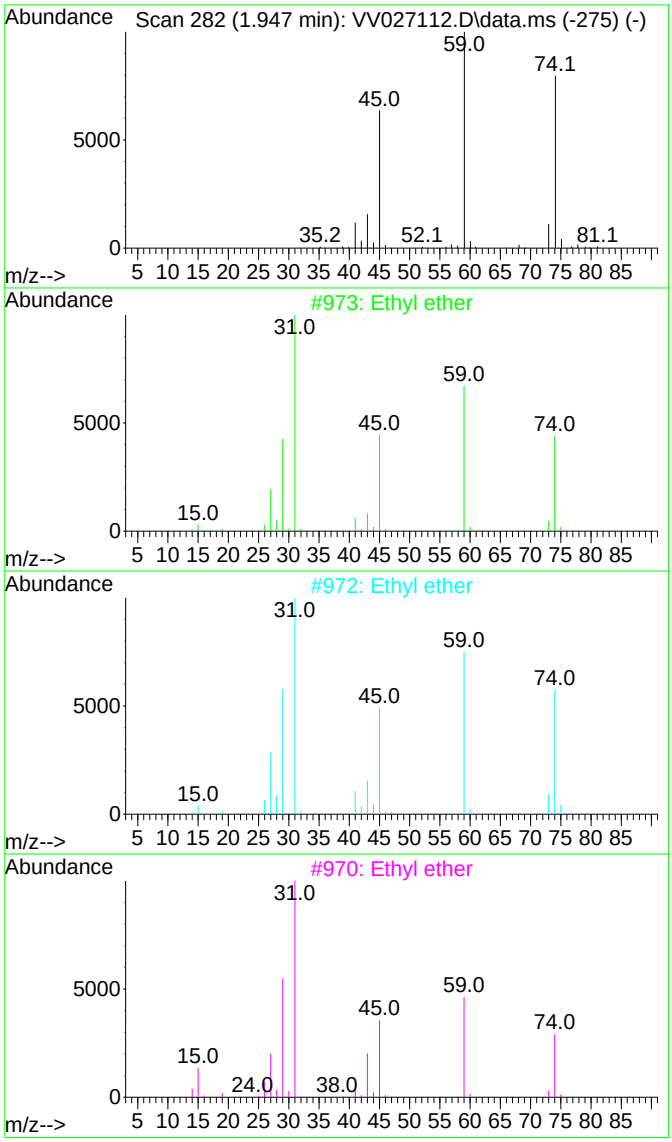
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

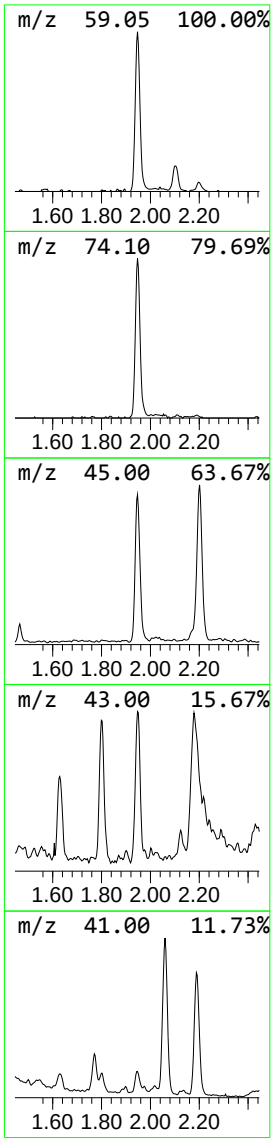
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Ethyl ether Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.947	2.86 ug/L	77573	1,4-Difluorobenzene	5.613

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethyl ether	74	C4H10O	000060-29-7	91
2	Ethyl ether	74	C4H10O	000060-29-7	90
3	Ethyl ether	74	C4H10O	000060-29-7	83
4	Ethane, 1,2-diethoxy-	118	C6H14O2	000629-14-1	74
5	Thiirane, methyl-	74	C3H6S	001072-43-1	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027112.D
Acq On : 30 Jul 2022 03:07
Operator : SY/MD
Sample : N3956-11
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF08

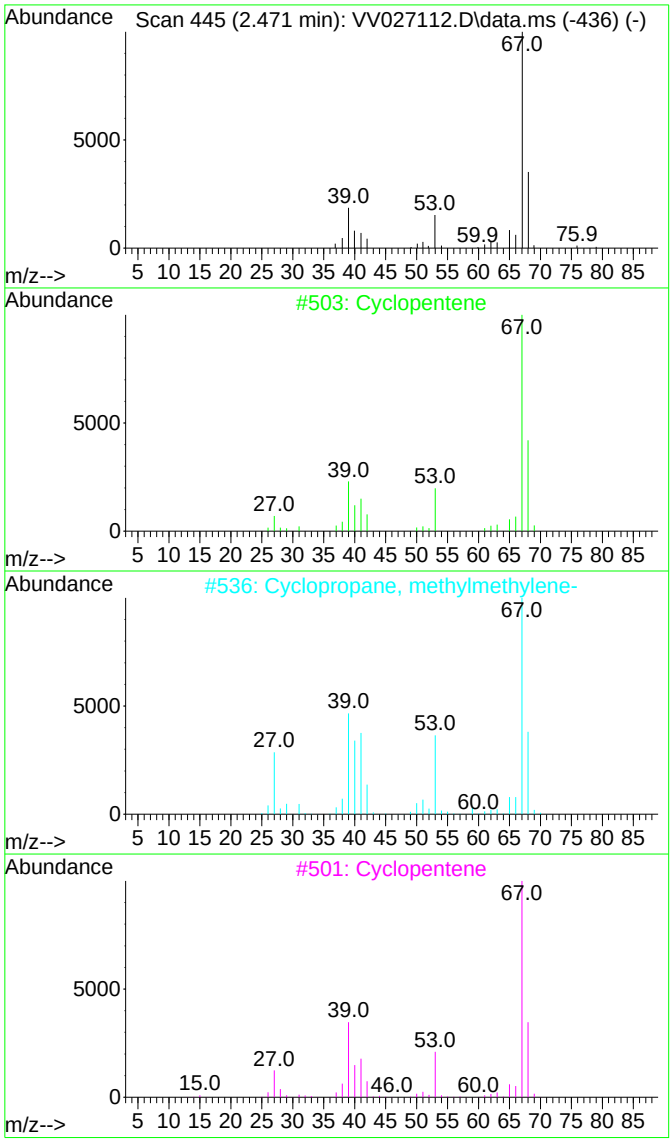
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

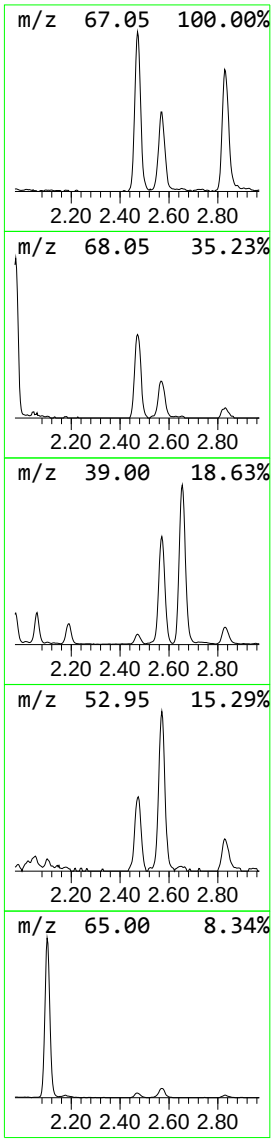
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Cyclopentene Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.471	3.18 ug/L	86340	1,4-Difluorobenzene	5.613

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene	68	C5H8	000142-29-0	90
2	Cyclopropane, methylmethylene-	68	C5H8	018631-84-0	83
3	Cyclopentene	68	C5H8	000142-29-0	72
4	Bicyclo[2.1.0]pentane	68	C5H8	000185-94-4	72
5	2,3-Diazabicyclo[2.2.1]-hept-2-ene	96	C5H8N2	002721-32-6	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027112.D
Acq On : 30 Jul 2022 03:07
Operator : SY/MD
Sample : N3956-11
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF08

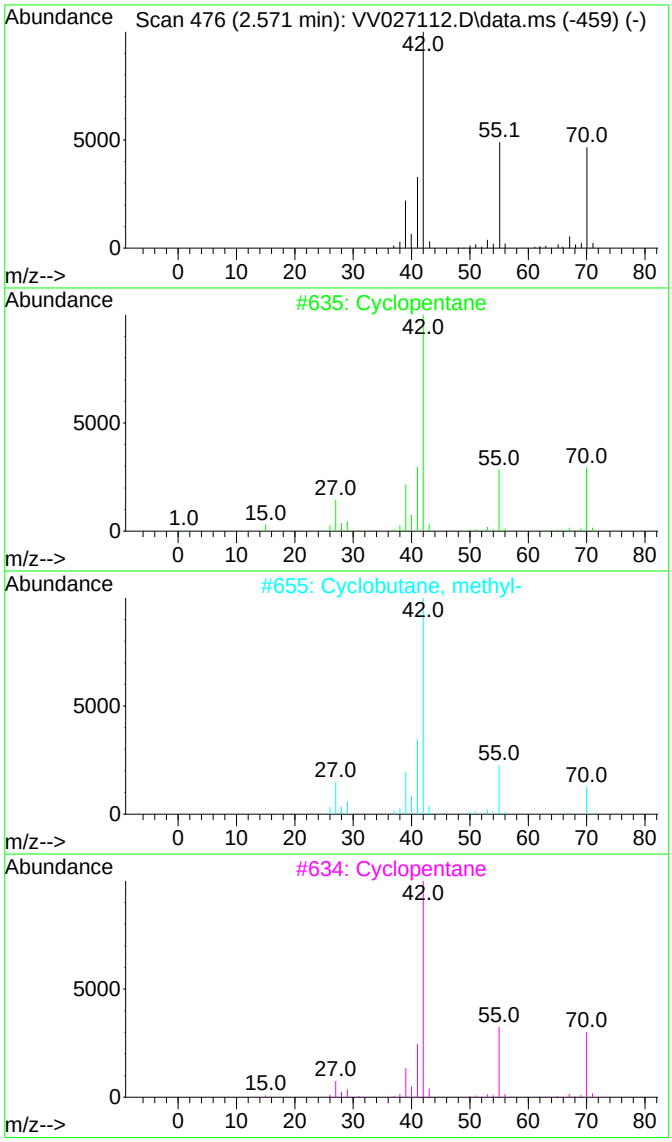
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

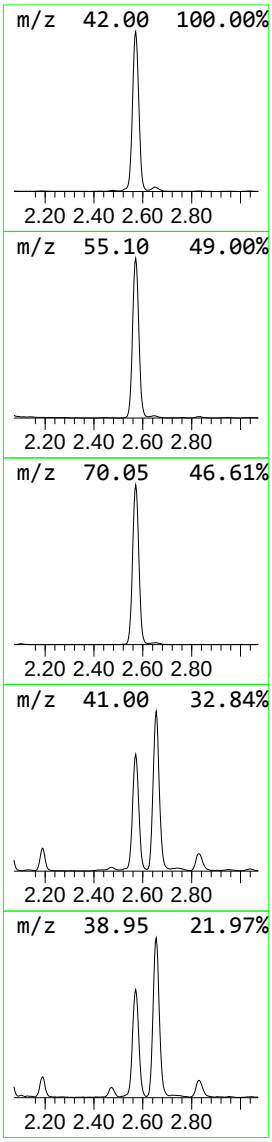
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Cyclic2.571 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.571	39.47 ug/L	1070530	1,4-Difluorobenzene	5.613

