LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027111.D
Acq On : 30 Jul 2022 02:43
Operator : SY/MD
Sample : N3956-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF07

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: VV027111.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	37	rBV	39602410	44884026	62.79%	20.715%
2	1.172	37	41	71	rVV2	557514	1058458	1.48%	0.488%
3	1.304	73	82	94	rVB2	478930	565167	0.79%	0.261%
4	1.564	155	163	175	rBV	256201	302347	0.42%	0.140%
5	1.703	201	206	214	rVB2	16432	18449	0.03%	0.009%
6	1.947	275	282	286	rBV	55435	70159	0.10%	0.032%
7	2.056	308	316	322	rBV2	62994	93446	0.13%	0.043%
8	2.101	322	330	345	rVB	568240	824432	1.15%	0.380%
9	2.198	347	360	375	rVB2	128862	247971	0.35%	0.114%
10	2.288	381	388	401	rVB	16684	25500	0.04%	0.012%
11	2.471	436	445	458	rVV	50555	89581	0.13%	0.041%
12	2.571	463	476	491	rVV	675115	1209392	1.69%	0.558%
13	2.654	491	502	519	rVB	368469	649706	0.91%	0.300%
14	2.757	524	534	546	rVV2	29845	56679	0.08%	0.026%
15	2.831	546	557	577	rVB	64396	122803	0.17%	0.057%
16	3.185	648	667	685	rVV	50978	120120	0.17%	0.055%
17	3.288	685	699	716	rBV2	40302	105792	0.15%	0.049%
18	3.506	756	767	780	rVB7	7260	17868	0.02%	0.008%
19	3.757	829	845	852	rBV3	28342	68382	0.10%	0.032%
20	3.805	853	860	869	rVV3	27470	58999	0.08%	0.027%
21	3.876	869	882	921	rVV2	268287	796281	1.11%	0.367%
22	4.342	1010	1027	1050	rBV	385847	961614	1.35%	0.444%
23	4.674	1112	1130	1146	rBV3	45838	117082	0.16%	0.054%
24	5.095	1222	1261	1320	rBV2	21413148	51320694	71.79%	23.685%
25	5.358	1335	1343	1362	rVB	71389	162096	0.23%	0.075%
26	5.612	1410	1422	1463	rVB	718636	1465532	2.05%	0.676%
27	5.860	1489	1499	1508	rBV	243742	508114	0.71%	0.235%
28	6.066	1550	1563	1577	rBV	514969	1047898	1.47%	0.484%
29	6.374	1645	1659	1695	rBV	154003	347673	0.49%	0.160%
30	6.574	1709	1721	1731	rVV	8095	20223	0.03%	0.009%
31	6.895	1806	1821	1840	rBV	1236093	2524145	3.53%	1.165%
32	6.982	1840	1848	1871	rVB	327170	648243	0.91%	0.299%
33	7.165	1898	1905	1917	rVB9	9116	18536	0.03%	0.009%
34	7.246	1920	1930	1939	rBV2	17337	37239	0.05%	0.017%
35	7.313	1939	1951	1963	rBV	1158675	2036497	2.85%	0.940%
36	7.387	1963	1974	2013	rVB2	1922185	5490954	7.68%	2.534%

LSC Area Percent Report

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Acq On : 30 Jul 2022 02:43
Operator : SY/MD
Sample : N3956-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF07

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	7.619	2034	2046	2065	rVB	204234	374678	0.52%	0.173%
38	7.744	2077	2085	2087	rBV3	23656	28644	0.04%	0.013%
39	7.783	2088	2097	2134	rVB	622982	1325528	1.85%	0.612%
40	7.934	2134	2144	2154	rBV	24751	43837	0.06%	0.020%
41	8.008	2155	2167	2183	rBV	1291776	2207398	3.09%	1.019%
42	8.088	2183	2192	2221	rVV	583074	1188025	1.66%	0.548%
43	8.217	2222	2232	2249	rVB2	100485	196837	0.28%	0.091%
44	8.445	2290	2303	2327	rVV	384015	759142	1.06%	0.350%
45	8.632	2351	2361	2367	rBV2	21095	38099	0.05%	0.018%
46	8.677	2368	2375	2385	rVV2	51911	92537	0.13%	0.043%
47	8.731	2386	2392	2401	rVB2	11140	19548	0.03%	0.009%
48	8.815	2408	2418	2420	rBV5	44330	56141	0.08%	0.026%
49	8.882	2420	2439	2465	rVV2	40279345	71486168	100.00%	32.992%
50	9.001	2466	2476	2492	rVB2	285726	700169	0.98%	0.323%
51	9.075	2493	2499	2505	rBV3	24795	33916	0.05%	0.016%
52	9.140	2510	2519	2539	rVB	283428	506114	0.71%	0.234%
53	9.304	2561	2570	2587	rVB7	22749	51571	0.07%	0.024%
54	9.387	2587	2596	2603	rBV7	25790	42108	0.06%	0.019%
55	9.445	2604	2614	2634	rVB7	36466	90160	0.13%	0.042%
56	9.541	2634	2644	2659	rBV	332367	535460	0.75%	0.247%
57	9.821	2720	2731	2751	rVB3	45392	105952	0.15%	0.049%
58	9.931	2753	2765	2776	rBV	29036	52546	0.07%	0.024%
59	9.998	2776	2786	2798	rVB6	21799	42459	0.06%	0.020%
60	10.078	2798	2811	2827	rBV	814524	1364729	1.91%	0.630%
61	10.213	2838	2853	2869	rBV	1215458	1933896	2.71%	0.893%
62	10.355	2881	2897	2904	rBV2	143122	249424	0.35%	0.115%
63	10.406	2904	2913	2939	rVB2	503929	1066996	1.49%	0.492%
64	10.538	2946	2954	2974	rVB	121998	209572	0.29%	0.097%
65	10.683	2989	2999	3008	rBV2	103555	175160	0.25%	0.081%
66	10.738	3008	3016	3026	rVV2	59466	83723	0.12%	0.039%
67	10.828	3036	3044	3060	rVB5	23843	50770	0.07%	0.023%
68	10.914	3060	3071	3079	rBV	98830	155718	0.22%	0.072%
69	10.959	3079	3085	3095	rVV3	26926	48200	0.07%	0.022%
70	11.024	3095	3105	3117	rVV2	70609	125947	0.18%	0.058%
71	11.088	3117	3125	3140	rVV2	24817	49206	0.07%	0.023%
72	11.175	3141	3152	3164	rVV4	103699	203119	0.28%	0.094%
73	11.246	3164	3174	3184	rVV	1316849	2155528	3.02%	0.995%
74	11.300	3184	3191	3213	rVV2	683372	1291951	1.81%	0.596%
75	11.393	3214	3220	3230	rVB3	42230	66319	0.09%	0.031%
76	11.529	3251	3262	3273	rBV3	52517	97594	0.14%	0.045%

LSC Area Percent Report

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Operator : SY/MD
Sample : N3956-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF07

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	11.625	3279	3292	3321	rVB4	1317570	3069417	4.29%	1.417%
78	11.750	3322	3331	3340	rBV4	44752	74774	0.10%	0.035%
79	11.914	3367	3382	3398	rBV8	17297	50939	0.07%	0.024%
80	12.111	3435	3443	3451	rBV8	18206	31735	0.04%	0.015%
81	12.246	3479	3485	3496	rVB7	11614	17331	0.02%	0.008%
82	12.313	3497	3506	3518	rBV9	13135	25381	0.04%	0.012%
83	12.393	3519	3531	3548	rBV	587816	951255	1.33%	0.439%
84	12.535	3566	3575	3583	rVV2	48326	77837	0.11%	0.036%
85	12.783	3645	3652	3657	rVV2	38196	57259	0.08%	0.026%
86	12.815	3657	3662	3677	rVB3	50256	85017	0.12%	0.039%
87	13.043	3727	3733	3745	rVB5	15710	28095	0.04%	0.013%
88	13.200	3759	3782	3786	rBV5	66086	159952	0.22%	0.074%
89	13.474	3857	3867	3884	rBV2	217679	381712	0.53%	0.176%
90	13.615	3904	3911	3923	rVB7	21449	40482	0.06%	0.019%
91	13.705	3930	3939	3950	rBV8	17340	36644	0.05%	0.017%
92	13.853	3977	3985	3989	rBV5	27873	39423	0.06%	0.018%
93	13.901	3989	4000	4029	rVV	1882882	2994126	4.19%	1.382%
94	14.024	4033	4038	4051	rVB	11558	21426	0.03%	0.010%
95	14.544	4190	4200	4208	rBV10	13188	26409	0.04%	0.012%
96	14.815	4274	4284	4295	rVV	39334	70314	0.10%	0.032%
97	14.966	4317	4331	4348	rBV	482758	726232	1.02%	0.335%
98	15.364	4446	4455	4468	rVB2	20619	32648	0.05%	0.015%
99	15.503	4488	4498	4509	rVV	77323	116047	0.16%	0.054%
100	15.798	4575	4590	4600	rBV3	101022	166710	0.23%	0.077%

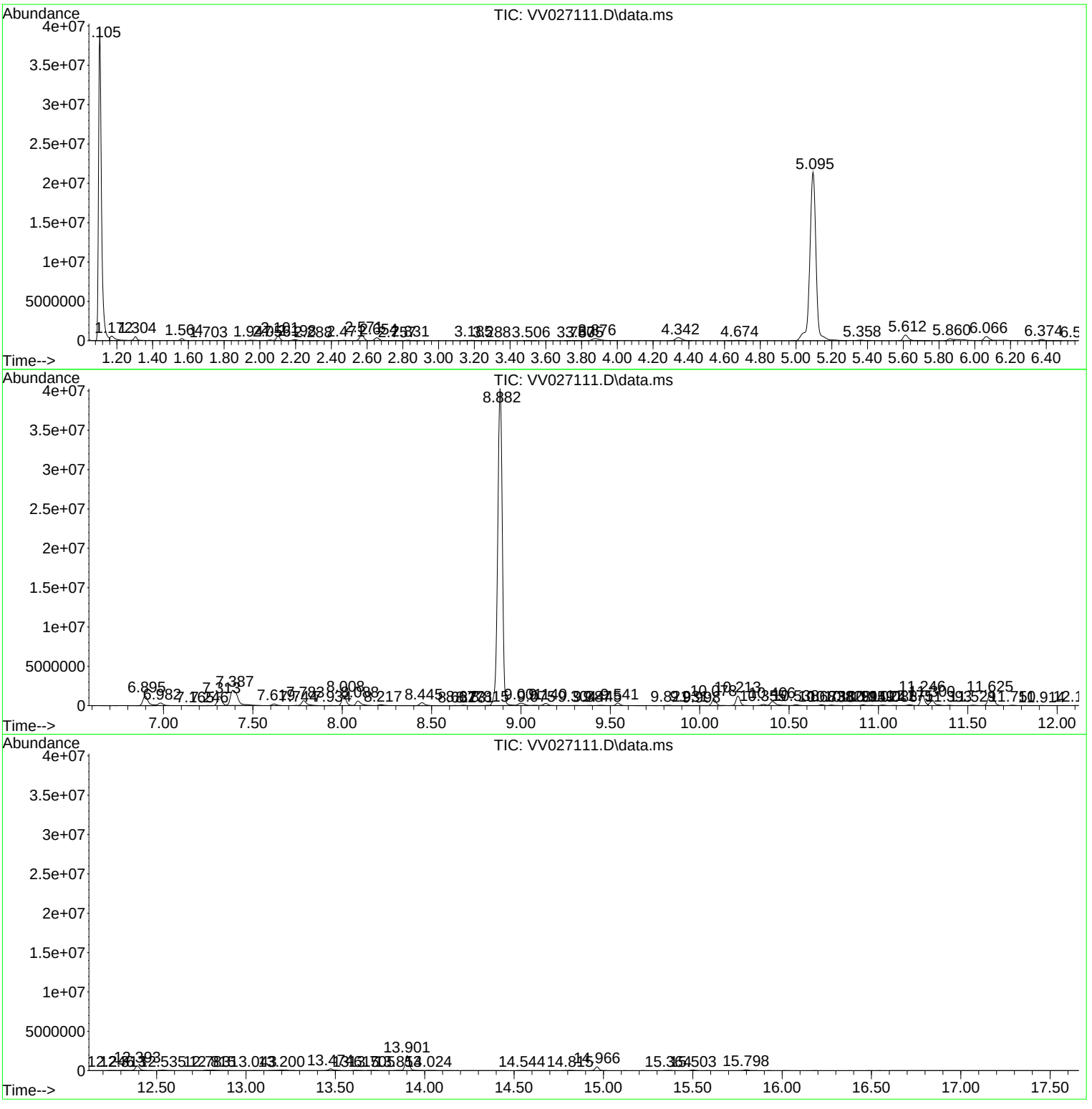
Sum of corrected areas: 216678152

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027111.D
Acq On : 30 Jul 2022 02:43
Operator : SY/MD
Sample : N3956-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF07

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 : VV027111.D
Acq On : 30 Jul 2022 02:43
Operator : SY/MD
Sample : N3956-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF07

