LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027105.D
Acq On : 30 Jul 2022 00:16
Operator : SY/MD
Sample : N3956-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF01

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: VV027105.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.101	12	19	37	rBV2	50985787	87119026	74.52%	7.783%
2	1.301	73	81	101	rVB3	535963	805648	0.69%	0.072%
3	1.561	154	162	176	rVB	259700	334259	0.29%	0.030%
4	1.703	197	206	218	rBV	689432	808809	0.69%	0.072%
5	2.047	298	313	323	rBV	1782637	3285481	2.81%	0.294%
6	2.098	324	329	342	rVB	584760	908712	0.78%	0.081%
7	2.191	347	358	397	rVB3	402172	1275256	1.09%	0.114%
8	2.397	413	422	439	rBV	281748	469127	0.40%	0.042%
9	2.568	467	475	490	rVB	142205	286613	0.25%	0.026%
10	2.651	490	501	518	rVB	503063	876534	0.75%	0.078%
11	2.828	545	556	580	rVB	179282	338187	0.29%	0.030%
12	3.436	730	745	755	rVV4	138851	432221	0.37%	0.039%
13	3.497	758	764	790	rVB2	155596	393874	0.34%	0.035%
14	3.754	835	844	868	rVB5	87029	243946	0.21%	0.022%
15	3.899	871	889	909	rBV3	276552	938638	0.80%	0.084%
16	4.343	1010	1027	1041	rBV	367549	940753	0.80%	0.084%
17	4.670	1115	1129	1147	rVV4	130196	328482	0.28%	0.029%
18	5.101	1224	1263	1294	rBV3	40182827	110142607	94.22%	9.840%
19	5.613	1411	1422	1438	rVV	639744	1296414	1.11%	0.116%
20	5.879	1484	1505	1553	rBV2	44685162	116902402	100.00%	10.444%
21	6.069	1554	1564	1577	rVV	481906	1006641	0.86%	0.090%
22	6.169	1579	1595	1631	rVV3	1260268	3141024	2.69%	0.281%
23	6.375	1648	1659	1700	rVB	707189	1616936	1.38%	0.144%
24	6.844	1793	1805	1811	rBV2	576312	1020223	0.87%	0.091%
25	6.899	1811	1822	1843	rVV	7574528	14845556	12.70%	1.326%
26	7.313	1940	1951	1961	rBV	1054816	1820459	1.56%	0.163%
27	7.397	1961	1977	2013	rVV2	18368485	56830675	48.61%	5.077%
28	7.619	2037	2046	2062	rVB	185183	316672	0.27%	0.028%
29	7.715	2063	2076	2084	rBV	1356525	2399784	2.05%	0.214%
30	7.764	2085	2091	2104	rVV2	522368	1484768	1.27%	0.133%
31	7.828	2105	2111	2133	rVB2	533436	990455	0.85%	0.088%
32	8.024	2151	2172	2186	rBV2	38431022	76312661	65.28%	6.818%
33	8.088	2187	2192	2205	rVB	555183	927734	0.79%	0.083%
34	8.214	2222	2231	2263	rVB4	147506	422823	0.36%	0.038%
35	8.448	2293	2304	2327	rVB2	228815	461958	0.40%	0.041%
36	8.625	2347	2359	2371	rBV	778014	1311061	1.12%	0.117%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027105.D
Acq On : 30 Jul 2022 00:16
Operator : SY/MD
Sample : N3956-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF01