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane	70	C5H10	000287-92-3	86
2	Cyclobutane, methyl-	70	C5H10	000598-61-8	78
3	Cyclopentane	70	C5H10	000287-92-3	78
4	1-Pentene	70	C5H10	000109-67-1	72
5	1-Pentene	70	C5H10	000109-67-1	37





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Data File : VV027112.D
Acq On : 30 Jul 2022 03:07
Operator : SY/MD
Sample : N3956-11
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF08

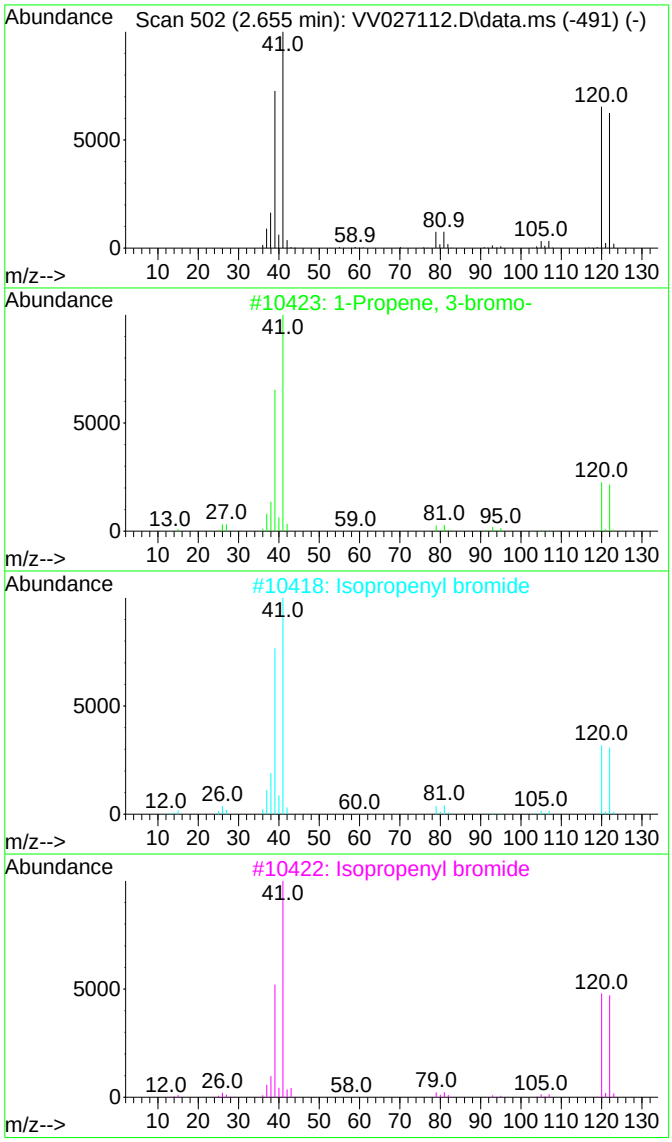
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

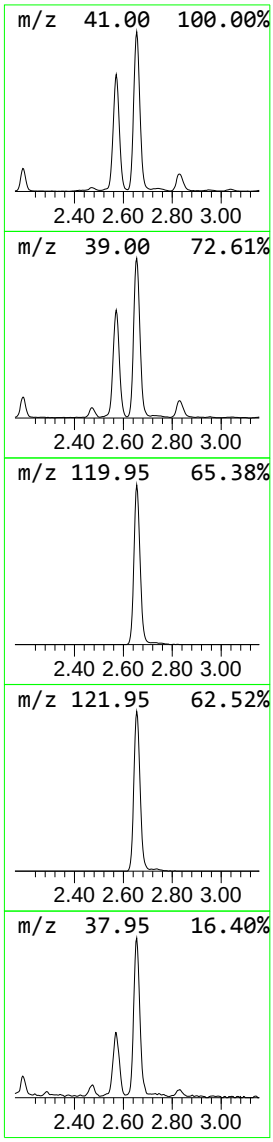
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 1-Propene, 3-bromo- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.655	22.29 ug/L	604492	1,4-Difluorobenzene	5.613

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propene, 3-bromo-	120	C3H5Br	000106-95-6	91
2	Isopropenyl bromide	120	C3H5Br	000557-93-7	91
3	Isopropenyl bromide	120	C3H5Br	000557-93-7	91
4	Isopropenyl bromide	120	C3H5Br	000557-93-7	91
5	Cyclopropyl bromide	120	C3H5Br	004333-56-6	90





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Acq On : 30 Jul 2022 03:07
Operator : SY/MD
Sample : N3956-11
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF08

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

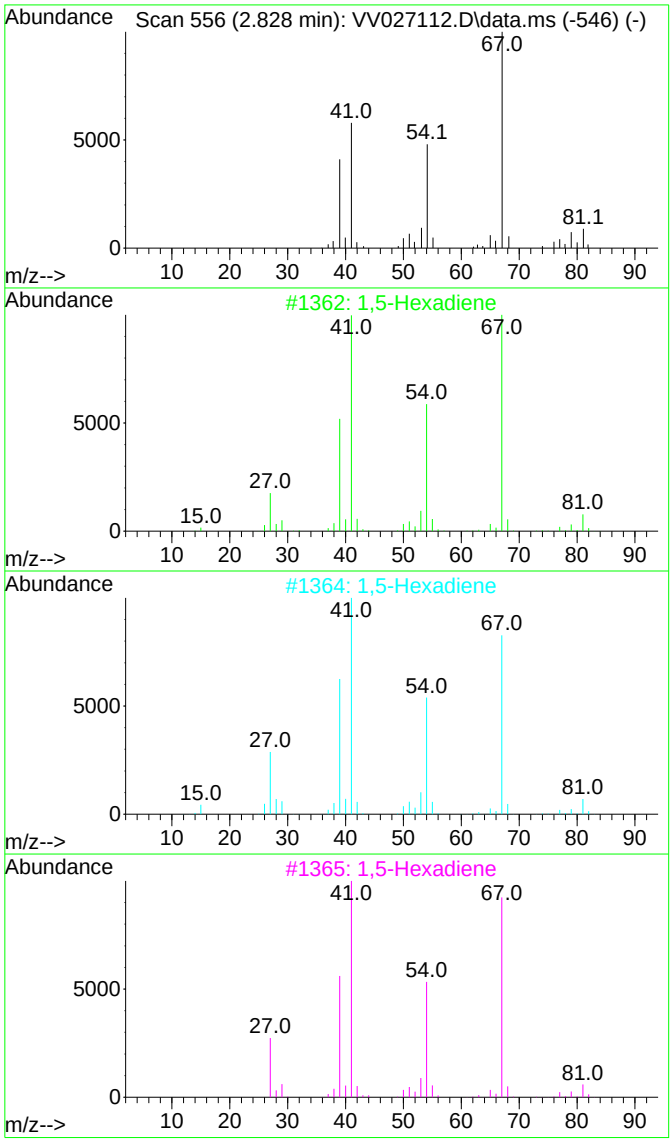
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

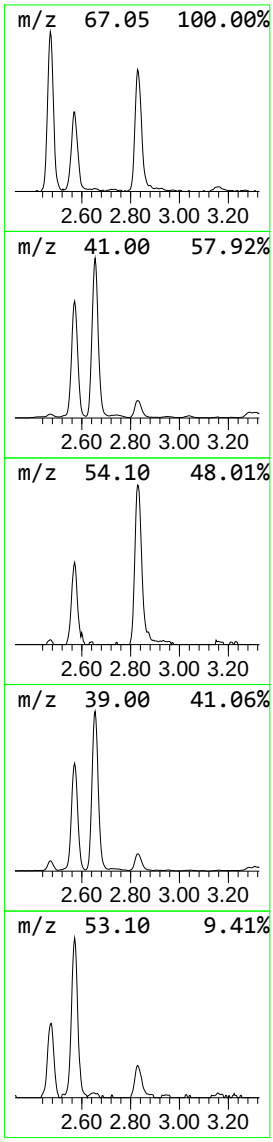
****

Peak Number 7 1,5-Hexadiene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.828	4.06 ug/L	110089	1,4-Difluorobenzene	5.613

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,5-Hexadiene	82	C6H10	000592-42-7	90
2	1,5-Hexadiene	82	C6H10	000592-42-7	64
3	1,5-Hexadiene	82	C6H10	000592-42-7	59
4	Cyclopropane, 1,2-dimethyl-3-met...	82	C6H10	005070-00-8	59
5	Bicyclo[3.1.0]hexane	82	C6H10	000285-58-5	53





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Acq On : 30 Jul 2022 03:07
Operator : SY/MD
Sample : N3956-11
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF08

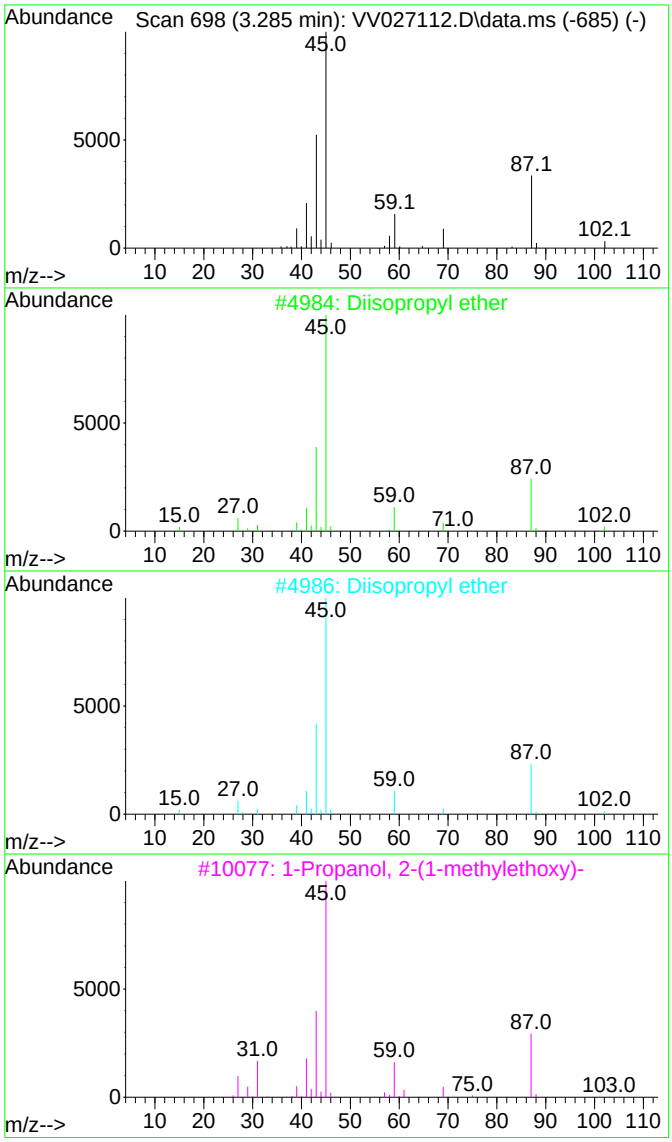
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