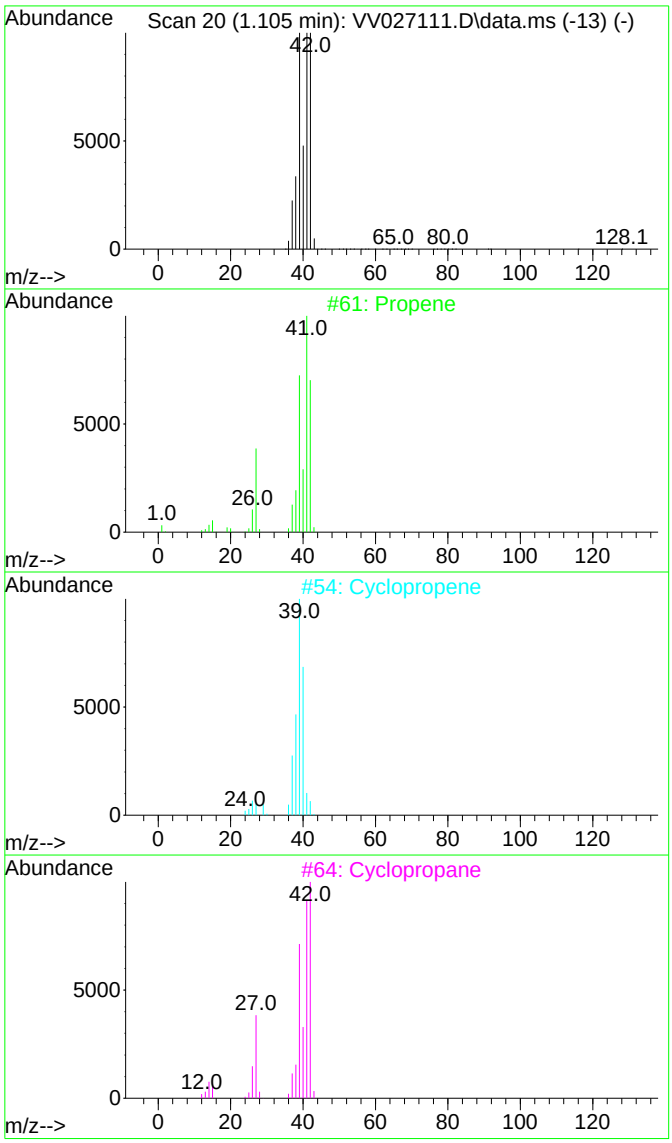
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

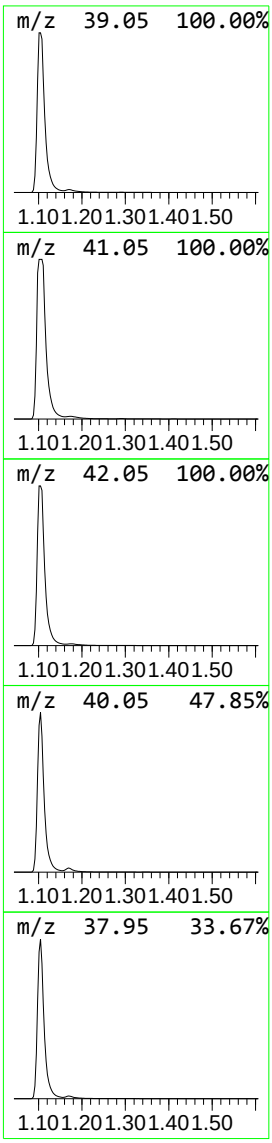
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.105	1531.32 ug/L	44884000	1,4-Difluorobenzene	5.612

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propene	42	C3H6	000115-07-1	83
2	Cyclopropene	40	C3H4	002781-85-3	72
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 : VV027111.D
Acq On : 30 Jul 2022 02:43
Operator : SY/MD
Sample : N3956-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF07

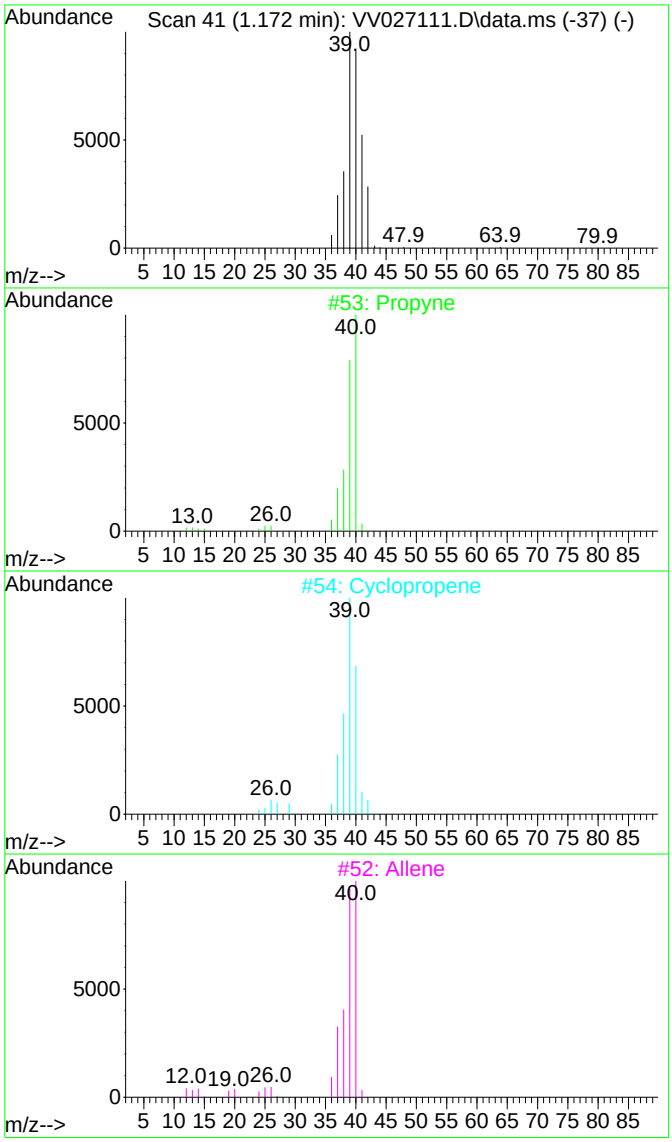
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

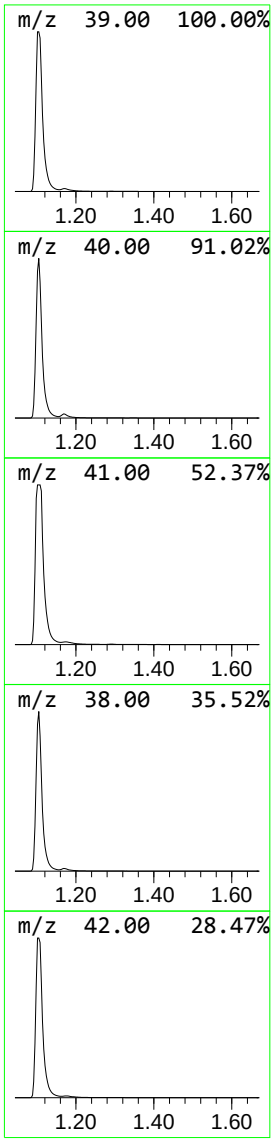
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Propyne Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.172	36.11 ug/L	1058460	1,4-Difluorobenzene	5.612

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propyne	40	C3H4	000074-99-7	86
2	Cyclopropene	40	C3H4	002781-85-3	40
3	Allene	40	C3H4	000463-49-0	27
4	Propene	42	C3H6	000115-07-1	4
5	Chloro(prop-2-yn-1-yloxy)methanone	118	C4H3ClO2	035718-08-2	2





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027111.D
Acq On : 30 Jul 2022 02:43
Operator : SY/MD
Sample : N3956-10
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ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF07

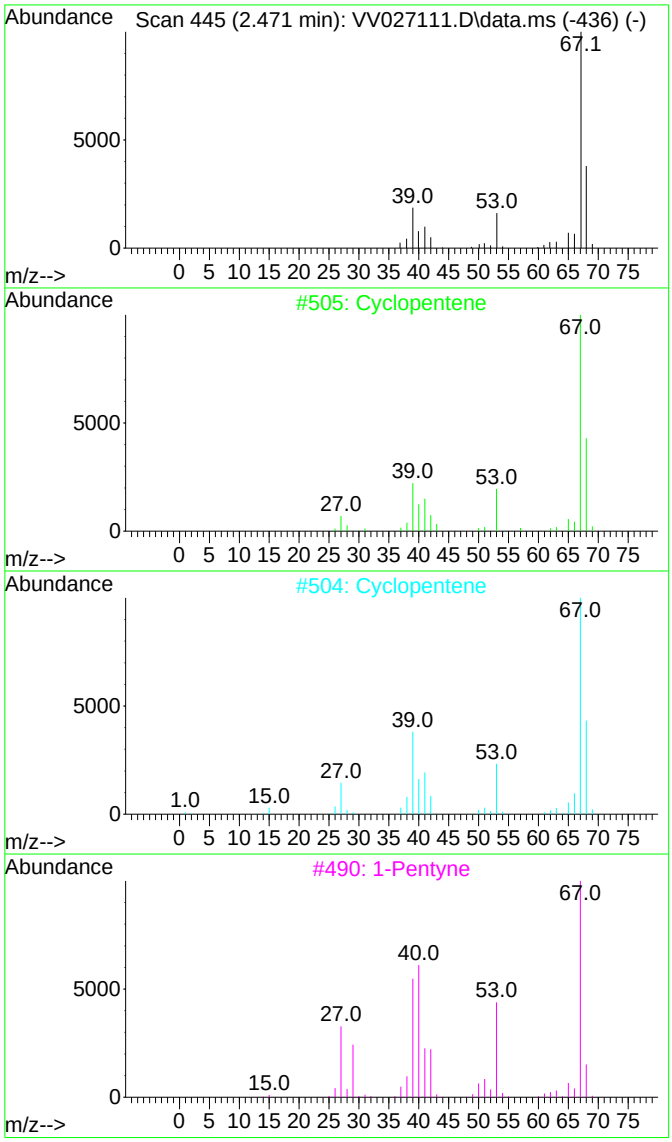
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

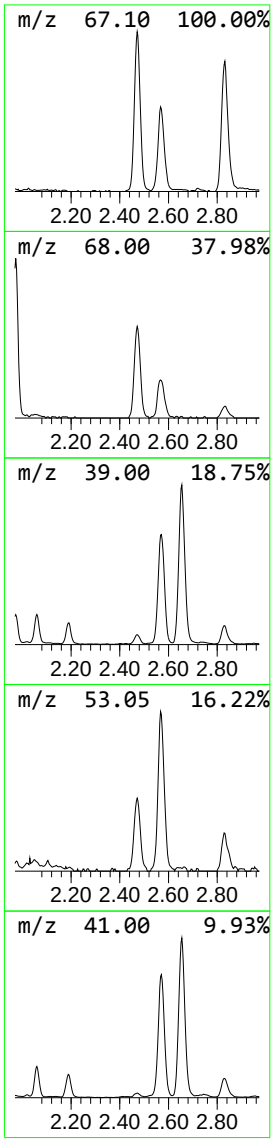
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Cyclopentene Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.471	3.06 ug/L	89581	1,4-Difluorobenzene	5.612

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentene	68	C5H8	000142-29-0	87
2	Cyclopentene	68	C5H8	000142-29-0	83
3	1-Pentyne	68	C5H8	000627-19-0	78
4	Cyclopentene	68	C5H8	000142-29-0	72
5	Cyclopentene	68	C5H8	000142-29-0	70





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027111.D
Acq On : 30 Jul 2022 02:43
Operator : SY/MD
Sample : N3956-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF07

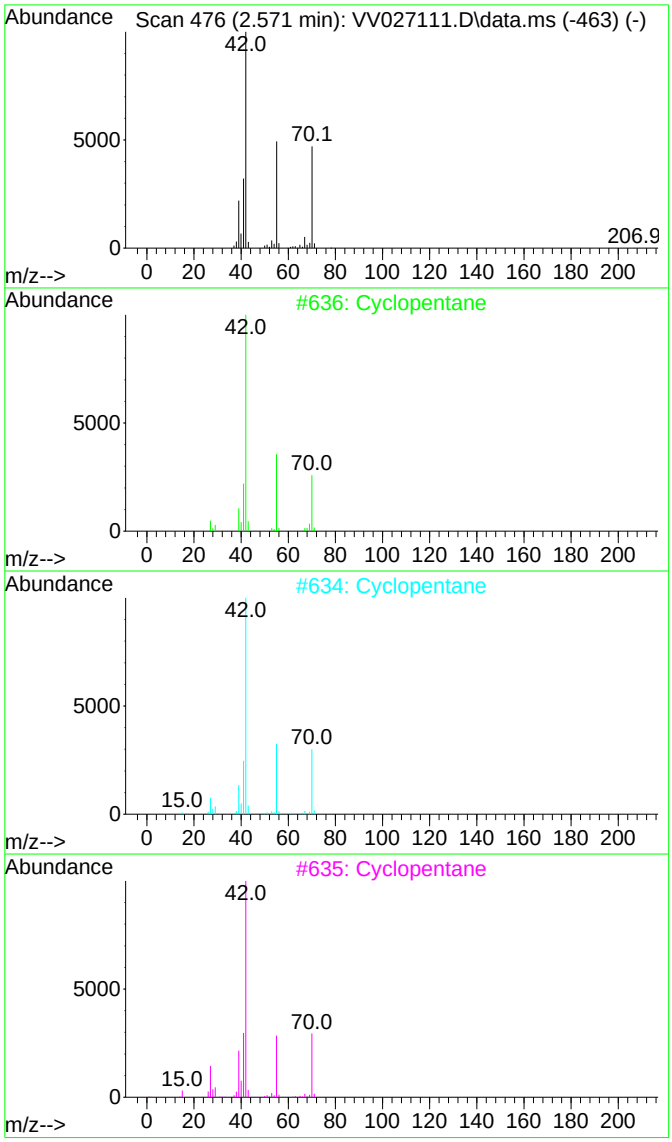
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

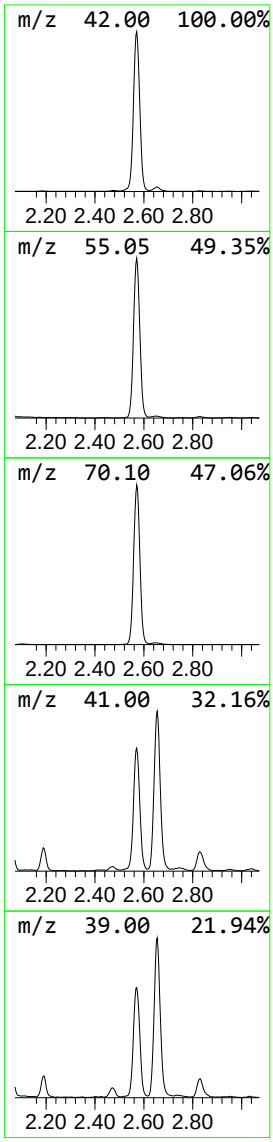
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.571	41.26 ug/L	1209390	1,4-Difluorobenzene	5.612

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027111.D
Acq On : 30 Jul 2022 02:43
Operator : SY/MD
Sample : N3956-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF07

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

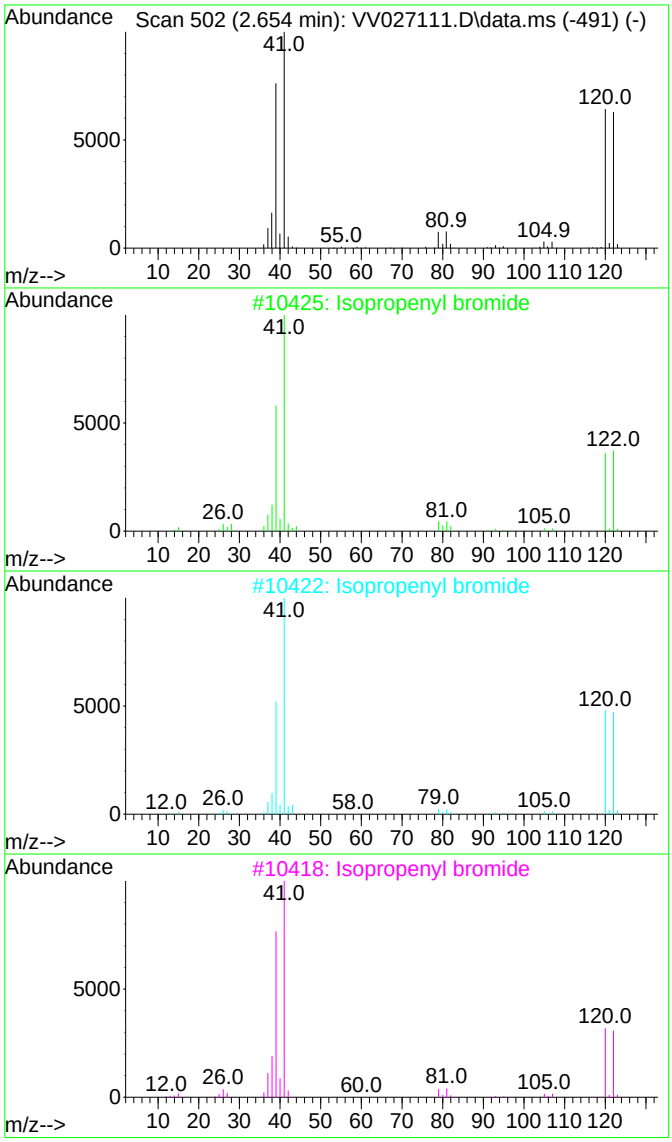
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

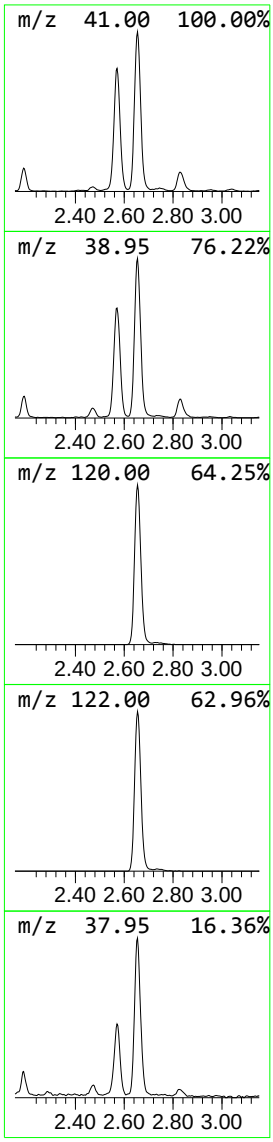
****

Peak Number 5 Isopropenyl bromide Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.654	22.17 ug/L	649706	1,4-Difluorobenzene	5.612

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027111.D
Acq On : 30 Jul 2022 02:43
Operator : SY/MD
Sample : N3956-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF07

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

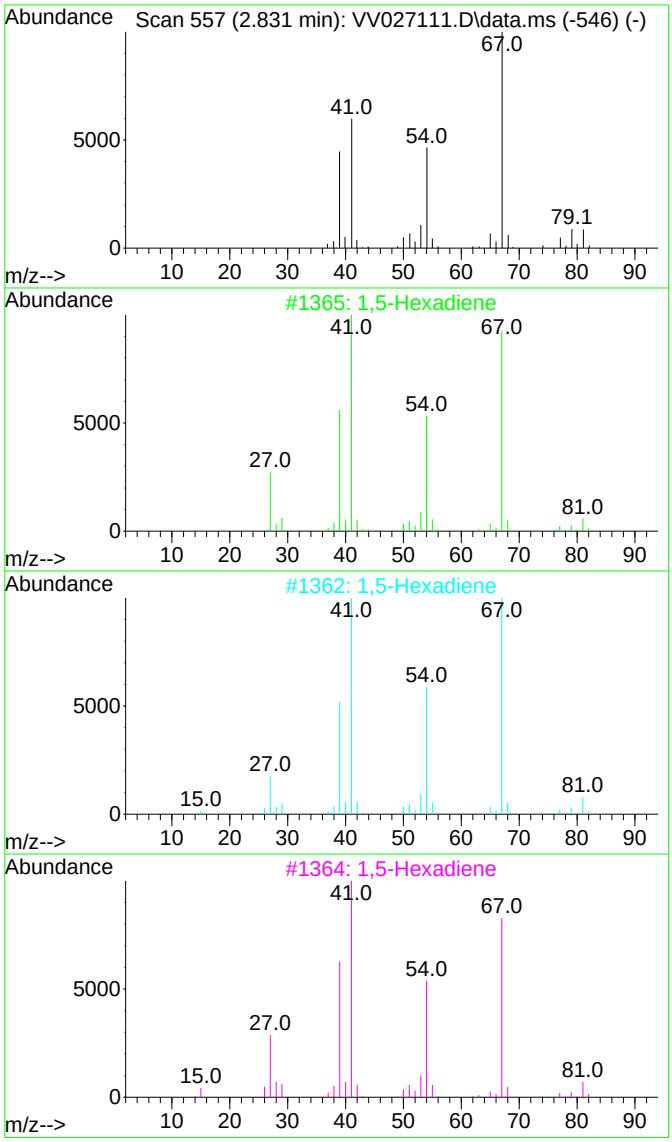
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

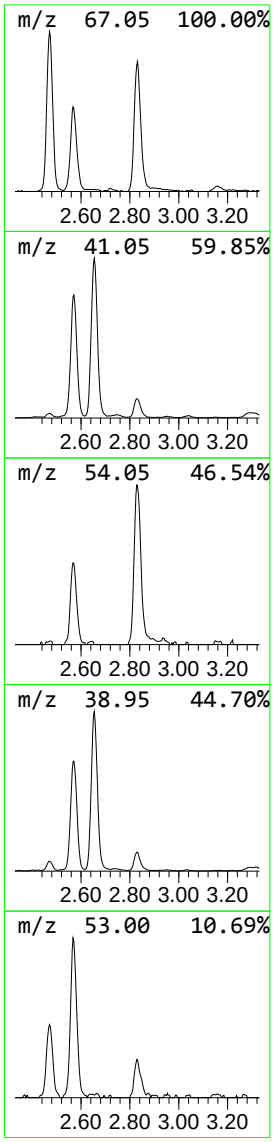
****

Peak Number 6 1,5-Hexadiene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.831	4.19 ug/L	122803	1,4-Difluorobenzene	5.612

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,5-Hexadiene	82	C6H10	000592-42-7	64
2	1,5-Hexadiene	82	C6H10	000592-42-7	58
3	1,5-Hexadiene	82	C6H10	000592-42-7	58
4	Isopropenylcyclopropane	82	C6H10	004663-22-3	53
5	Pyrrole	67	C4H5N	000109-97-7	50





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Acq On : 30 Jul 2022 02:43
Operator : SY/MD
Sample : N3956-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF07

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

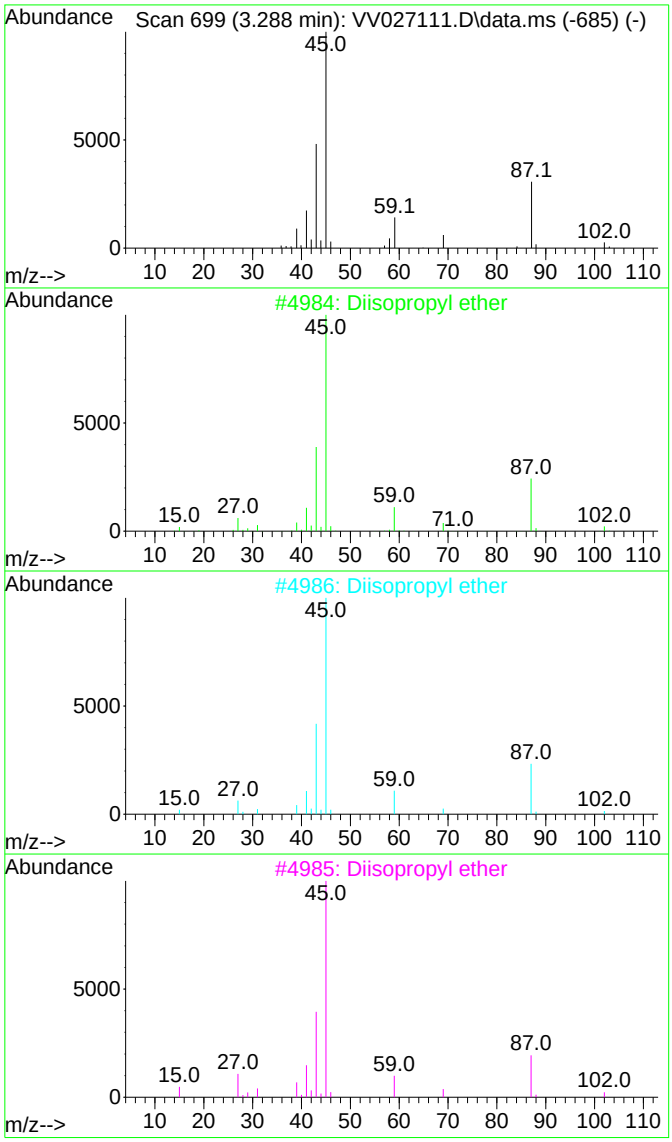
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

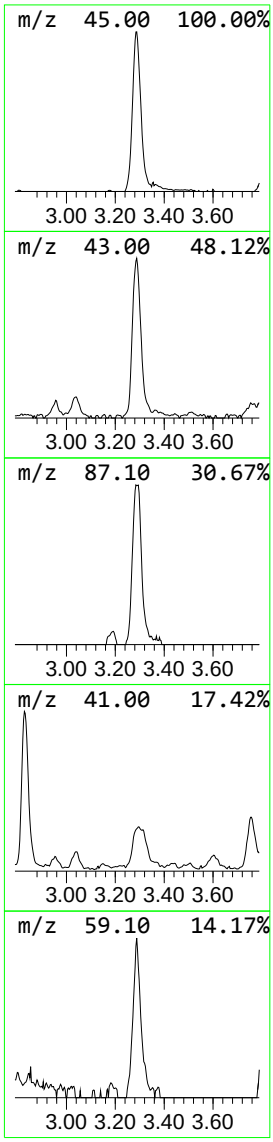
****

Peak Number 7 Diisopropyl ether Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.288	3.61 ug/L	105792	1,4-Difluorobenzene	5.612

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	Diisopropyl ether	102	C6H14O	000108-20-3	91
4	1-Propanol, 2-(1-methylethoxy)-	118	C6H14O2	003944-37-4	83
5	Diisopropyl ether	102	C6H14O	000108-20-3	78





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Data File : VV027111.D
Acq On : 30 Jul 2022 02:43
Operator : SY/MD
Sample : N3956-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF07

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

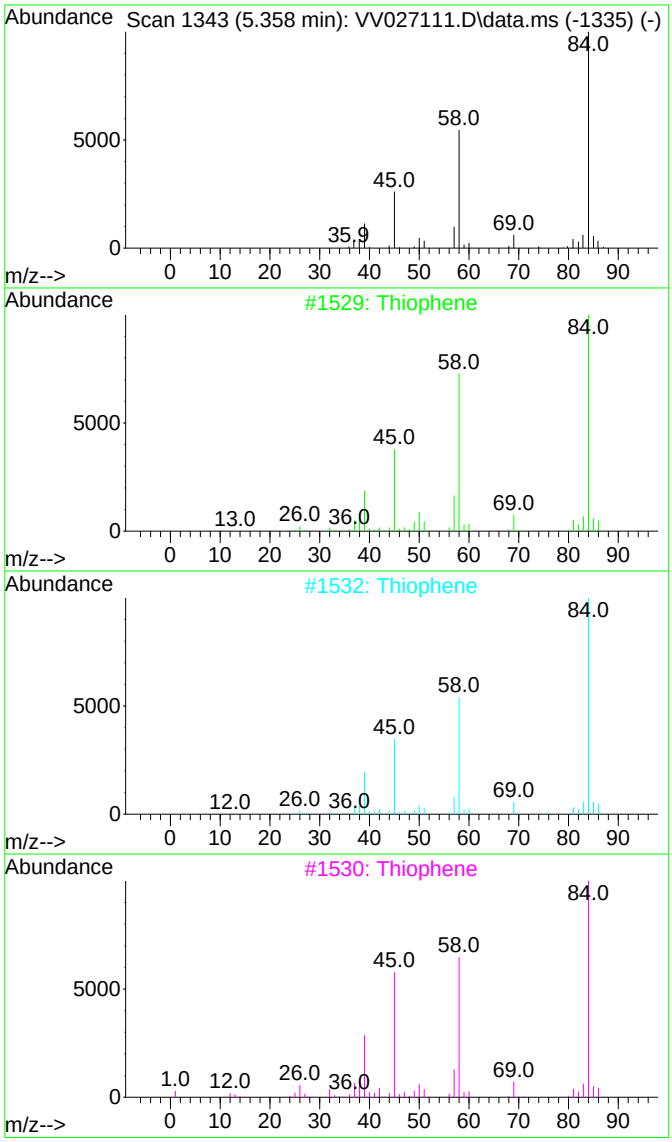
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