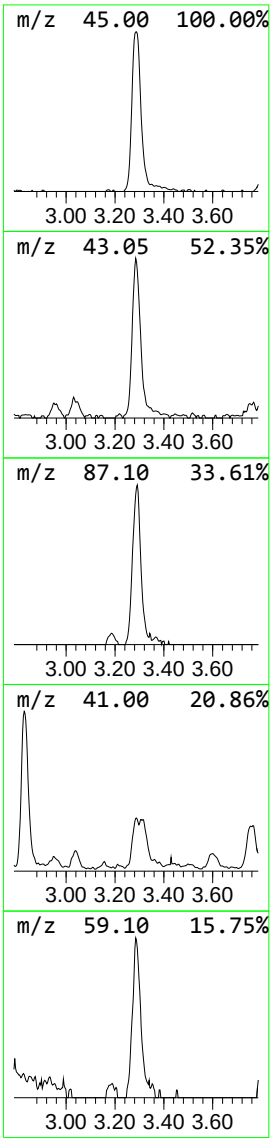
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Diisopropyl ether Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.285	3.83 ug/L	103872	1,4-Difluorobenzene	5.613

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diisopropyl ether	102	C6H14O	000108-20-3	91
2	Diisopropyl ether	102	C6H14O	000108-20-3	91
3	1-Propanol, 2-(1-methylethoxy)-	118	C6H14O2	003944-37-4	78
4	Diisopropyl ether	102	C6H14O	000108-20-3	64
5	1-Propanol, 2-(1-methylethoxy)-	118	C6H14O2	003944-37-4	64





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Data File : VV027112.D
Acq On : 30 Jul 2022 03:07
Operator : SY/MD
Sample : N3956-11
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF08

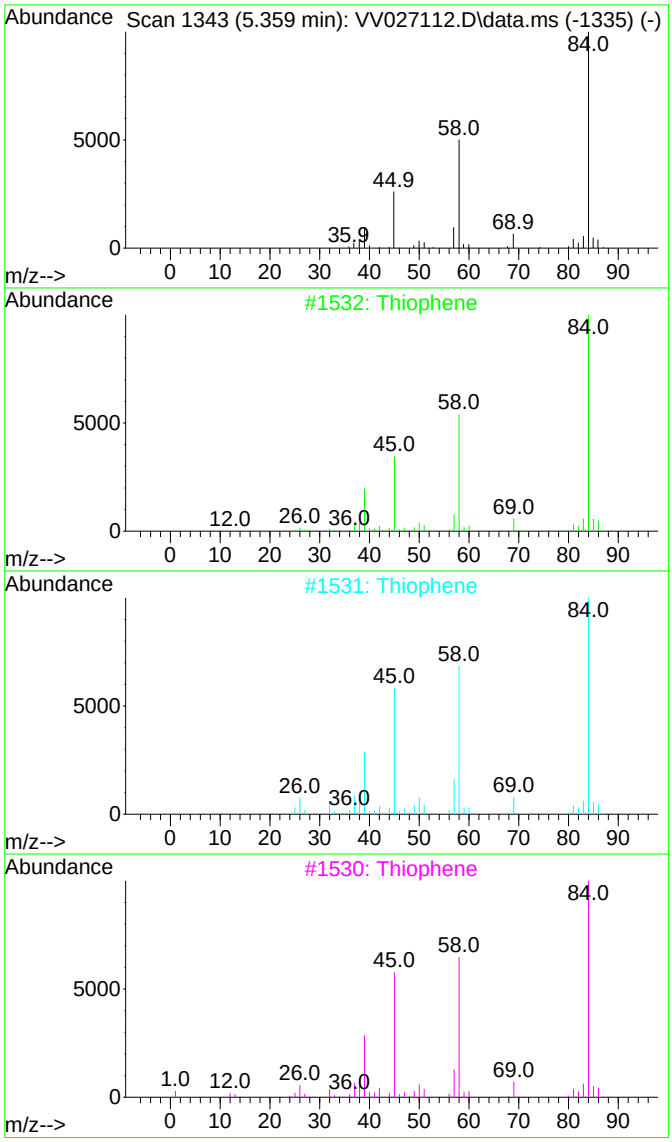
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

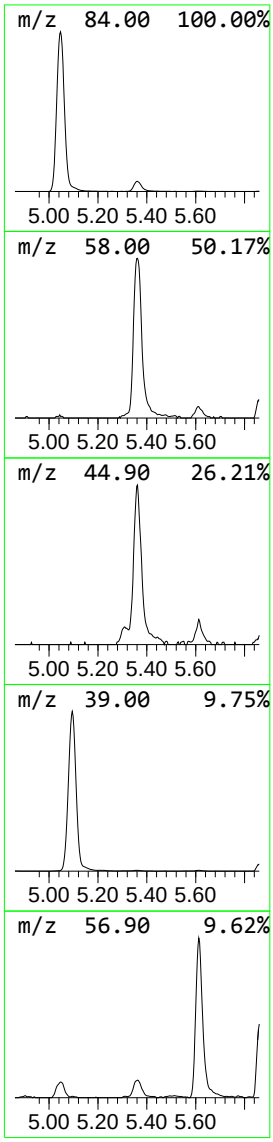
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Thiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.359	6.29 ug/L	170568	1,4-Difluorobenzene	5.613

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene	84	C4H4S	000110-02-1	91
2	Thiophene	84	C4H4S	000110-02-1	83
3	Thiophene	84	C4H4S	000110-02-1	83
4	Thiophene	84	C4H4S	000110-02-1	78
5	4H-1,2,4-Triazol-4-amine	84	C2H4N4	000584-13-4	37





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Acq On : 30 Jul 2022 03:07
Operator : SY/MD
Sample : N3956-11
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF08

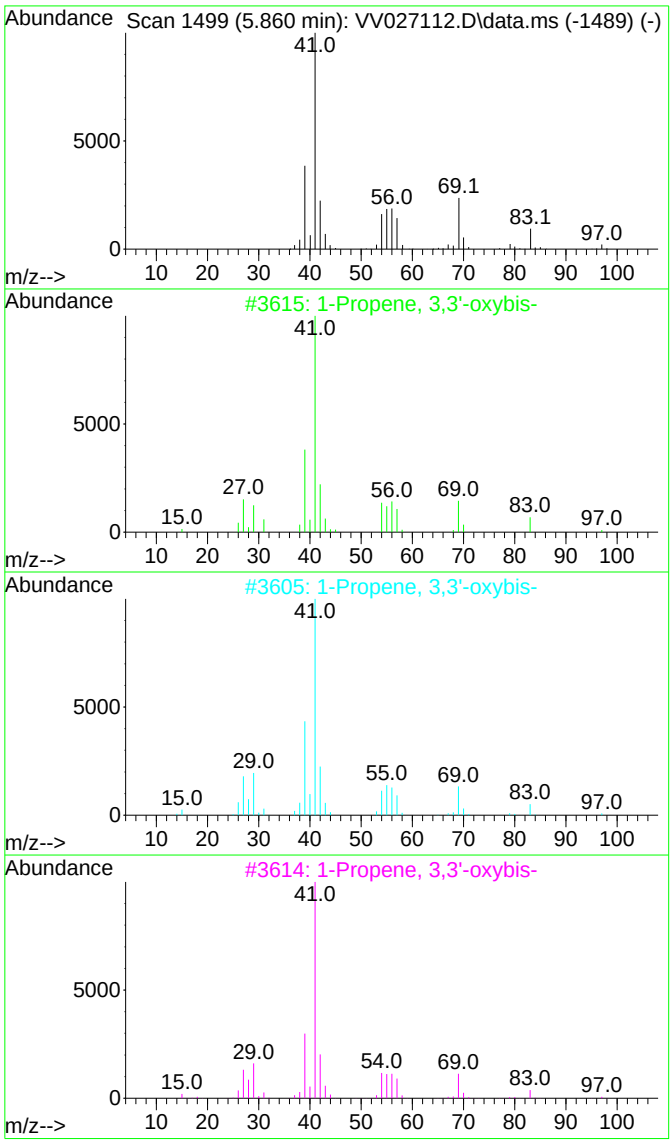
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

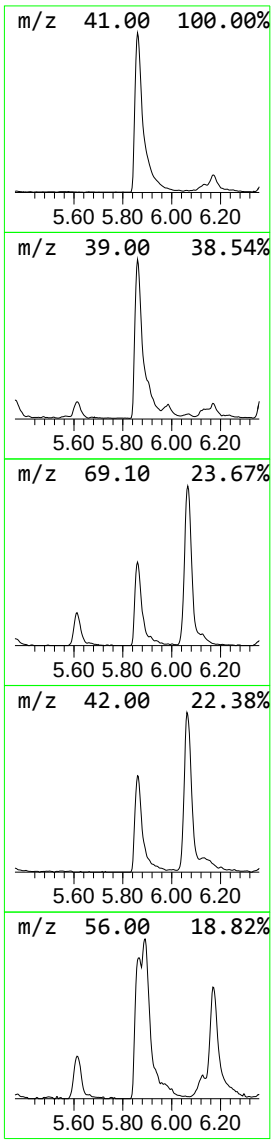
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 1-Propene, 3,3'-oxybis- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.860	17.76 ug/L	481798	1,4-Difluorobenzene	5.613

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propene, 3,3'-oxybis-	98	C6H10O	000557-40-4	83
2	1-Propene, 3,3'-oxybis-	98	C6H10O	000557-40-4	78
3	1-Propene, 3,3'-oxybis-	98	C6H10O	000557-40-4	50
4	Cyclopropylamine, N-isobutylidene-	111	C7H13N	1000164-79-7	33
5	1-Propene, 3,3'-oxybis-	98	C6H10O	000557-40-4	32





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Acq On : 30 Jul 2022 03:07
Operator : SY/MD
Sample : N3956-11
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF08

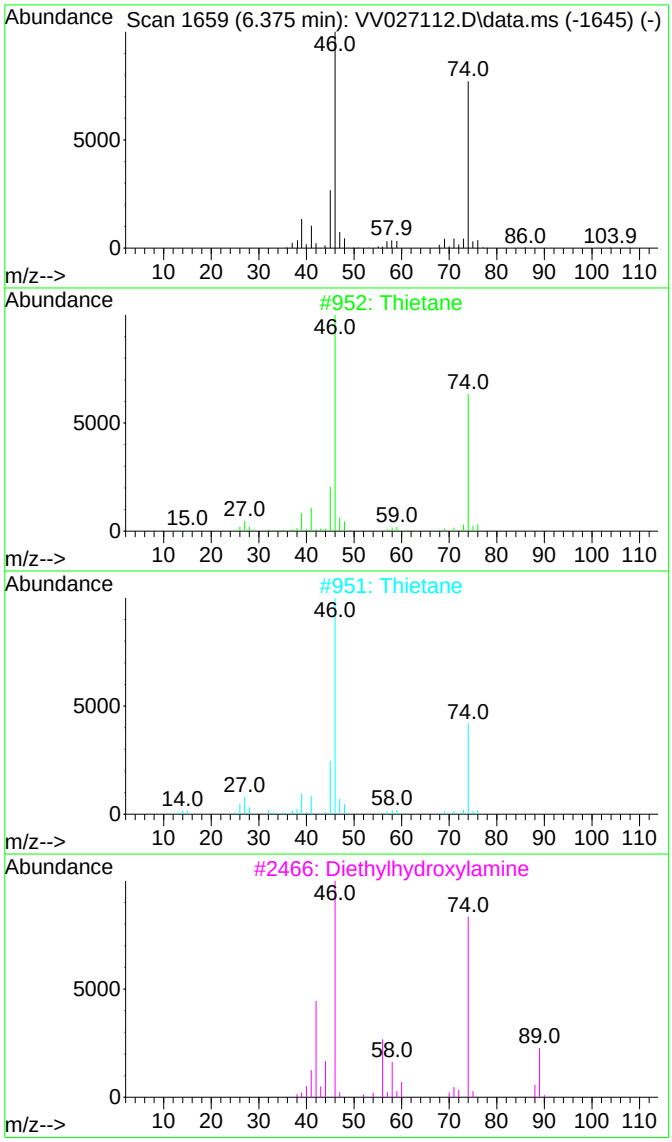
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