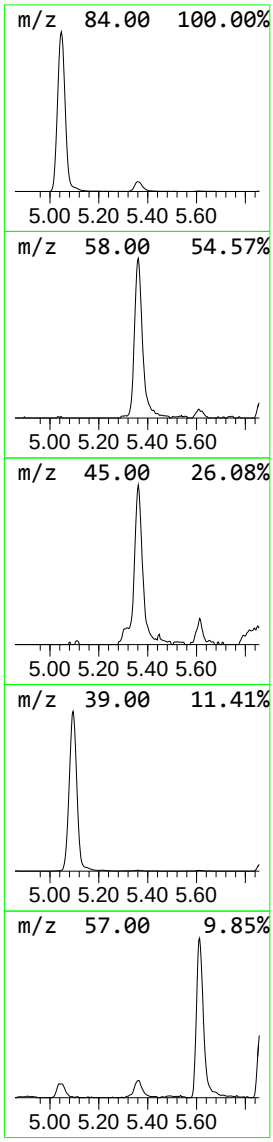
****

Peak Number 8 Thiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.358	5.53 ug/L	162096	1,4-Difluorobenzene	5.612

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene	84	C4H4S	000110-02-1	91
2	Thiophene	84	C4H4S	000110-02-1	91
3	Thiophene	84	C4H4S	000110-02-1	72
4	Thiophene	84	C4H4S	000110-02-1	56
5	4H-1,2,4-Triazol-4-amine	84	C2H4N4	000584-13-4	37





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Data File : VV027111.D
Acq On : 30 Jul 2022 02:43
Operator : SY/MD
Sample : N3956-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF07

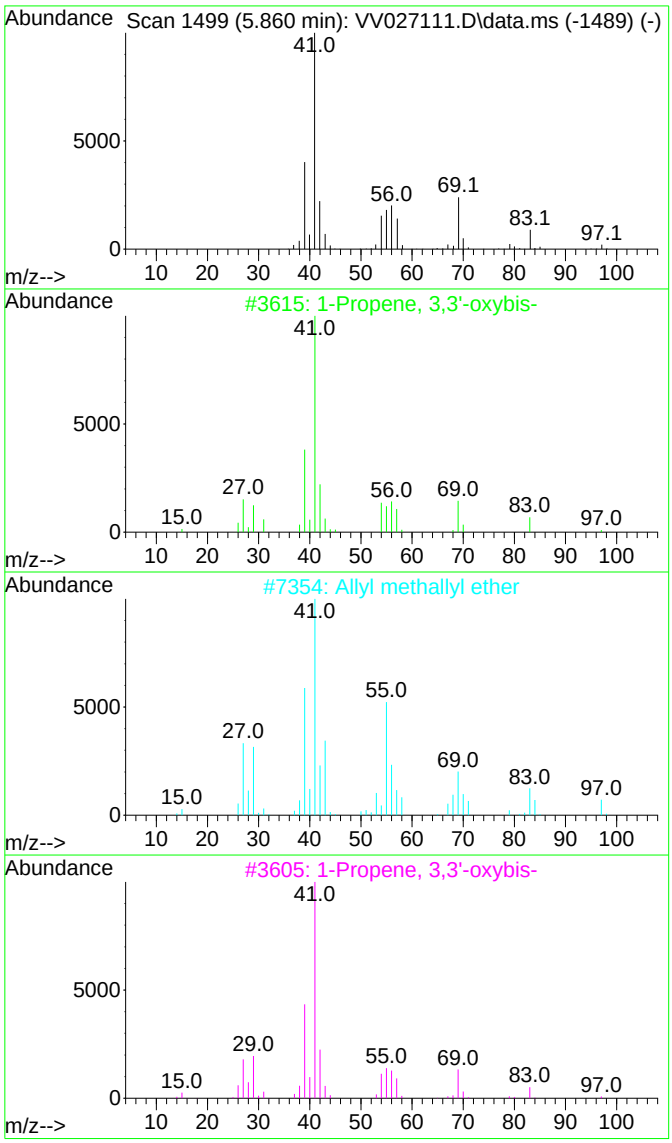
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

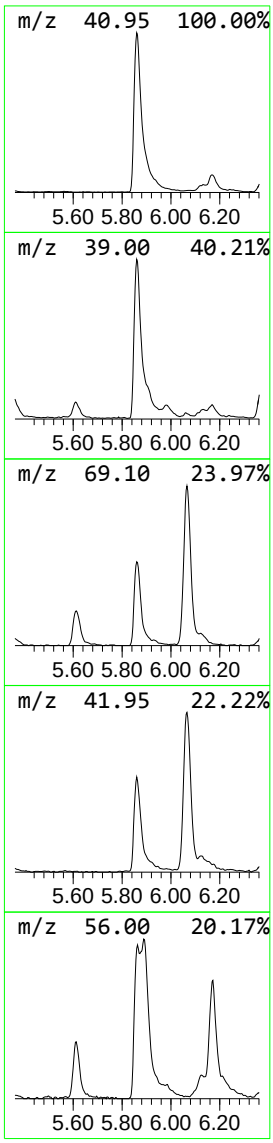
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 1-Propene, 3,3'-oxybis- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.860	17.34 ug/L	508114	1,4-Difluorobenzene	5.612

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propene, 3,3'-oxybis-	98	C6H10O	000557-40-4	83
2	Allyl methallyl ether	112	C7H12O	014289-96-4	56
3	1-Propene, 3,3'-oxybis-	98	C6H10O	000557-40-4	52
4	1-Propene, 3,3'-oxybis-	98	C6H10O	000557-40-4	50
5	(Z)-2-Heptene	98	C7H14	006443-92-1	38





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Data File : VV027111.D
Acq On : 30 Jul 2022 02:43
Operator : SY/MD
Sample : N3956-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF07

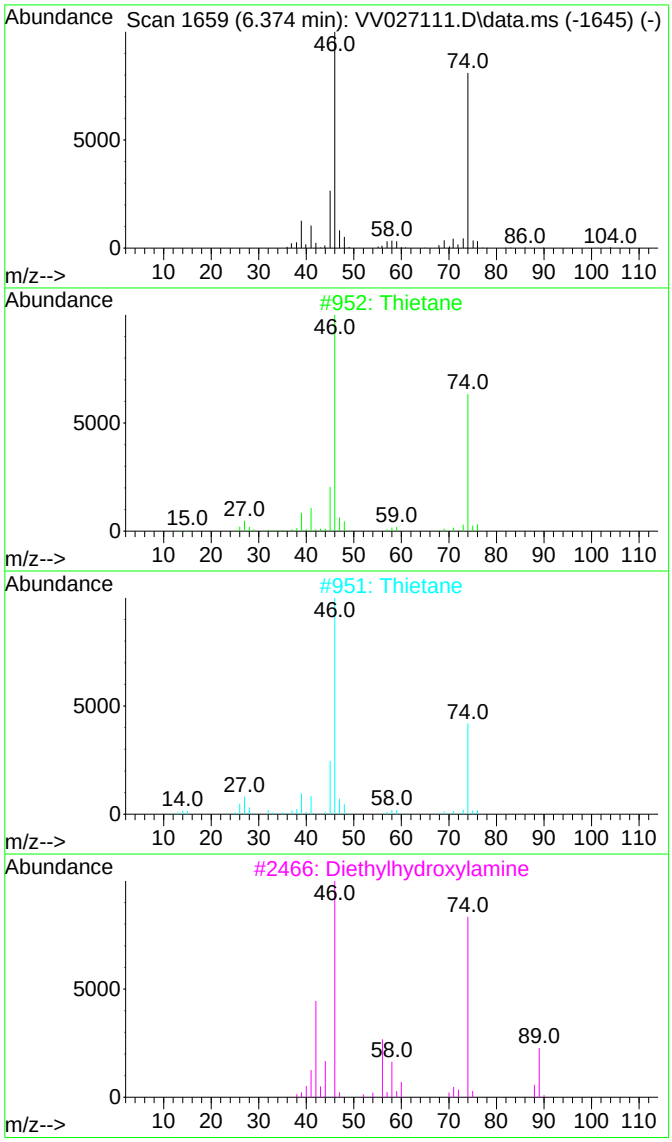
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

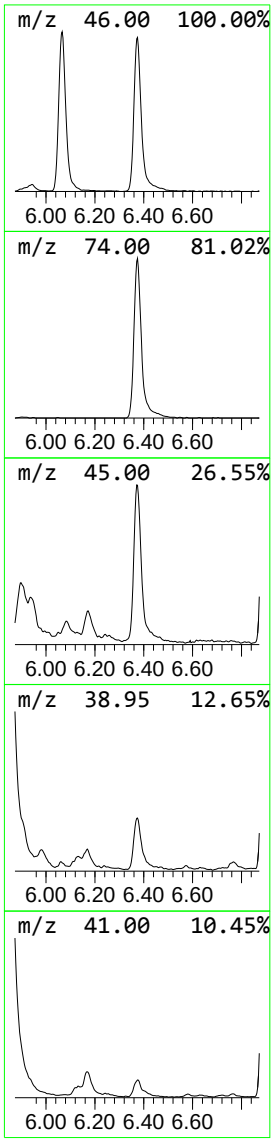
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Thietane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.374	11.86 ug/L	347673	1,4-Difluorobenzene	5.612

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	39
4	Allyl mercaptan	74	C3H6S	000870-23-5	37
5	Thiirane, methyl-	74	C3H6S	001072-43-1	25





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Acq On : 30 Jul 2022 02:43
Operator : SY/MD
Sample : N3956-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF07

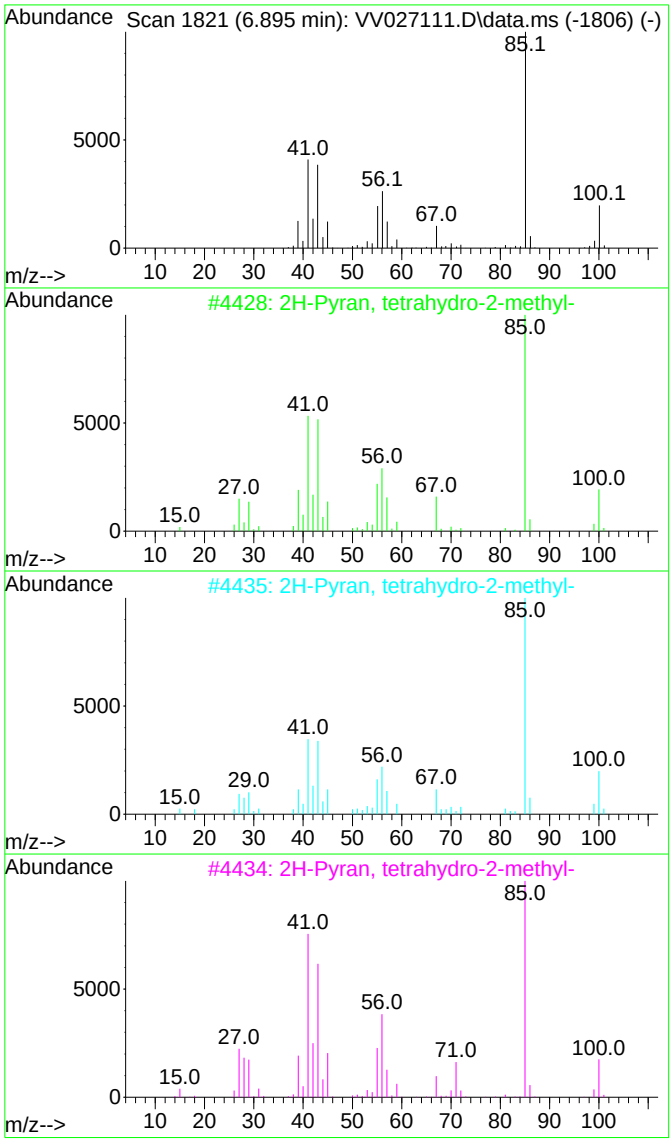
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

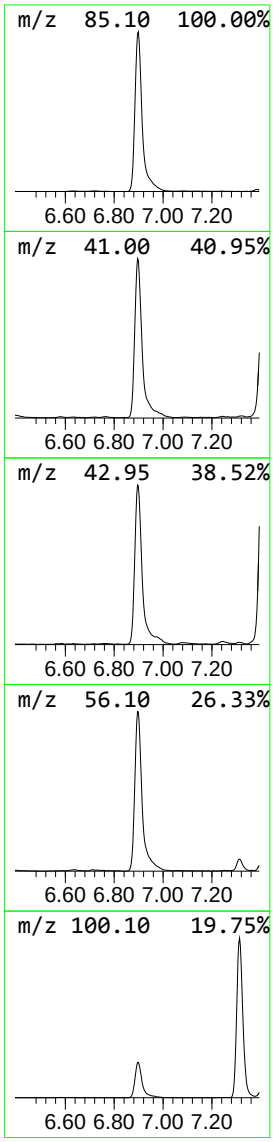
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 2H-Pyran, tetrahydro-2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.895	86.12 ug/L	2524150	1,4-Difluorobenzene	5.612