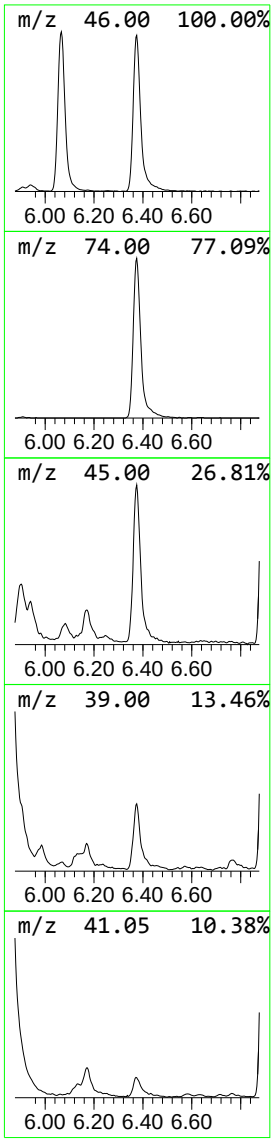
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Thietane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.375	12.77 ug/L	346351	1,4-Difluorobenzene	5.613

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thietane	74	C3H6S	000287-27-4	91
2	Thietane	74	C3H6S	000287-27-4	90
3	Diethylhydroxylamine	89	C4H11NO	003710-84-7	38
4	Dihydro-3-(2H)-thiophenone	102	C4H6OS	001003-04-9	25
5	Thiirane, methyl-	74	C3H6S	001072-43-1	23





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Acq On : 30 Jul 2022 03:07
Operator : SY/MD
Sample : N3956-11
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF08

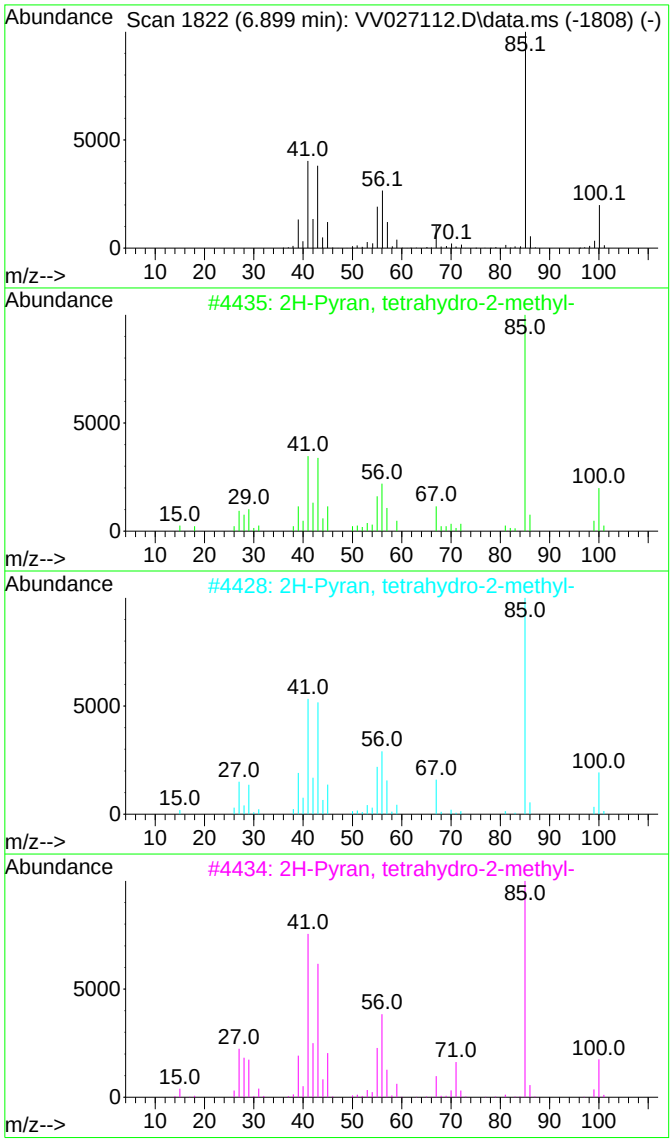
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

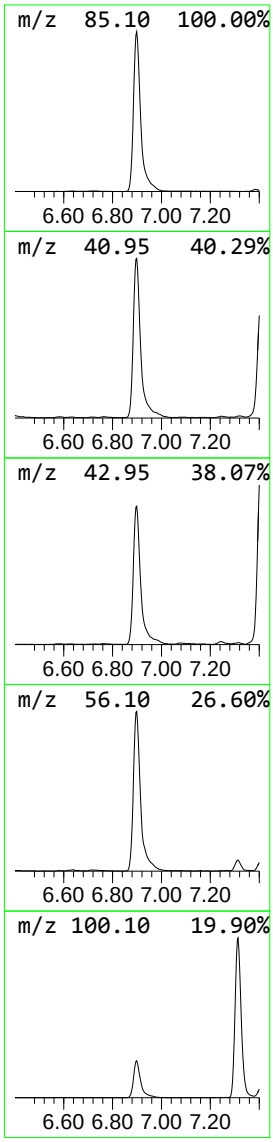
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 2H-Pyran, tetrahydro-2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.899	94.68 ug/L	2567800	1,4-Difluorobenzene	5.613

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Pyran, tetrahydro-2-methyl-	100	C6H12O	010141-72-7	91
2	2H-Pyran, tetrahydro-2-methyl-	100	C6H12O	010141-72-7	91
3	2H-Pyran, tetrahydro-2-methyl-	100	C6H12O	010141-72-7	91
4	2H-Pyran, tetrahydro-2-methyl-	100	C6H12O	010141-72-7	83
5	Furan, tetrahydro-2,4-dimethyl-,...	100	C6H12O	039168-01-9	64





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Operator : SY/MD
Sample : N3956-11
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF08

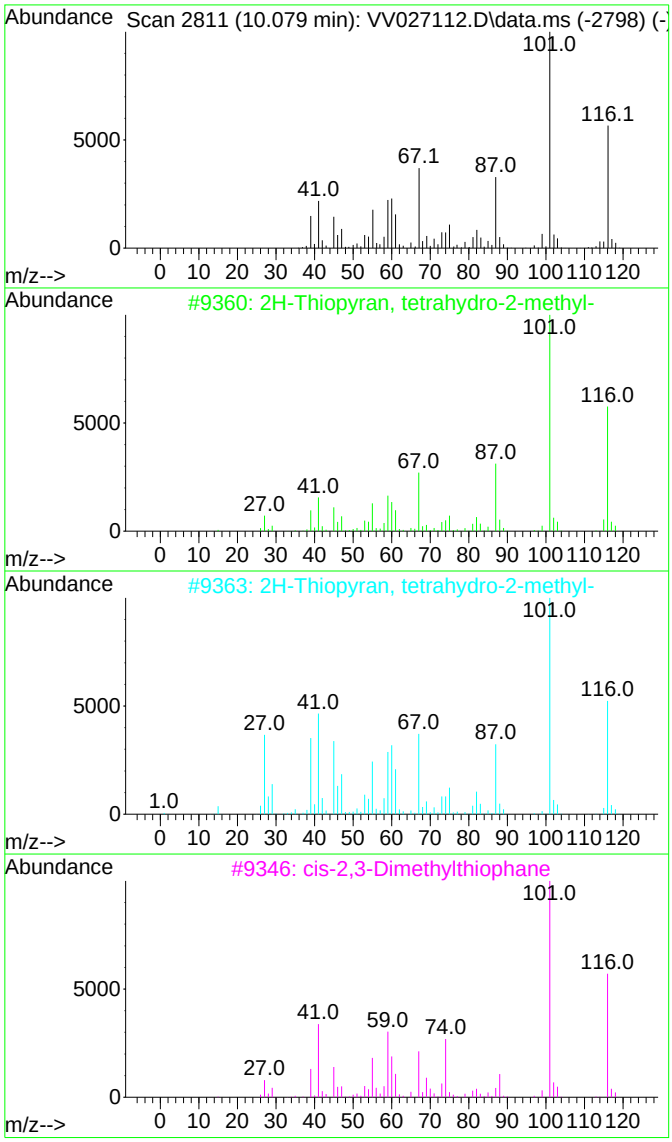
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

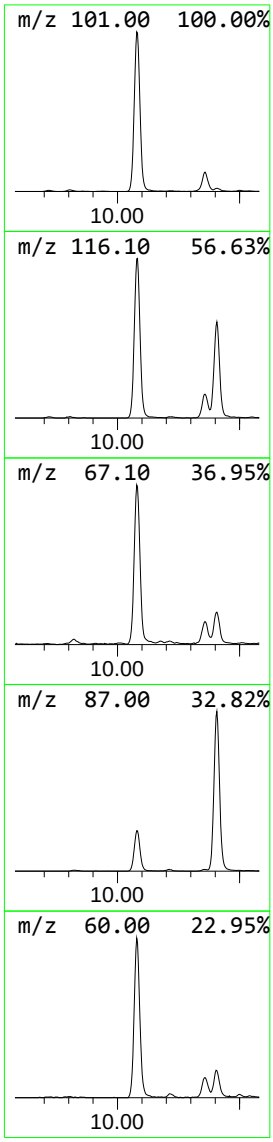
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 2H-Thiopyran, tetrahydro-2-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.079	34.16 ug/L	1361350	1,4-Dichlorobenzene-d4	11.246

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Thiopyran, tetrahydro-2-methyl-	116	C6H12S	005161-16-0	96
2	2H-Thiopyran, tetrahydro-2-methyl-	116	C6H12S	005161-16-0	94
3	cis-2,3-Dimethylthiophane	116	C6H12S	005161-77-3	81
4	trans-2,3-Dimethylthiophane	116	C6H12S	005161-78-4	74
5	cis-2,3-Dimethylthiophane	116	C6H12S	005161-77-3	72





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Sample : N3956-11
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF08

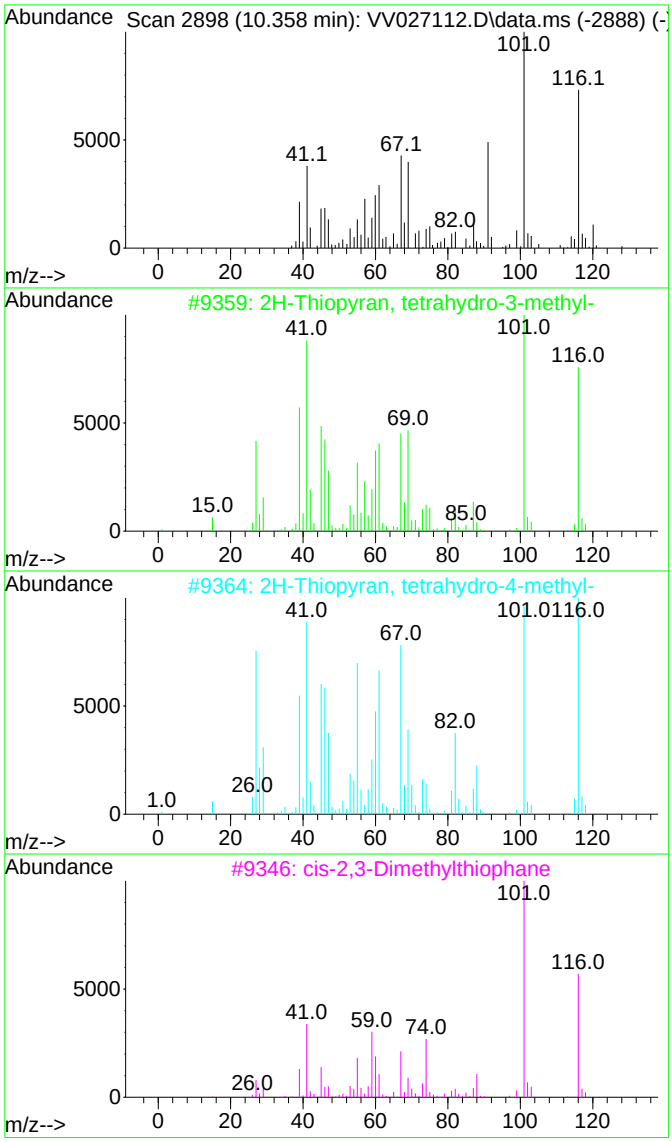
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