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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Acq On : 30 Jul 2022 02:43
Operator : SY/MD
Sample : N3956-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF07

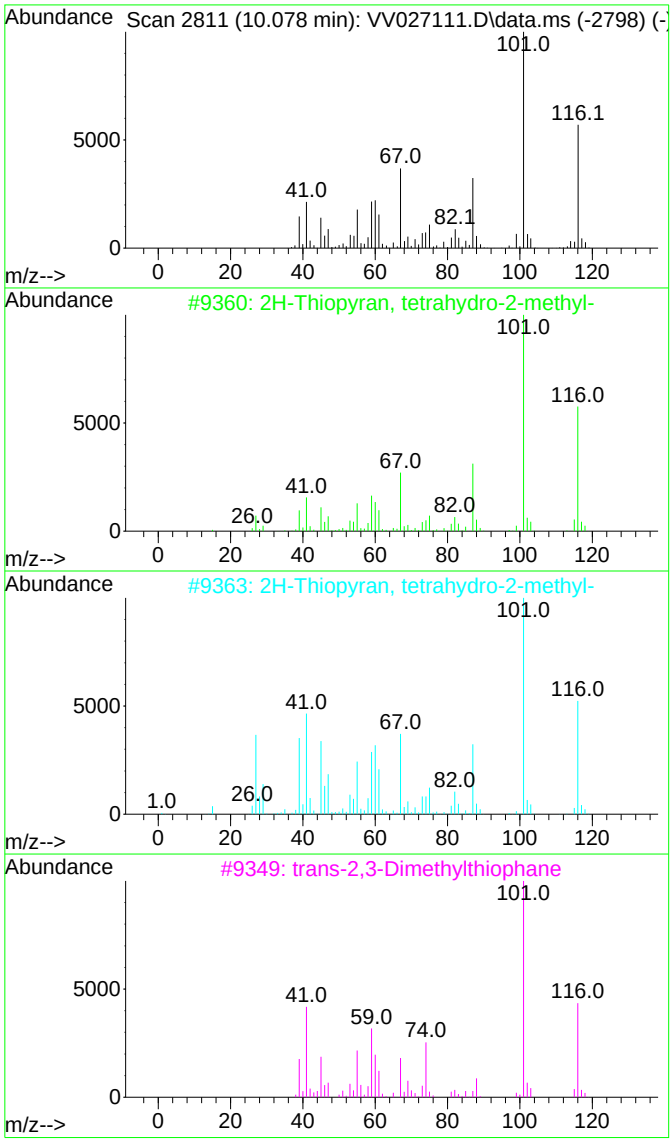
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

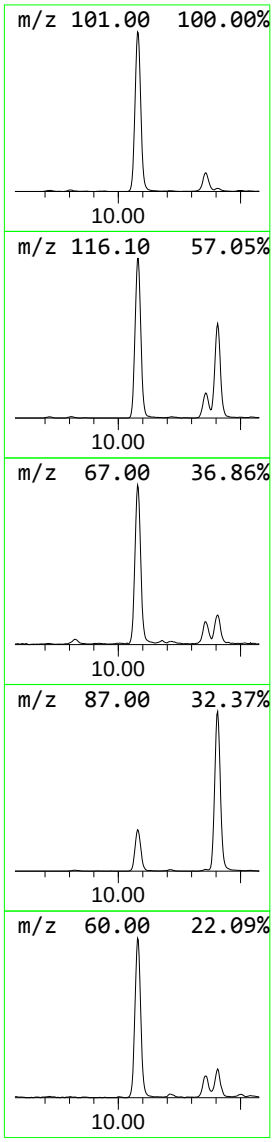
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 2H-Thiopyran, tetrahydro-2-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.078	31.66 ug/L	1364730	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	95
3	trans-2,3-Dimethylthiophane	116	C6H12S	005161-78-4	81
4	cis-2,3-Dimethylthiophane	116	C6H12S	005161-77-3	80
5	2H-Thiopyran, tetrahydro-4-methyl-	116	C6H12S	005161-17-1	60





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Acq On : 30 Jul 2022 02:43
Operator : SY/MD
Sample : N3956-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF07

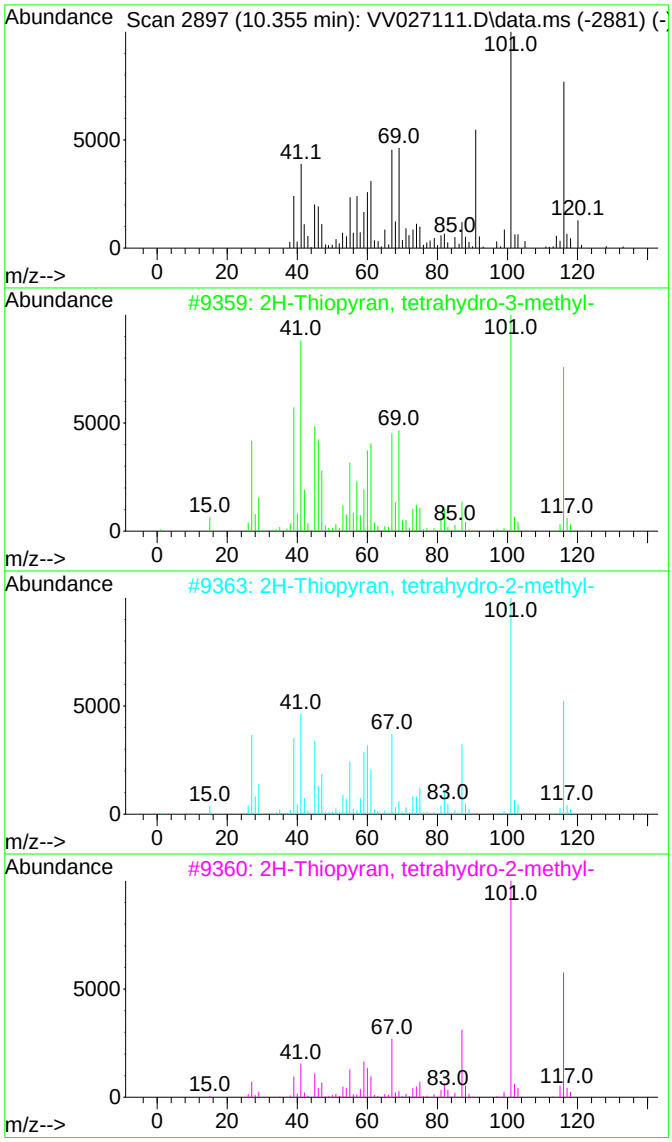
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

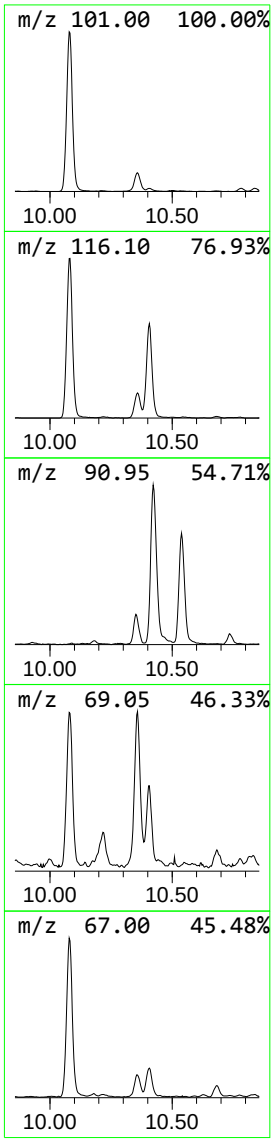
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 2H-Thiopyran, tetrahydro-3-... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.355	5.79 ug/L	249424	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	91
2	2H-Thiopyran, tetrahydro-2-methyl-	116	C6H12S	005161-16-0	59
3	2H-Thiopyran, tetrahydro-2-methyl-	116	C6H12S	005161-16-0	58
4	cis-2,3-Dimethylthiophane	116	C6H12S	005161-77-3	53
5	2H-Thiopyran, tetrahydro-4-methyl-	116	C6H12S	005161-17-1	52





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Acq On : 30 Jul 2022 02:43
Operator : SY/MD
Sample : N3956-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF07

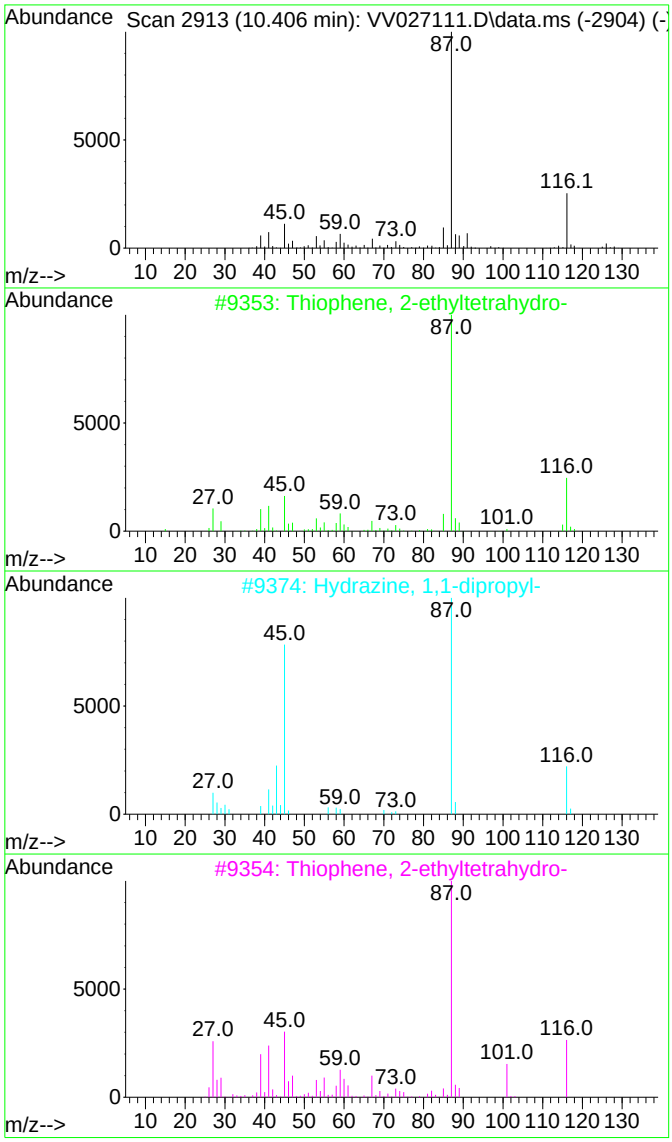
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

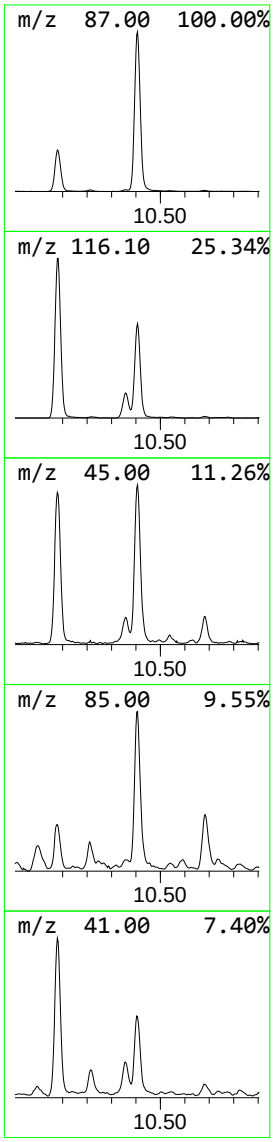
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Thiophene, 2-ethyltetrahydro- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.406	24.75 ug/L	1067000	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	64
3	Thiophene, 2-ethyltetrahydro-	116	C6H12S	001551-32-2	50
4	Hydrazine, 1-ethyl-1-(1-methylpr...	116	C6H16N2	020325-97-7	45
5	Hydrazine, 1-ethyl-1-(1-methylpr...	116	C6H16N2	020325-97-7	38





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Acq On : 30 Jul 2022 02:43
Operator : SY/MD
Sample : N3956-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF07

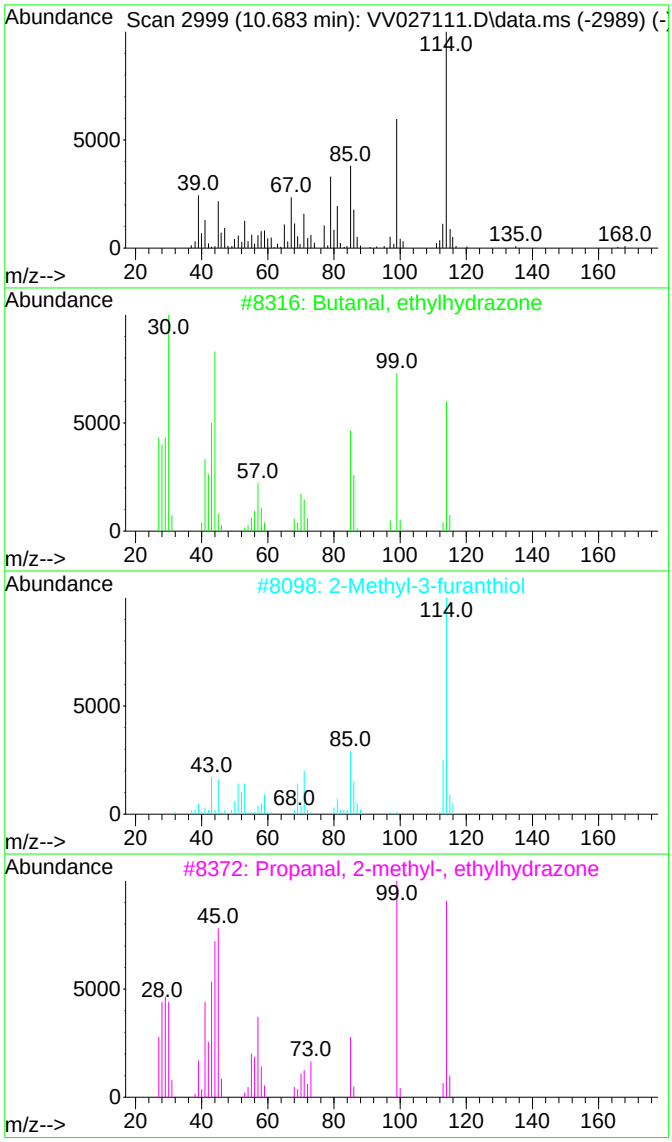
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