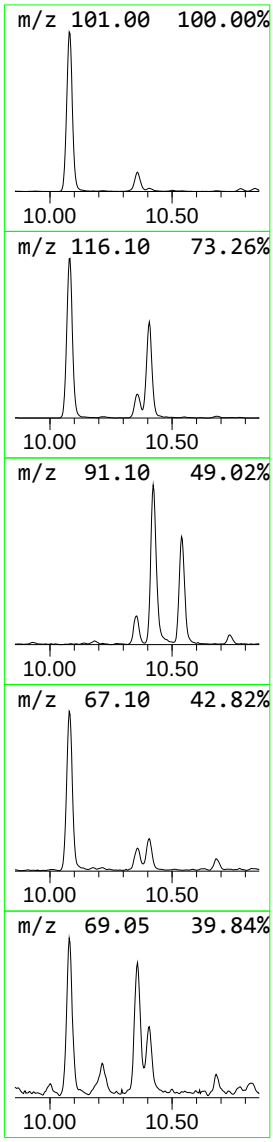
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 2H-Thiopyran, tetrahydro-3-... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.358	5.32 ug/L	211897	1,4-Dichlorobenzene-d4	11.246

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Thiopyran, tetrahydro-3-methyl-	116	C6H12S	005258-50-4	96
2	2H-Thiopyran, tetrahydro-4-methyl-	116	C6H12S	005161-17-1	81
3	cis-2,3-Dimethylthiophane	116	C6H12S	005161-77-3	59
4	2H-Thiopyran, tetrahydro-4-methyl-	116	C6H12S	005161-17-1	58
5	Allylthiourea	116	C4H8N2S	000109-57-9	49





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Sample : N3956-11
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF08

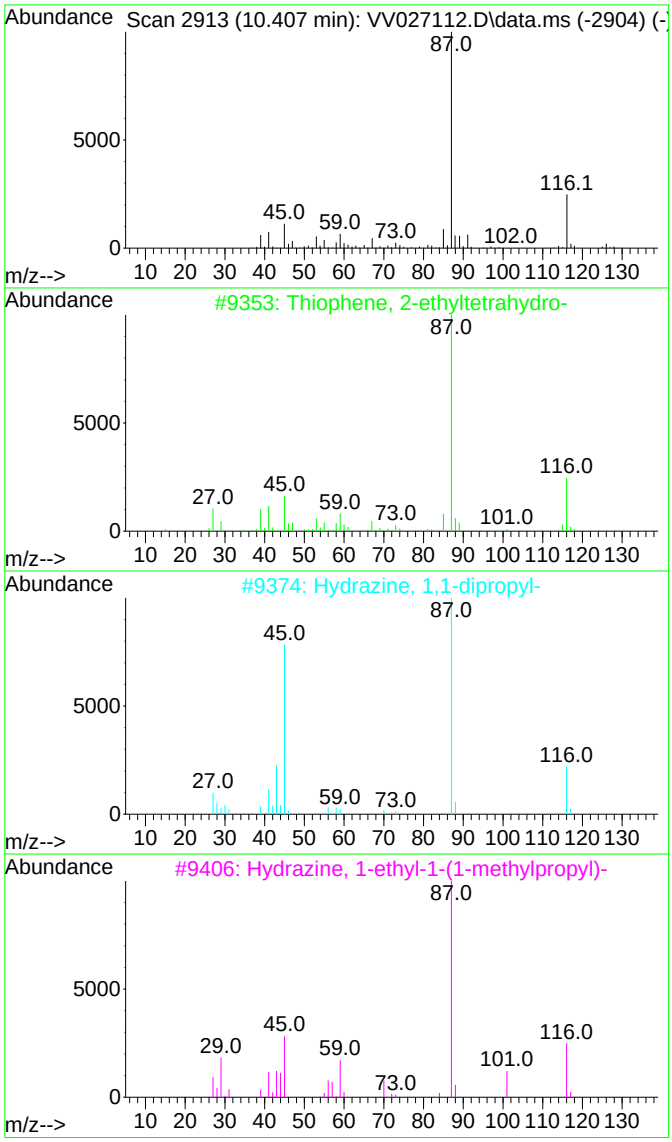
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

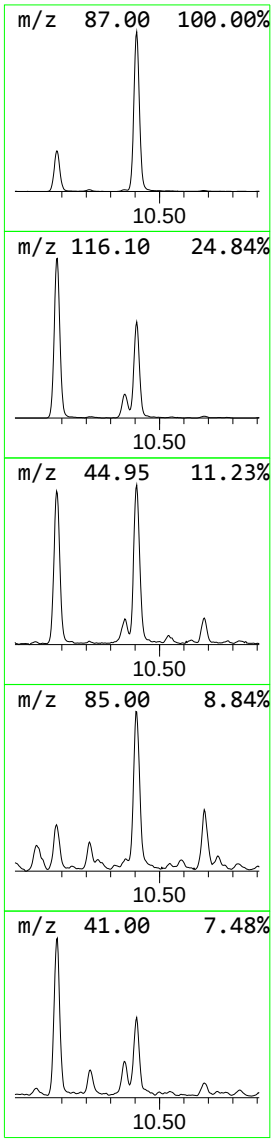
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Thiophene, 2-ethyltetrahydro- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.407	26.33 ug/L	1049420	1,4-Dichlorobenzene-d4	11.246

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 2-ethyltetrahydro-	116	C6H12S	001551-32-2	91
2	Hydrazine, 1,1-dipropyl-	116	C6H16N2	004986-50-9	80
3	Hydrazine, 1-ethyl-1-(1-methylpr...	116	C6H16N2	020325-97-7	50
4	Hydrazine, 1-ethyl-1-(1-methylpr...	116	C6H16N2	020325-97-7	45
5	Hydrazine, 1,1-dipropyl-	116	C6H16N2	004986-50-9	45





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Operator : SY/MD
Sample : N3956-11
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF08

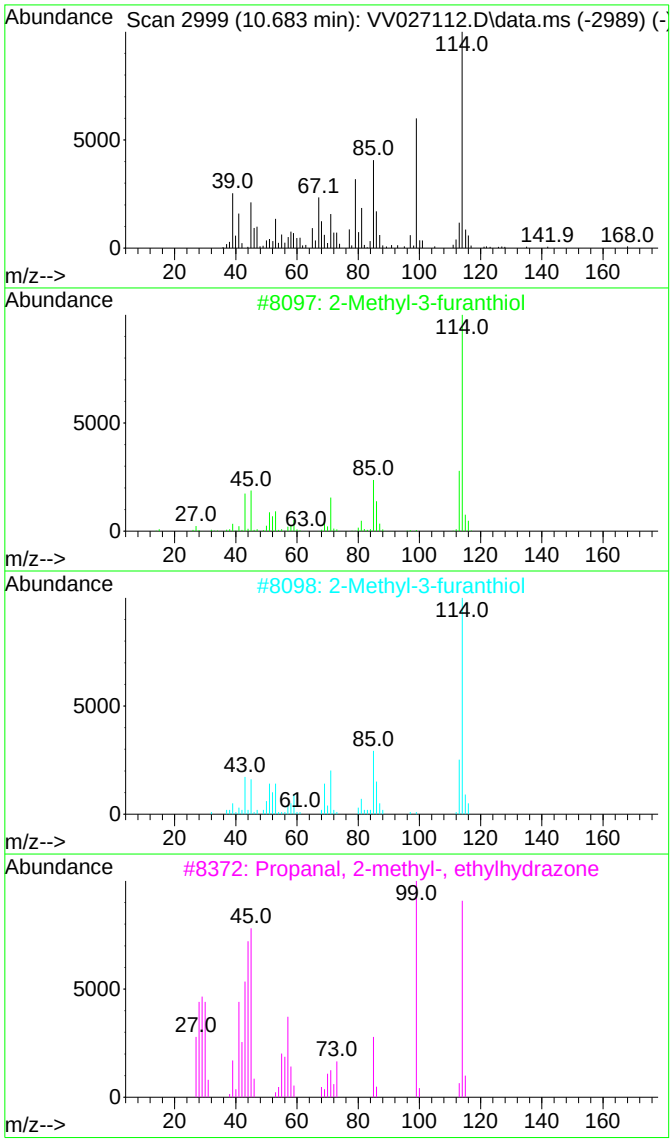
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

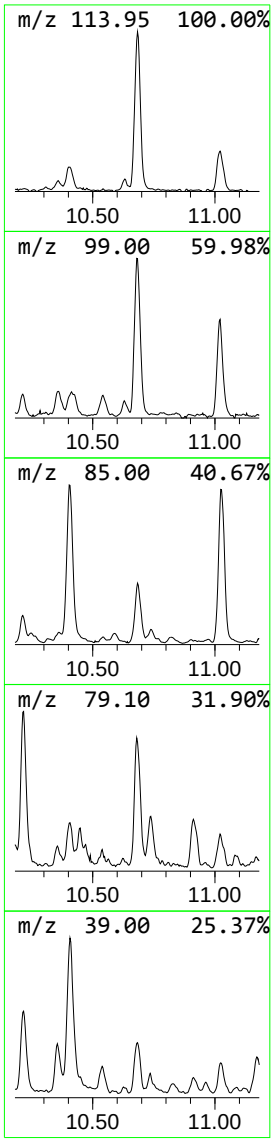
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 2-Methyl-3-furanthiol Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.683	4.37 ug/L	174274	1,4-Dichlorobenzene-d4	11.246

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyl-3-furanthiol	114	C5H6OS	028588-74-1	50
2	2-Methyl-3-furanthiol	114	C5H6OS	028588-74-1	43
3	Propanal, 2-methyl-, ethylhydrazone	114	C6H14N2	020607-77-6	43
4	Chloro(propylthio)methylphosphine	156	C4H10ClPS	1000456-52-7	38
5	2-Methoxythiophene	114	C5H6OS	016839-97-7	38





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Data File : VV027112.D
Acq On : 30 Jul 2022 03:07
Operator : SY/MD
Sample : N3956-11
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF08