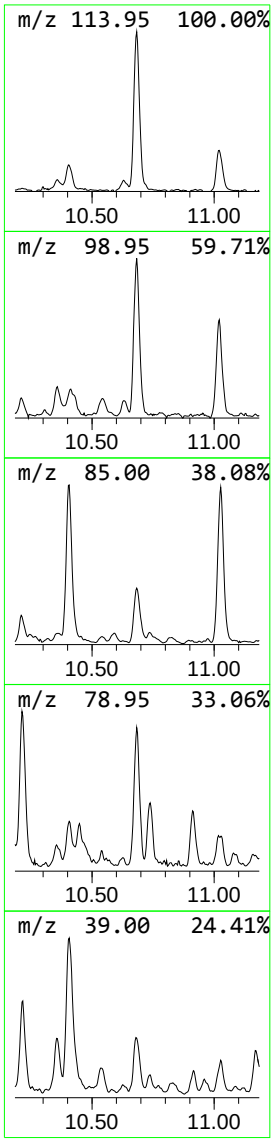
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Butanal, ethylhydrazone Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.683	4.06 ug/L	175160	1,4-Dichlorobenzene-d4	11.246

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanal, ethylhydrazone	114	C6H14N2	051576-30-8	50
2	2-Methyl-3-furanthiol	114	C5H6OS	028588-74-1	49
3	Propanal, 2-methyl-, ethylhydrazone	114	C6H14N2	020607-77-6	43
4	2-Methyl-3-furanthiol	114	C5H6OS	028588-74-1	41
5	3-Thiophenemethanol	114	C5H6OS	071637-34-8	38





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Acq On : 30 Jul 2022 02:43
Operator : SY/MD
Sample : N3956-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF07

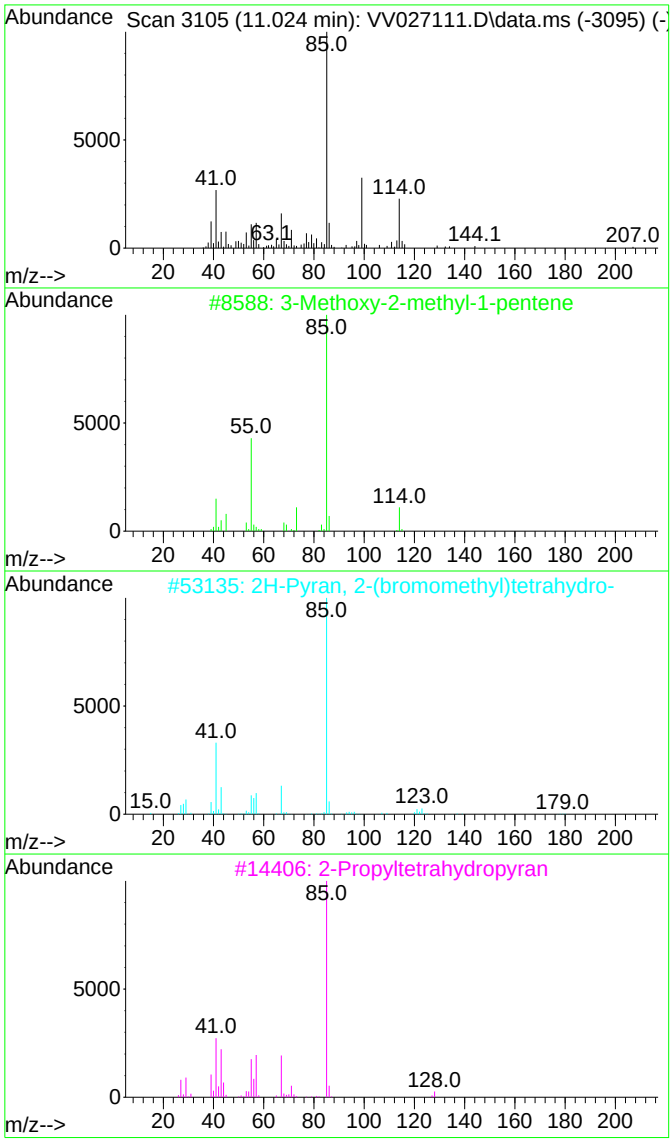
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

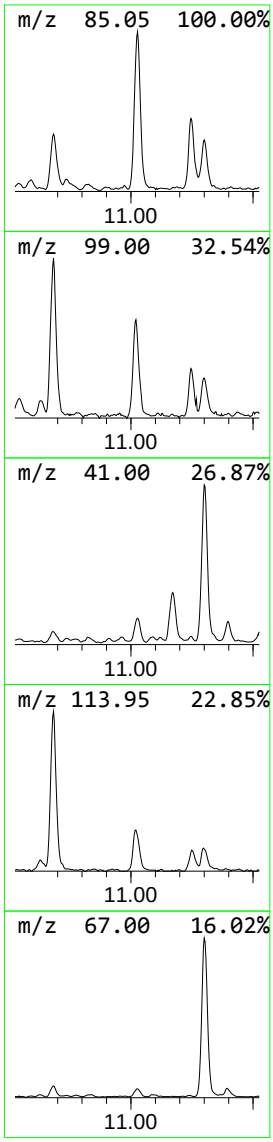
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 3-Methoxy-2-methyl-1-pentene Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.024	2.92 ug/L	125947	1,4-Dichlorobenzene-d4	11.246

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methoxy-2-methyl-1-pentene	114	C7H14O	108811-45-6	58
2	2H-Pyran, 2-(bromomethyl)tetrahy...	178	C6H11BrO	034723-82-5	50
3	2-Propyltetrahydropyran	128	C8H16O	003857-17-8	50
4	Pentanedioic acid, 2-hydroxy, 1,...	204	C9H16O5	069134-53-8	47
5	2-(Chloromethyl)tetrahydropyran	134	C6H11ClO	018420-41-2	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027111.D
Acq On : 30 Jul 2022 02:43
Operator : SY/MD
Sample : N3956-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF07

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

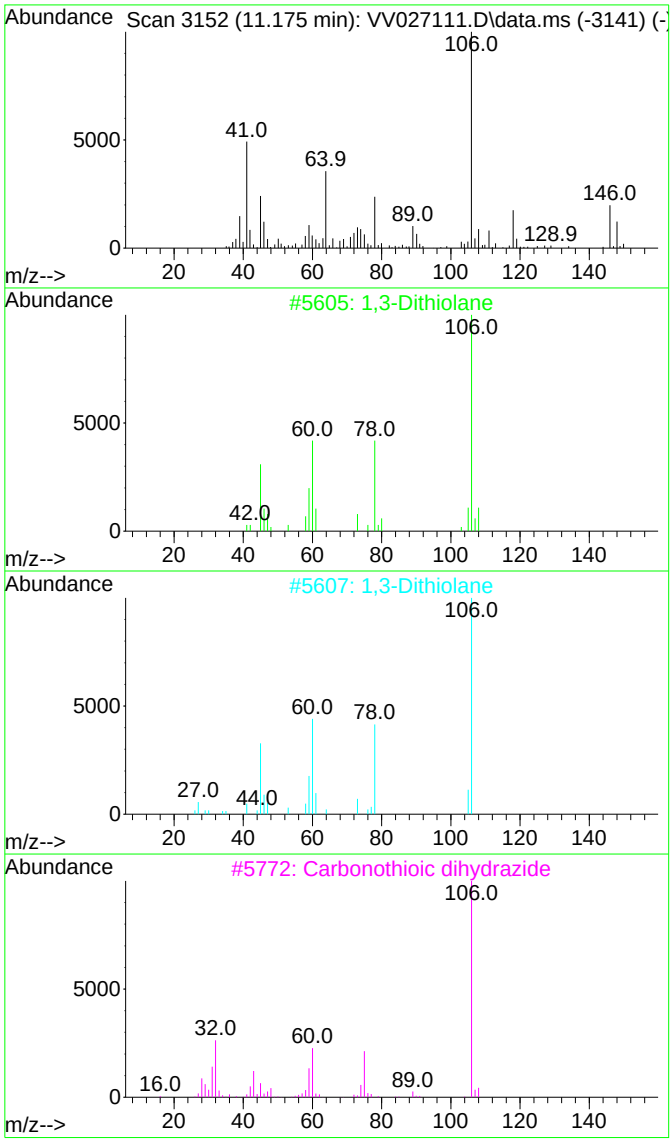
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

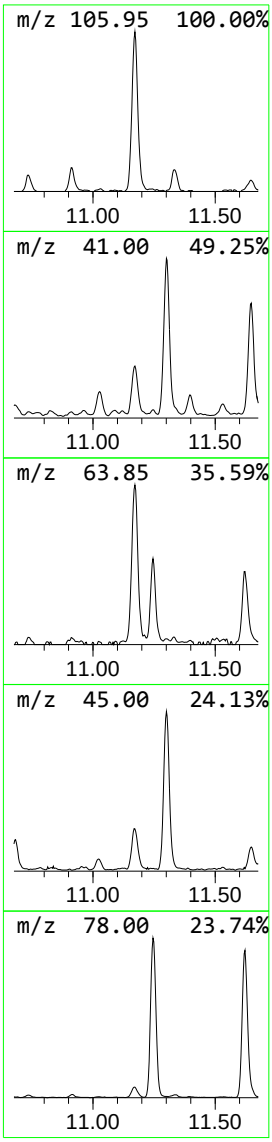
****

Peak Number 18 unknown-01 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.175	4.71 ug/L	203119	1,4-Dichlorobenzene-d4	11.246

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Dithiolane	106	C3H6S2	004829-04-3	38
2	1,3-Dithiolane	106	C3H6S2	004829-04-3	37
3	Carbonothioic dihydrazide	106	CH6N4S	002231-57-4	25
4	Nicotinic acid, 4-nitrophenyl ester	244	C12H8N2O4	1000307-95-2	23
5	Carbonothioic dihydrazide	106	CH6N4S	002231-57-4	17





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Data File : VV027111.D
Acq On : 30 Jul 2022 02:43
Operator : SY/MD
Sample : N3956-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF07

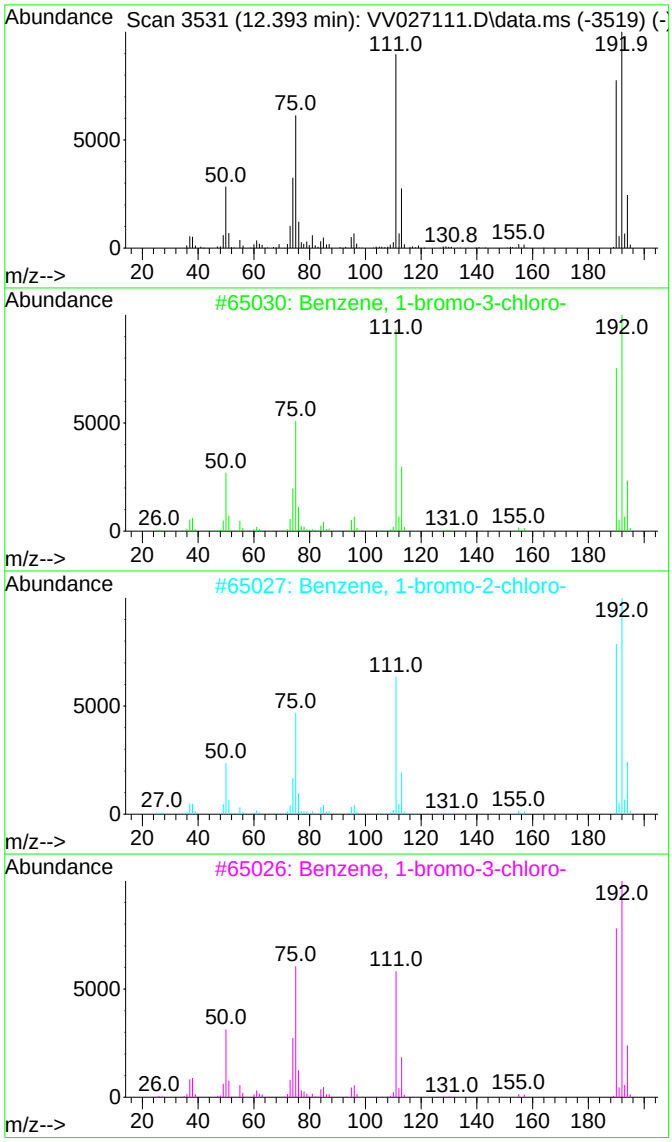
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