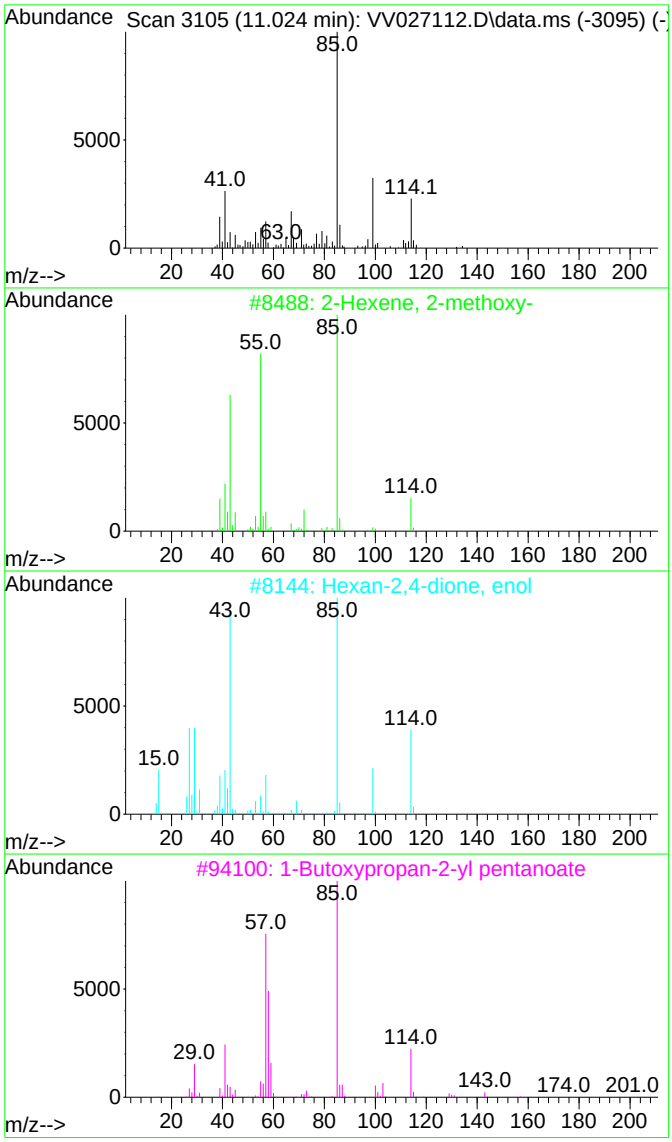
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

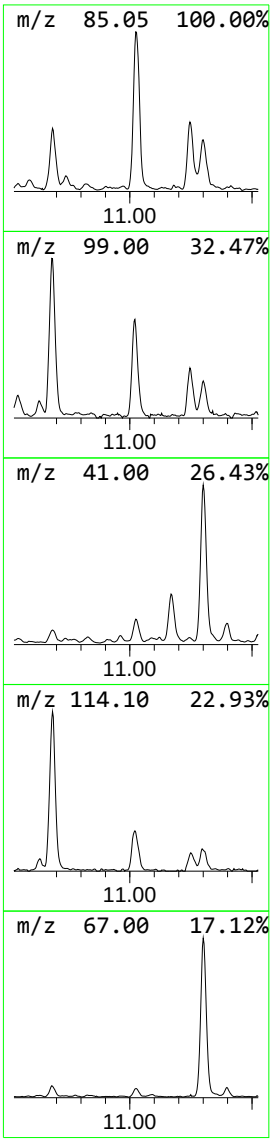
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 2-Hexene, 2-methoxy- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.024	2.90 ug/L	115429	1,4-Dichlorobenzene-d4	11.246

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexene, 2-methoxy-	114	C7H14O	061142-45-8	59
2	Hexan-2,4-dione, enol	114	C6H10O2	1000202-23-9	53
3	1-Butoxypropan-2-yl pentanoate	216	C12H24O3	1000367-12-0	53
4	2H-Pyran, tetrahydro-2-methyl-	100	C6H12O	010141-72-7	50
5	2-Butyne, 1,4-bis[(tetrahydropyr...	254	C14H22O4	092372-45-7	50





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Data File : VV027112.D
Acq On : 30 Jul 2022 03:07
Operator : SY/MD
Sample : N3956-11
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF08

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

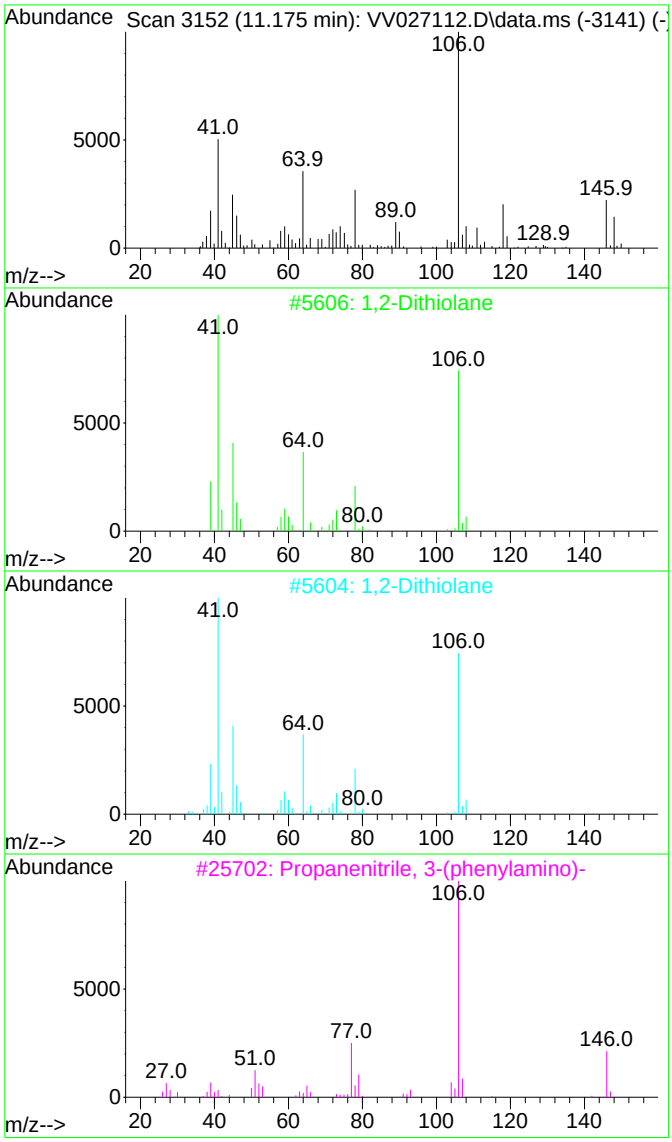
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

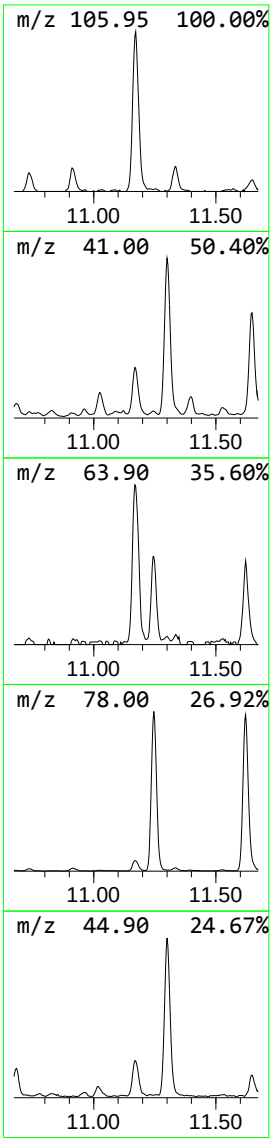
****

Peak Number 19 1,2-Dithiolane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.175	4.80 ug/L	191109	1,4-Dichlorobenzene-d4	11.246

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Dithiolane	106	C3H6S2	000557-22-2	83
2	1,2-Dithiolane	106	C3H6S2	000557-22-2	64
3	Propanenitrile, 3-(phenylamino)-	146	C9H10N2	001075-76-9	38
4	1,3-Dithiolane	106	C3H6S2	004829-04-3	25
5	N-(2,4-Dinitrobenzamido)-3-pyrid...	331	C13H9N5O6	1000223-90-2	16





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Acq On : 30 Jul 2022 03:07
Operator : SY/MD
Sample : N3956-11
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF08

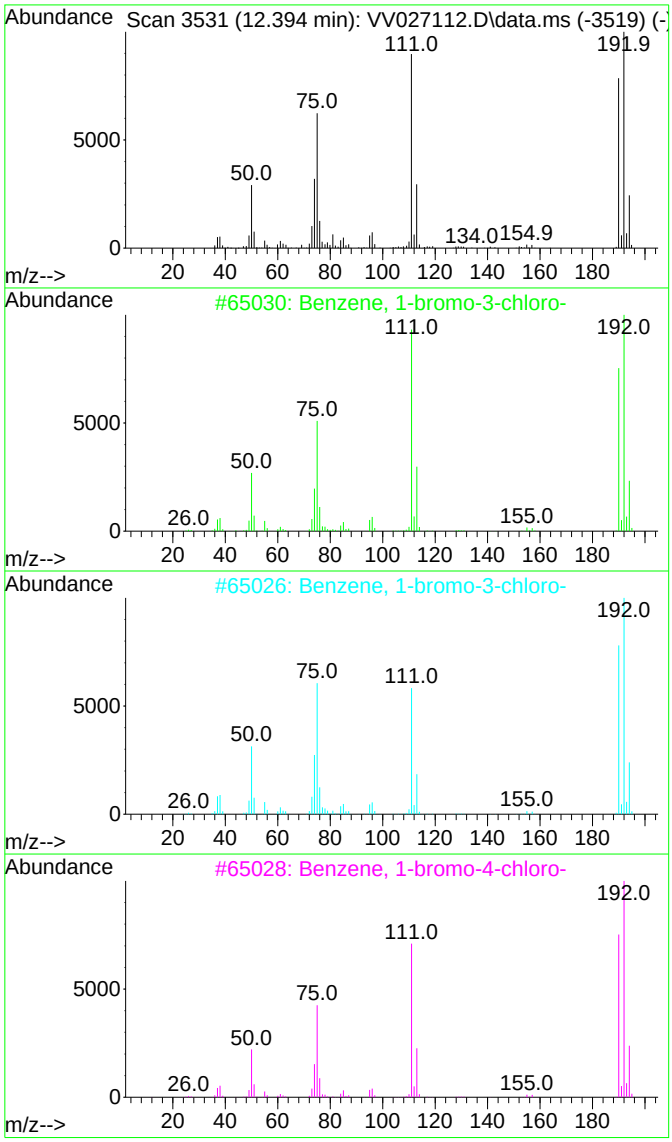
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

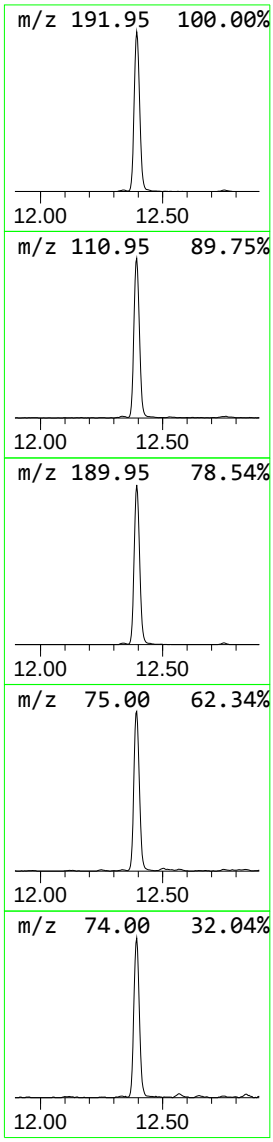
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Benzene, 1-bromo-3-chloro- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.394	23.49 ug/L	935989	1,4-Dichlorobenzene-d4	11.246

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-bromo-3-chloro-	190	C6H4BrCl	000108-37-2	98
2	Benzene, 1-bromo-3-chloro-	190	C6H4BrCl	000108-37-2	98
3	Benzene, 1-bromo-4-chloro-	190	C6H4BrCl	000106-39-8	98
4	Benzene, 1-bromo-2-chloro-	190	C6H4BrCl	000694-80-4	98
5	Benzene, 1-bromo-3-chloro-	190	C6H4BrCl	000108-37-2	97





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Data File : VV027112.D
Acq On : 30 Jul 2022 03:07
Operator : SY/MD
Sample : N3956-11
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF08