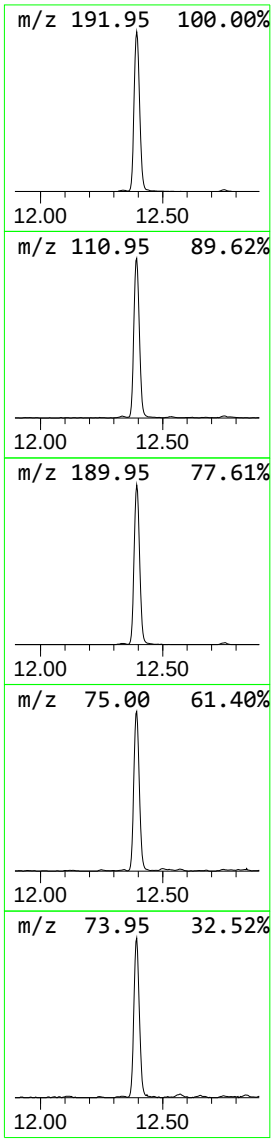
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Benzene, 1-bromo-3-chloro- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.394	22.07 ug/L	951255	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-2-chloro-	190	C6H4BrCl	000694-80-4	98
3	Benzene, 1-bromo-3-chloro-	190	C6H4BrCl	000108-37-2	98
4	Benzene, 1-bromo-2-chloro-	190	C6H4BrCl	000694-80-4	98
5	Benzene, 1-bromo-4-chloro-	190	C6H4BrCl	000106-39-8	98





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Acq On : 30 Jul 2022 02:43
Operator : SY/MD
Sample : N3956-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF07

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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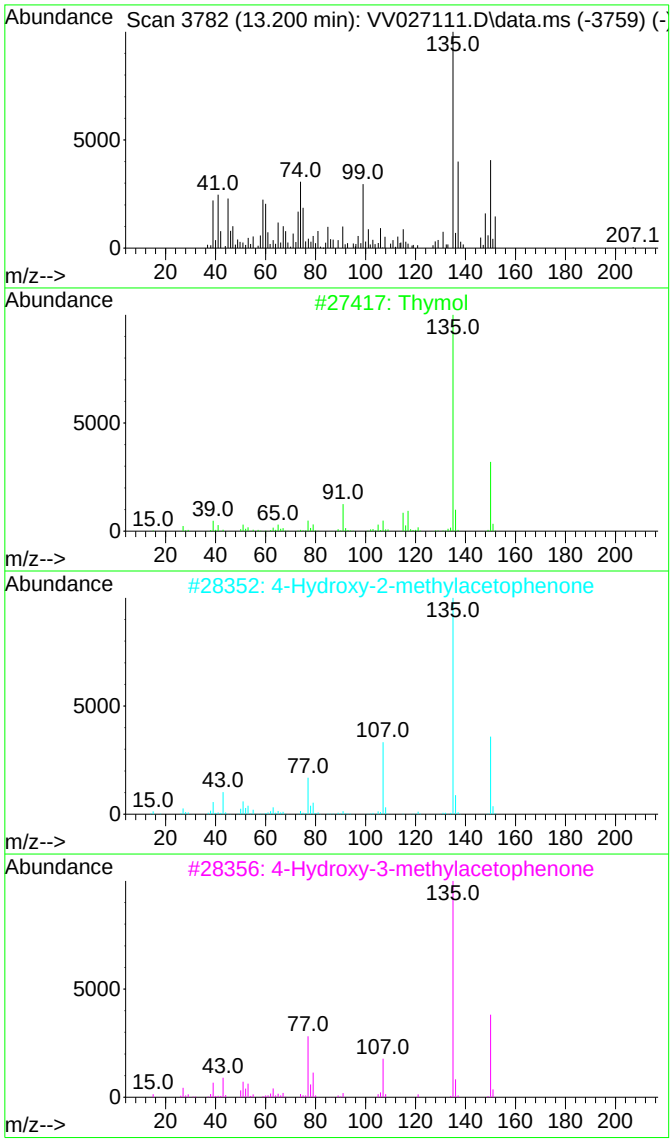
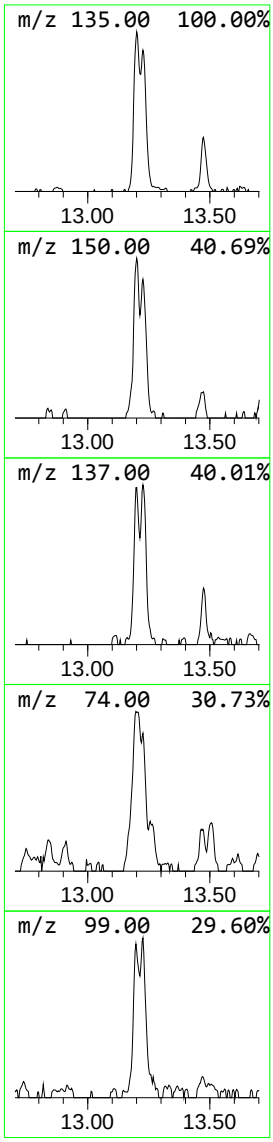
Peak Number 20 unknown-02 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.201	3.71 ug/L	159952	1,4-Dichlorobenzene-d4	11.246

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thymol	150	C10H14O	000089-83-8	41
2	4-Hydroxy-2-methylacetophenone	150	C9H10O2	000875-59-2	41
3	4-Hydroxy-3-methylacetophenone	150	C9H10O2	000876-02-8	38
4	1-(2,4-Dimethylpyrimidin-5-yl)et...	150	C8H10N2O	055933-85-2	38
5	5-Cyano-1,2,3,4-tetrahydro-4,6-d...	150	C8H10N2O	027036-93-7	38





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Data File : VV027111.D
Acq On : 30 Jul 2022 02:43
Operator : SY/MD
Sample : N3956-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF07

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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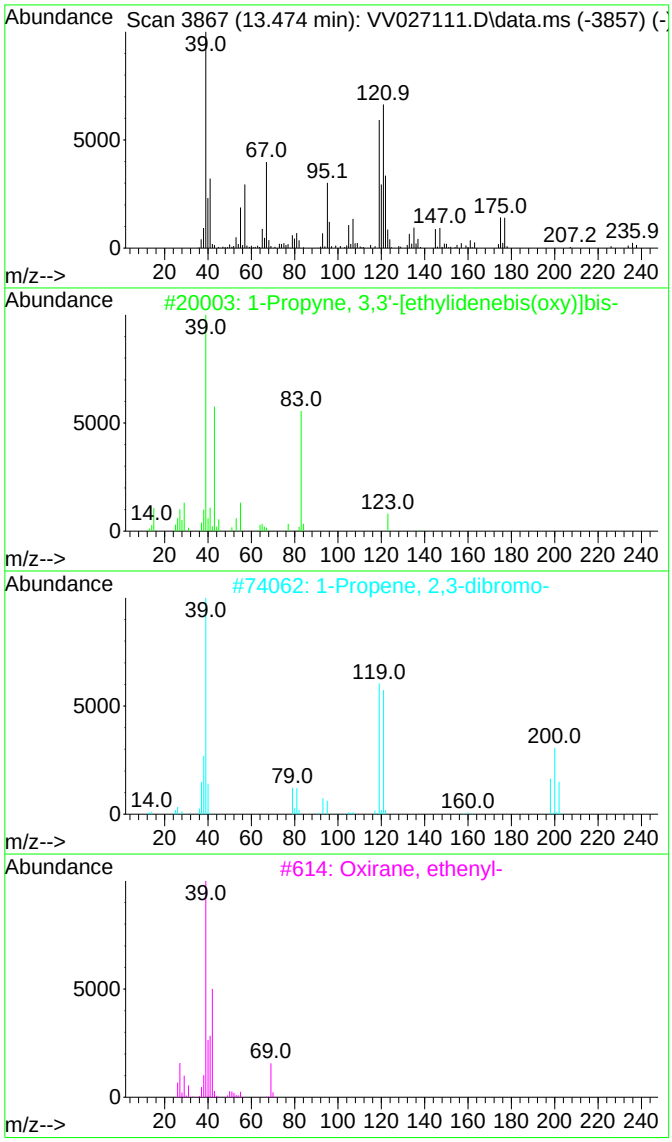
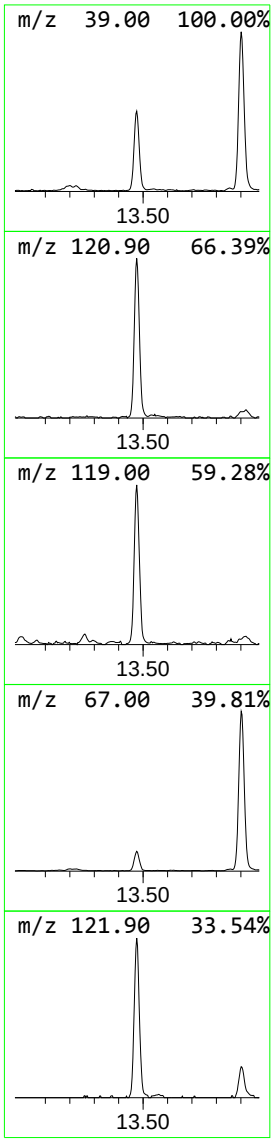
Peak Number 21 unknown-03 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.474	8.85 ug/L	381712	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	49
2	1-Propene, 2,3-dibromo-	198	C3H4Br2	000513-31-5	42
3	Oxirane, ethenyl-	70	C4H6O	000930-22-3	38
4	Oxirane, ethenyl-	70	C4H6O	000930-22-3	38
5	1,4-Bis(2-propyn-1-yloxy)benzene	186	C12H10O2	034596-36-6	33





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Data File : VV027111.D
Acq On : 30 Jul 2022 02:43
Operator : SY/MD
Sample : N3956-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF07

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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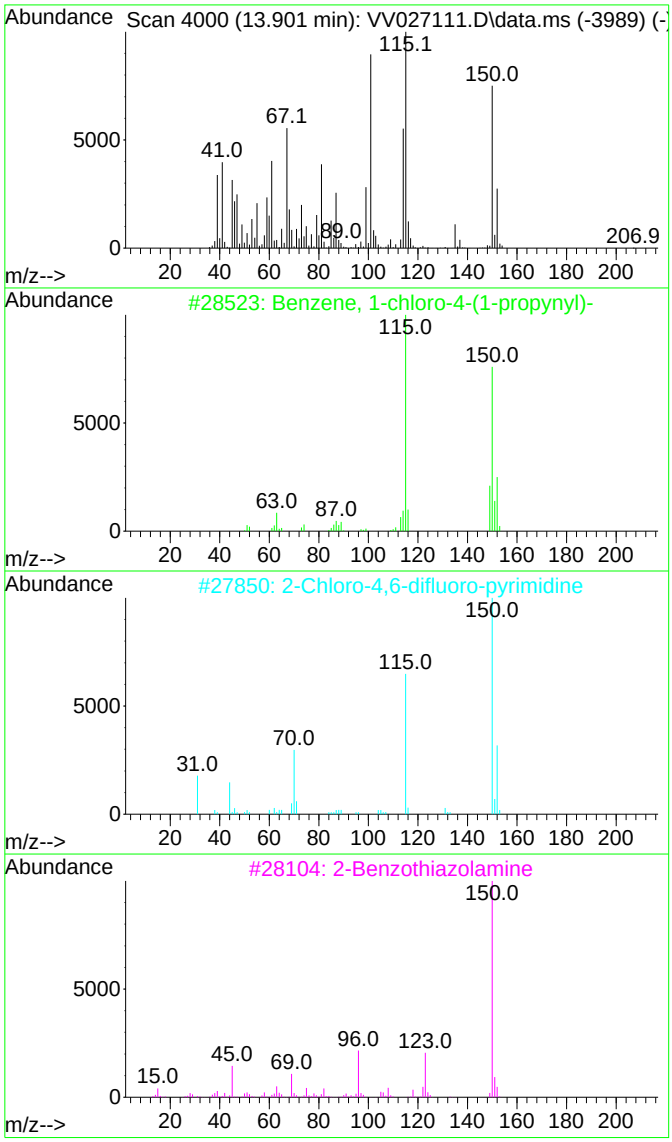
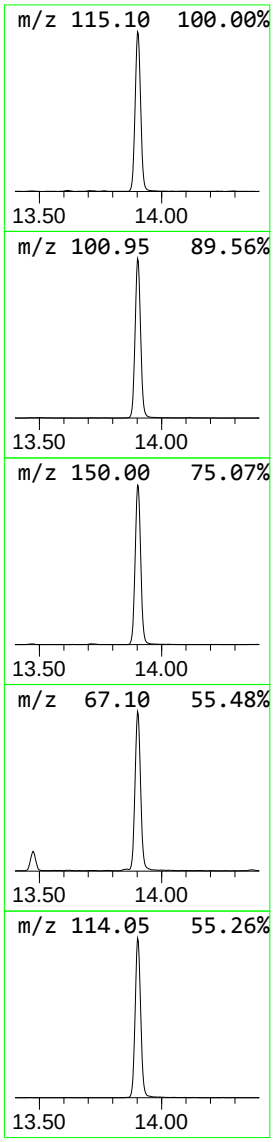
Peak Number 22 unknown-04 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.901	69.45 ug/L	2994130	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	38
2	2-Chloro-4,6-difluoro-pyrimidine	150	C4HClF2N2	038953-30-9	22
3	2-Benzothiazolamine	150	C7H6N2S	000136-95-8	11
4	1,3,4-Thiadiazol-2-amine	101	C2H3N3S	004005-51-0	11
5	Imidazo[5,1-f][1,2,4]triazine-2,...	150	C5H6N6	051292-20-7	11





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Data File : VV027111.D
Acq On : 30 Jul 2022 02:43
Operator : SY/MD
Sample : N3956-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF07