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

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

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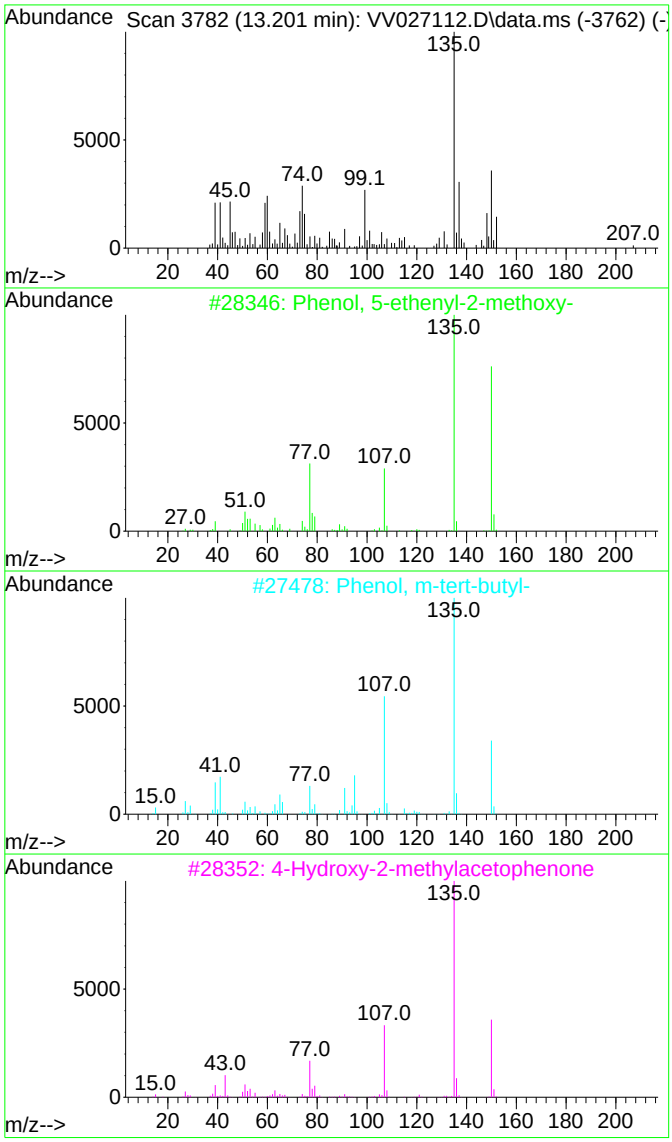
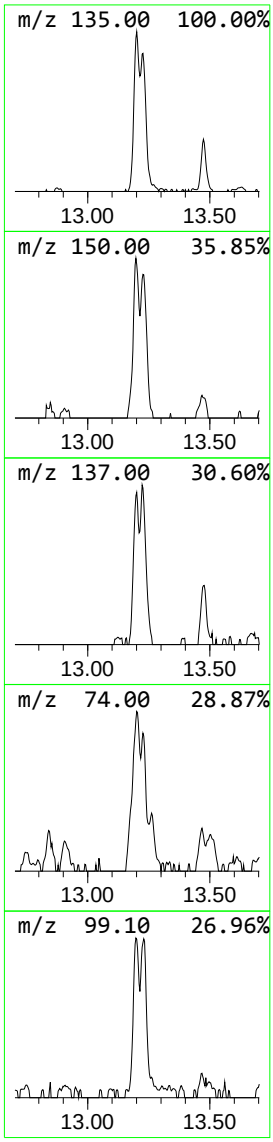
Peak Number 21 unknown-01 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.201	3.58 ug/L	142608	1,4-Dichlorobenzene-d4	11.246

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 5-ethenyl-2-methoxy-	150	C9H10O2	000621-58-9	38
2	Phenol, m-tert-butyl-	150	C10H14O	000585-34-2	38
3	4-Hydroxy-2-methylacetophenone	150	C9H10O2	000875-59-2	38
4	4-Hydroxy-2-methylacetophenone	150	C9H10O2	000875-59-2	38
5	Benzene, 1-methoxy-4-(1-methylet...	150	C10H14O	004132-48-3	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027112.D
Acq On : 30 Jul 2022 03:07
Operator : SY/MD
Sample : N3956-11
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF08

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

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

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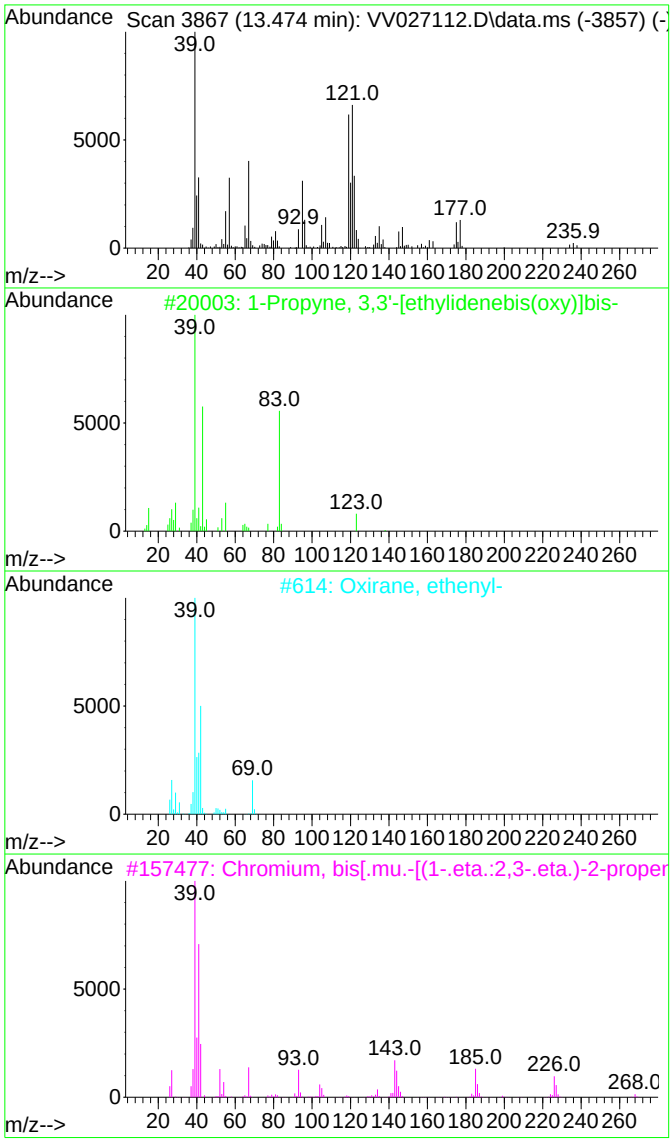
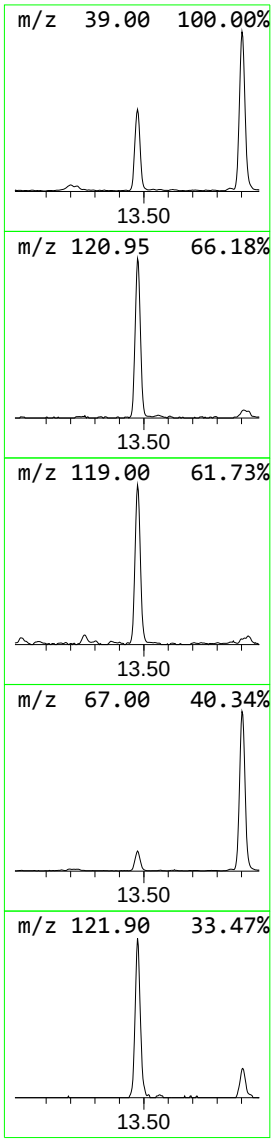
Peak Number 22 unknown-02 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.474	9.45 ug/L	376557	1,4-Dichlorobenzene-d4	11.246

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propyne, 3,3'-[ethylidenebis(o...	138	C8H10O2	002188-15-0	47
2	Oxirane, ethenyl-	70	C4H6O	000930-22-3	47
3	Chromium, bis[.mu.-[(1-.eta.:2,3...	268	C12H20Cr2	012295-17-9	40
4	Oxirane, ethenyl-	70	C4H6O	000930-22-3	28
5	1H-Imidazo[4,5-b]pyridine	119	C6H5N3	000273-21-2	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027112.D
Acq On : 30 Jul 2022 03:07
Operator : SY/MD
Sample : N3956-11
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF08

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

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

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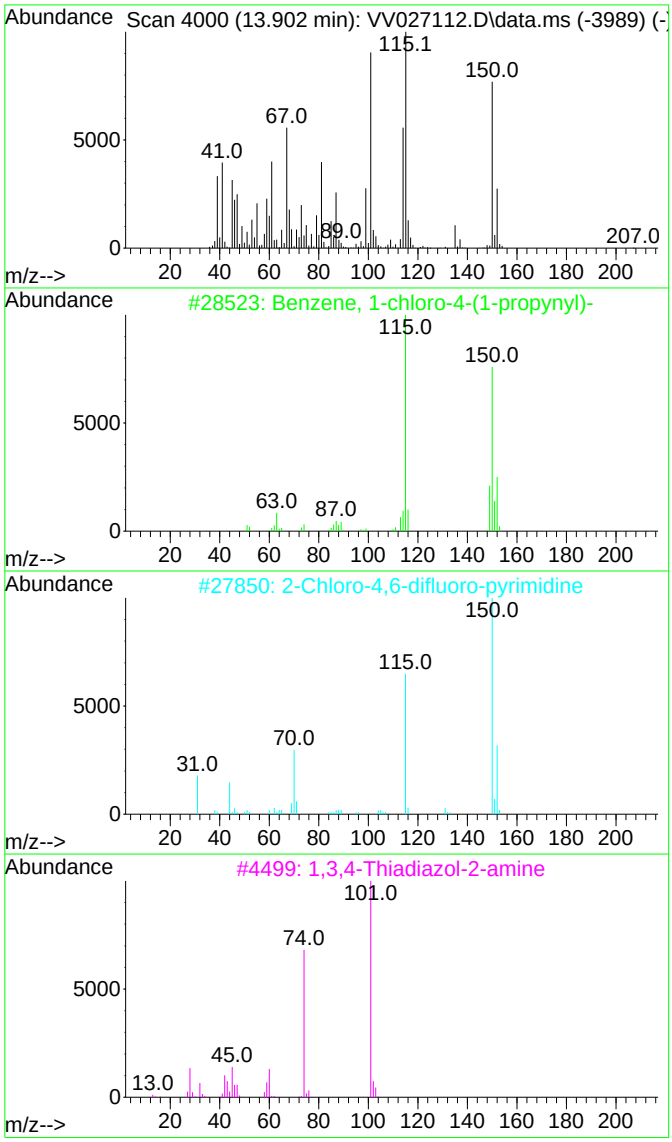
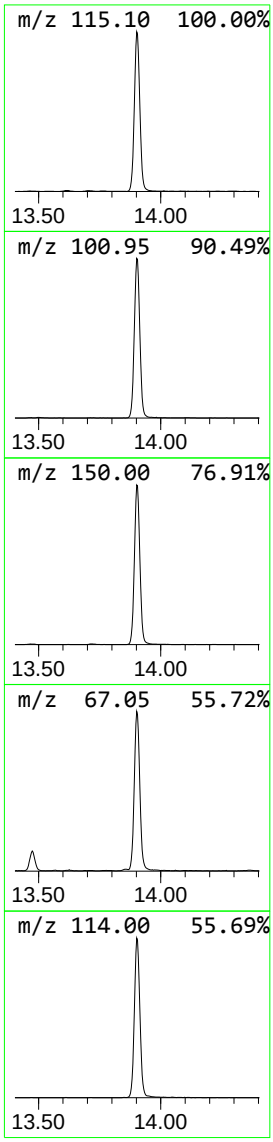
Peak Number 23 unknown-03 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.902	72.72 ug/L	2897710	1,4-Dichlorobenzene-d4	11.246