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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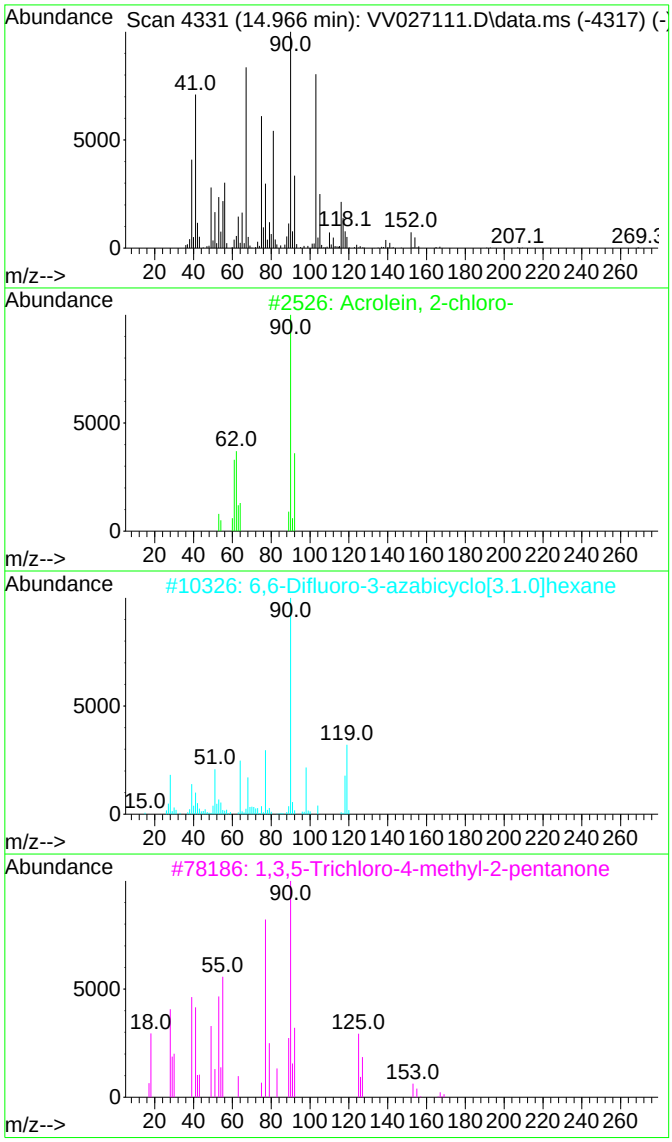
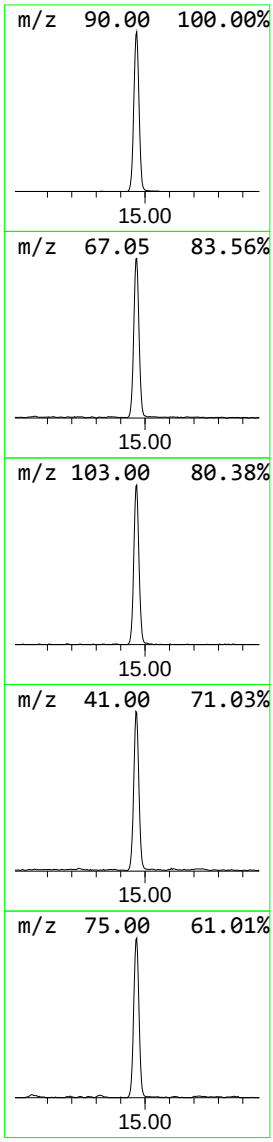
Peak Number 23 unknown-05 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.966	16.85 ug/L	726232	1,4-Dichlorobenzene-d4	11.246

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acrolein, 2-chloro-	90	C3H3ClO	000683-51-2	37
2	6,6-Difluoro-3-azabicyclo[3.1.0]...	119	C5H7F2N	1215166-78-1	25
3	1,3,5-Trichloro-4-methyl-2-penta...	202	C6H9Cl3O	1000140-03-8	25
4	Borane, chloro(dimethylamino)ethyl-	119	C4H11BClN	001739-26-0	23
5	4-(2-Aminoethyl)benzenesulfonamide	200	C8H12N2O2S	035303-76-5	17





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027111.D
Acq On : 30 Jul 2022 02:43
Operator : SY/MD
Sample : N3956-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF07

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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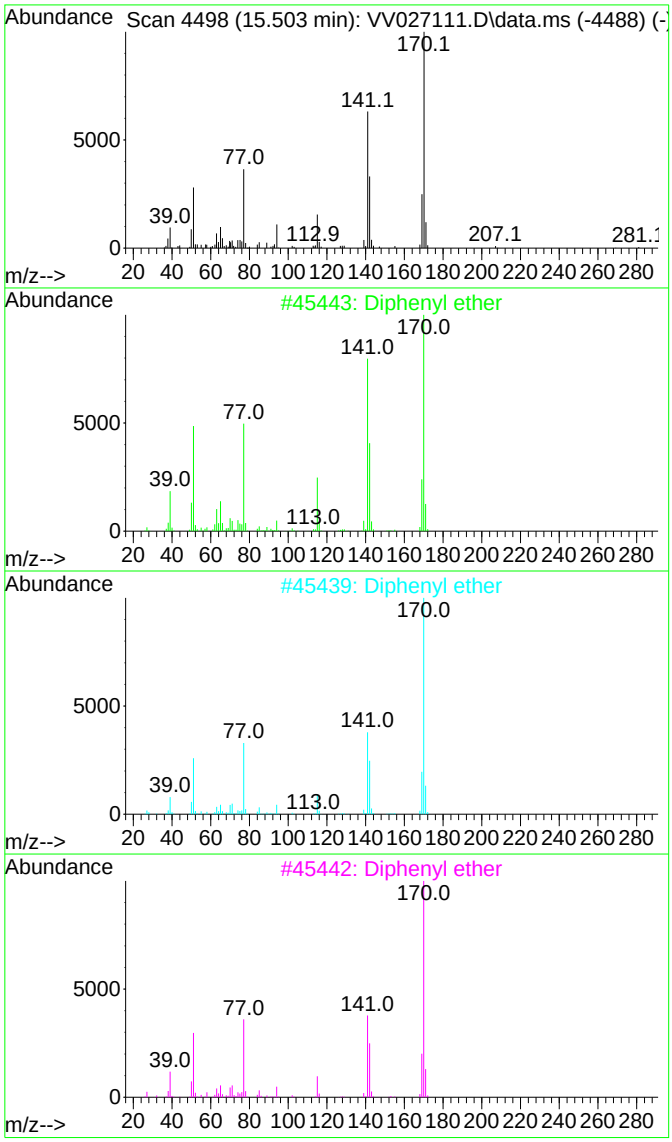
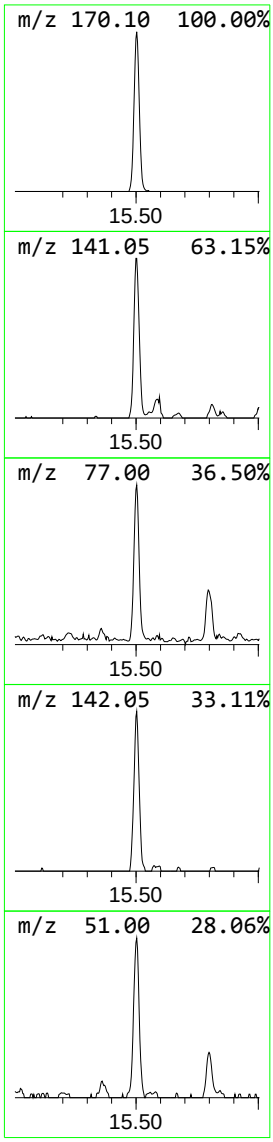
Peak Number 24 Diphenyl ether Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.503	2.69 ug/L	116047	1,4-Dichlorobenzene-d4	11.246

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenyl ether	170	C12H10O	000101-84-8	95
2	Diphenyl ether	170	C12H10O	000101-84-8	93
3	Diphenyl ether	170	C12H10O	000101-84-8	87
4	Diphenyl ether	170	C12H10O	000101-84-8	87
5	Diphenyl ether	170	C12H10O	000101-84-8	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027111.D
Acq On : 30 Jul 2022 02:43
Operator : SY/MD
Sample : N3956-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF07

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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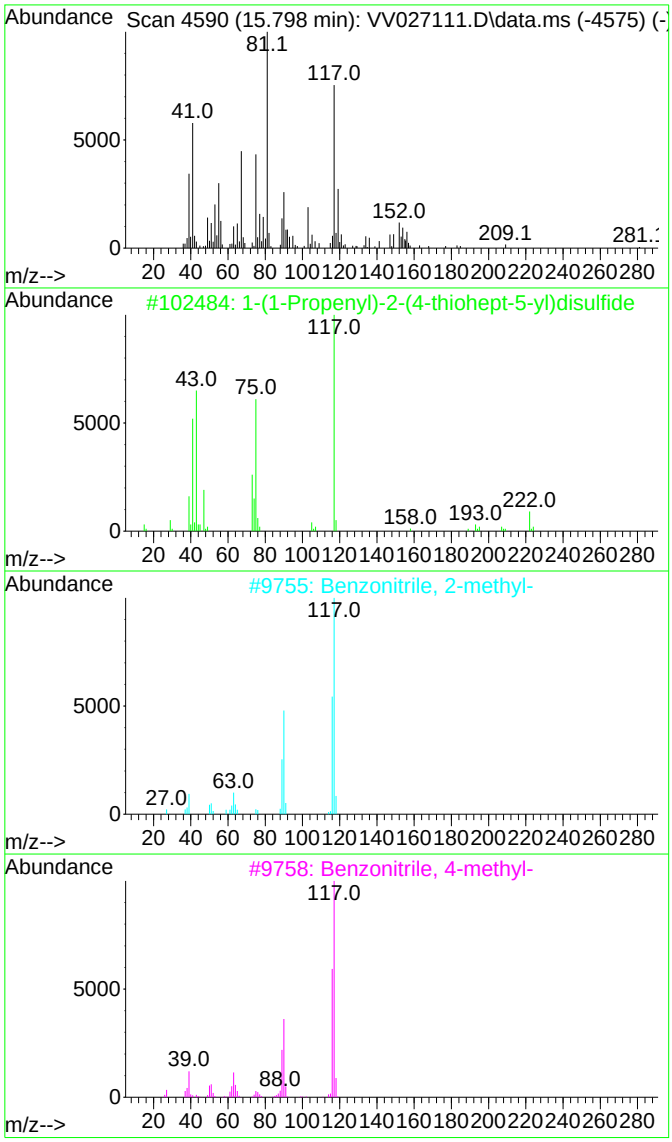
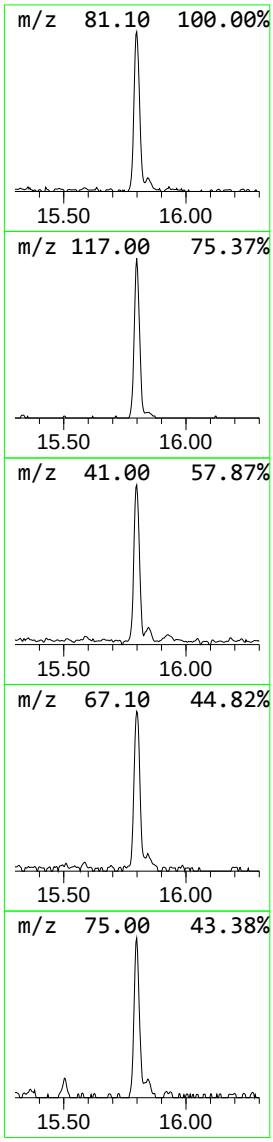
Peak Number 25 unknown-06 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.799	3.87 ug/L	166710	1,4-Dichlorobenzene-d4	11.246

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(1-Propenyl)-2-(4-thiohept-5-y...	222	C9H18S3	1000322-30-9	22
2	Benzonitrile, 2-methyl-	117	C8H7N	000529-19-1	18
3	Benzonitrile, 4-methyl-	117	C8H7N	000104-85-8	18
4	Benzyl nitrile	117	C8H7N	000140-29-4	18
5	Benzonitrile, 4-methyl-	117	C8H7N	000104-85-8	18





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027111.D
Acq On : 30 Jul 2022 02:43
Operator : SY/MD
Sample : N3956-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF07

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	1531.3	ug/L	44884000	1	5.612	1465530	50.0
Propyne	1.172	36.1	ug/L	1058460	1	5.612	1465530	50.0
Cyclopentene	2.471	3.1	ug/L	89581	1	5.612	1465530	50.0
(DEL) Alkane: C...	2.571	41.3	ug/L	1209390	1	5.612	1465530	50.0
Isopropenyl bro...	2.654	22.2	ug/L	649706	1	5.612	1465530	50.0
1,5-Hexadiene	2.831	4.2	ug/L	122803	1	5.612	1465530	50.0
Diisopropyl ether	3.288	3.6	ug/L	105792	1	5.612	1465530	50.0
Thiophene	5.358	5.5	ug/L	162096	1	5.612	1465530	50.0
1-Propene, 3,3'...	5.860	17.3	ug/L	508114	1	5.612	1465530	50.0
Thietane	6.374	11.9	ug/L	347673	1	5.612	1465530	50.0
2H-Pyran, tetra...	6.895	86.1	ug/L	2524150	1	5.612	1465530	50.0
2H-Thiopyran, t...	10.078	31.7	ug/L	1364730	3	11.246	2155530	50.0
2H-Thiopyran, t...	10.355	5.8	ug/L	249424	3	11.246	2155530	50.0
Thiophene, 2-et...	10.406	24.8	ug/L	1067000	3	11.246	2155530	50.0
Butanal, ethylh...	10.683	4.1	ug/L	175160	3	11.246	2155530	50.0
3-Methoxy-2-met...	11.024	2.9	ug/L	125947	3	11.246	2155530	50.0
unknown-01	11.175	4.7	ug/L	203119	3	11.246	2155530	50.0
Benzene, 1-brom...	12.394	22.1	ug/L	951255	3	11.246	2155530	50.0
unknown-02	13.201	3.7	ug/L	159952	3	11.246	2155530	50.0
unknown-03	13.474	8.8	ug/L	381712	3	11.246	2155530	50.0
unknown-04	13.901	69.5	ug/L	2994130	3	11.246	2155530	50.0
unknown-05	14.966	16.9	ug/L	726232	3	11.246	2155530	50.0
Diphenyl ether	15.503	2.7	ug/L	116047	3	11.246	2155530	50.0
unknown-06	15.799	3.9	ug/L	166710	3	11.246	2155530	50.0