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-chloro-4-(1-propynyl)-	150	C9H7Cl	002809-65-6	43
2	2-Chloro-4,6-difluoro-pyrimidine	150	C4HClF2N2	038953-30-9	27
3	1,3,4-Thiadiazol-2-amine	101	C2H3N3S	004005-51-0	11
4	Propane, 1-isothiocyanato-	101	C4H7NS	000628-30-8	11
5	Imidazo[5,1-f][1,2,4]triazine-2,...	150	C5H6N6	051292-20-7	11





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027112.D
Acq On : 30 Jul 2022 03:07
Operator : SY/MD
Sample : N3956-11
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF08

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

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

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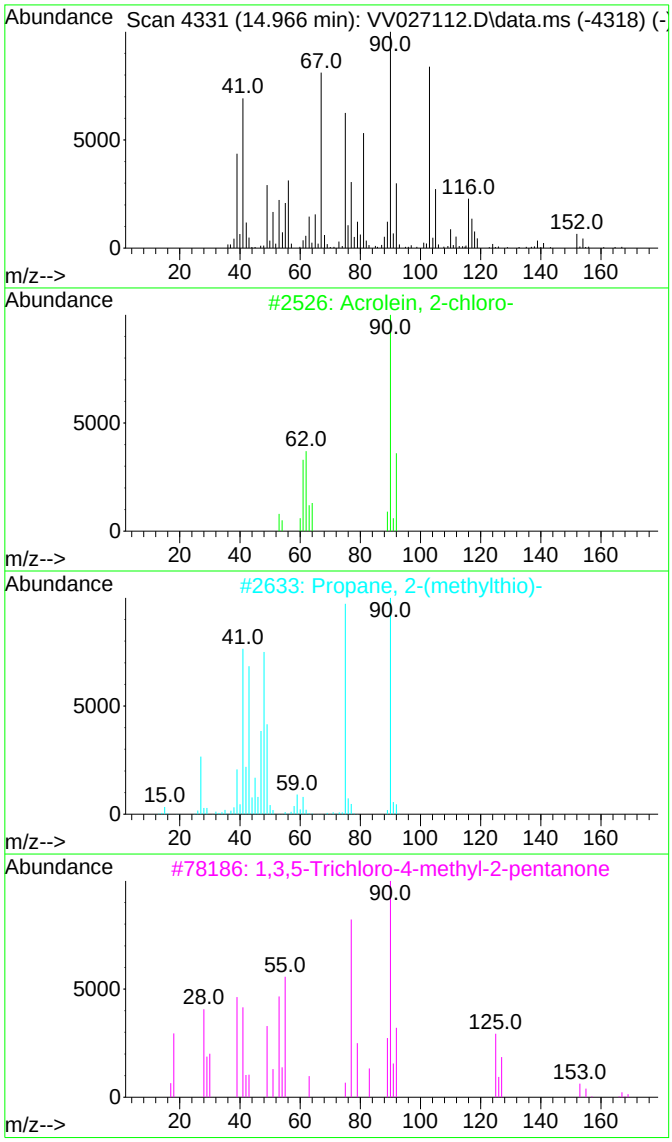
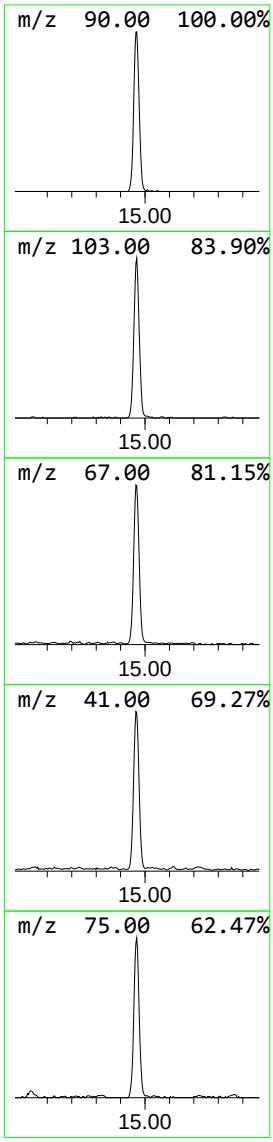
Peak Number 24 unknown-04 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.966	9.75 ug/L	388432	1,4-Dichlorobenzene-d4	11.246

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acrolein, 2-chloro-	90	C3H3ClO	000683-51-2	43
2	Propane, 2-(methylthio)-	90	C4H10S	001551-21-9	28
3	1,3,5-Trichloro-4-methyl-2-penta...	202	C6H9Cl3O	1000140-03-8	25
4	2,2-Bis(chloromethyl)-1-propanol	156	C5H10Cl2O	005355-54-4	23
5	Borane, chloro(dimethylamino)ethyl-	119	C4H11BClN	001739-26-0	23





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027112.D
Acq On : 30 Jul 2022 03:07
Operator : SY/MD
Sample : N3956-11
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF08

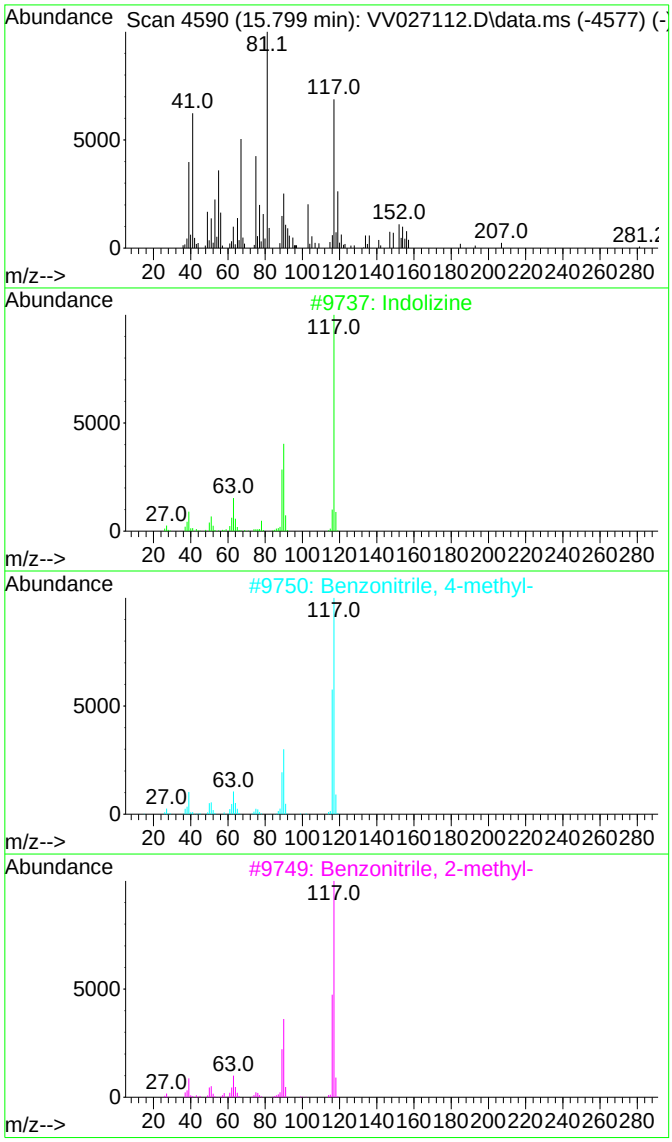
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

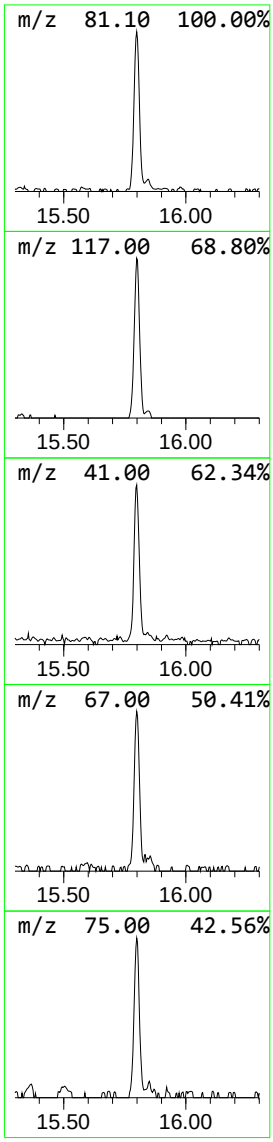
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 25 unknown-05 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.799	2.93 ug/L	116770	1,4-Dichlorobenzene-d4	11.246

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indolizine	117	C8H7N	000274-40-8	15
2	Benzonitrile, 4-methyl-	117	C8H7N	000104-85-8	15
3	Benzonitrile, 2-methyl-	117	C8H7N	000529-19-1	15
4	1,2-Dibromo-5-hexene	240	C6H10Br2	004285-48-7	14
5	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	14





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027112.D
Acq On : 30 Jul 2022 03:07
Operator : SY/MD
Sample : N3956-11
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 42 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF08

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
(DEL) Alkane: S...	1.105	1546.2	ug/L	41934900	1	5.613	1356100	50.0
Cyclopropene	1.169	37.2	ug/L	1010090	1	5.613	1356100	50.0
Ethyl ether	1.947	2.9	ug/L	77573	1	5.613	1356100	50.0
Cyclopentene	2.471	3.2	ug/L	86340	1	5.613	1356100	50.0
(DEL) Alkane: C...	2.571	39.5	ug/L	1070530	1	5.613	1356100	50.0
1-Propene, 3-br...	2.655	22.3	ug/L	604492	1	5.613	1356100	50.0
1,5-Hexadiene	2.828	4.1	ug/L	110089	1	5.613	1356100	50.0
Diisopropyl ether	3.285	3.8	ug/L	103872	1	5.613	1356100	50.0
Thiophene	5.359	6.3	ug/L	170568	1	5.613	1356100	50.0
1-Propene, 3,3'...	5.860	17.8	ug/L	481798	1	5.613	1356100	50.0
Thietane	6.375	12.8	ug/L	346351	1	5.613	1356100	50.0
2H-Pyran, tetra...	6.899	94.7	ug/L	2567800	1	5.613	1356100	50.0
2H-Thiopyran, t...	10.079	34.2	ug/L	1361350	3	11.246	1992480	50.0
2H-Thiopyran, t...	10.358	5.3	ug/L	211897	3	11.246	1992480	50.0
Thiophene, 2-et...	10.407	26.3	ug/L	1049420	3	11.246	1992480	50.0
2-Methyl-3-fura...	10.683	4.4	ug/L	174274	3	11.246	1992480	50.0
2-Hexene, 2-met...	11.024	2.9	ug/L	115429	3	11.246	1992480	50.0
1,2-Dithiolane	11.175	4.8	ug/L	191109	3	11.246	1992480	50.0
Benzene, 1-brom...	12.394	23.5	ug/L	935989	3	11.246	1992480	50.0
unknown-01	13.201	3.6	ug/L	142608	3	11.246	1992480	50.0
unknown-02	13.474	9.4	ug/L	376557	3	11.246	1992480	50.0
unknown-03	13.902	72.7	ug/L	2897710	3	11.246	1992480	50.0
unknown-04	14.966	9.8	ug/L	388432	3	11.246	1992480	50.0
unknown-05	15.799	2.9	ug/L	116770	3	11.246	1992480	50.0