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	8.815	2406	2418	2426	rBV	9940509	14812427	12.67%	1.323%
38	8.889	2426	2441	2463	rVV2	43389372	82429359	70.51%	7.364%
39	8.995	2464	2474	2476	rVV	902797	1146682	0.98%	0.102%
40	9.024	2477	2483	2493	rVV2	2407072	3838124	3.28%	0.343%
41	9.075	2493	2499	2508	rVV	220956	371912	0.32%	0.033%
42	9.137	2509	2518	2540	rVB	381676	840633	0.72%	0.075%
43	9.294	2557	2567	2581	rBV	241188	446224	0.38%	0.040%
44	9.384	2581	2595	2609	rBV	17398978	27739375	23.73%	2.478%
45	9.545	2635	2645	2654	rBV	274196	436566	0.37%	0.039%
46	9.699	2682	2693	2710	rVB	220322	392231	0.34%	0.035%
47	9.825	2713	2732	2741	rBV3	76354	186305	0.16%	0.017%
48	10.037	2779	2798	2802	rBV	482601	811704	0.69%	0.073%
49	10.079	2802	2811	2837	rVV2	7794485	14682506	12.56%	1.312%
50	10.217	2840	2854	2867	rVV	22809141	35737440	30.57%	3.193%
51	10.294	2867	2878	2888	rVV2	769685	1458747	1.25%	0.130%
52	10.358	2889	2898	2902	rVV3	301694	494706	0.42%	0.044%
53	10.407	2902	2913	2945	rVB	8270741	13465279	11.52%	1.203%
54	10.616	2966	2978	2989	rBV	1019221	1634493	1.40%	0.146%
55	10.683	2989	2999	3010	rVV	1107135	1752385	1.50%	0.157%
56	10.751	3011	3020	3031	rVV2	74519	167620	0.14%	0.015%
57	10.825	3034	3043	3052	rVB4	147377	241425	0.21%	0.022%
58	10.921	3063	3073	3079	rBV4	156399	280639	0.24%	0.025%
59	10.960	3080	3085	3097	rVB	192926	293187	0.25%	0.026%
60	11.114	3117	3133	3140	rBV6	76289	162200	0.14%	0.014%
61	11.162	3140	3148	3164	rVB	196768	347302	0.30%	0.031%
62	11.249	3164	3175	3181	rBV	1363203	2058740	1.76%	0.184%
63	11.304	3181	3192	3207	rVV	10168345	16590344	14.19%	1.482%
64	11.381	3208	3216	3231	rVV2	408511	895462	0.77%	0.080%
65	11.464	3235	3242	3253	rVB	149196	230355	0.20%	0.021%
66	11.529	3253	3262	3275	rBV	208286	378235	0.32%	0.034%
67	11.644	3281	3298	3321	rVB3	2214125	5643654	4.83%	0.504%
68	11.911	3369	3381	3399	rVV	5835814	8739217	7.48%	0.781%
69	12.075	3421	3432	3442	rBV2	289929	512463	0.44%	0.046%
70	12.152	3444	3456	3477	rVB	6911816	10330083	8.84%	0.923%
71	12.320	3492	3508	3519	rBV4	396388	842163	0.72%	0.075%
72	12.394	3519	3531	3562	rVB	15367413	24927584	21.32%	2.227%
73	12.593	3581	3593	3603	rBV	1319090	2027023	1.73%	0.181%
74	12.651	3603	3611	3620	rVB2	196302	264907	0.23%	0.024%
75	12.747	3629	3641	3652	rBV	11716088	17941896	15.35%	1.603%
76	12.831	3652	3667	3679	rVB	53729160	93727935	80.18%	8.374%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027105.D
Acq On : 30 Jul 2022 00:16
Operator : SY/MD
Sample : N3956-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF01

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	12.911	3680	3692	3702	rBV2	2295968	3893082	3.33%	0.348%
78	13.149	3753	3766	3776	rBV2	4768910	7413287	6.34%	0.662%
79	13.201	3776	3782	3787	rBV	552341	772096	0.66%	0.069%
80	13.291	3803	3810	3829	rVB3	206053	433703	0.37%	0.039%
81	13.394	3830	3842	3851	rBV3	567722	925547	0.79%	0.083%
82	13.474	3859	3867	3879	rBV5	149208	267639	0.23%	0.024%
83	13.574	3891	3898	3906	rVB	138122	183464	0.16%	0.016%
84	13.718	3929	3943	3952	rBV7	75948	201115	0.17%	0.018%
85	13.796	3953	3967	3978	rVV	29471503	45162061	38.63%	4.035%
86	13.860	3978	3987	3993	rVV2	3448618	5330065	4.56%	0.476%
87	13.911	3993	4003	4024	rVV	25391409	40486693	34.63%	3.617%
88	14.027	4025	4039	4053	rVV	18552493	27646171	23.65%	2.470%
89	14.111	4054	4065	4076	rVB	1299729	1931420	1.65%	0.173%
90	14.320	4120	4130	4136	rBV	423025	622002	0.53%	0.056%
91	14.368	4136	4145	4165	rVB3	658137	1260595	1.08%	0.113%
92	14.532	4187	4196	4207	rBV3	281289	430843	0.37%	0.038%
93	14.699	4235	4248	4251	rBV	4448533	6443418	5.51%	0.576%
94	14.731	4251	4258	4269	rVV2	12071929	19148423	16.38%	1.711%
95	14.789	4269	4276	4284	rVB	357908	526688	0.45%	0.047%
96	14.972	4315	4333	4345	rBV	26729770	41255457	35.29%	3.686%
97	15.213	4393	4408	4418	rBV2	851806	1563638	1.34%	0.140%
98	15.291	4418	4432	4441	rVV	967916	2218502	1.90%	0.198%
99	15.554	4503	4514	4520	rVV	125721	207910	0.18%	0.019%
100	15.802	4578	4591	4602	rBV	18788728	28664677	24.52%	2.561%

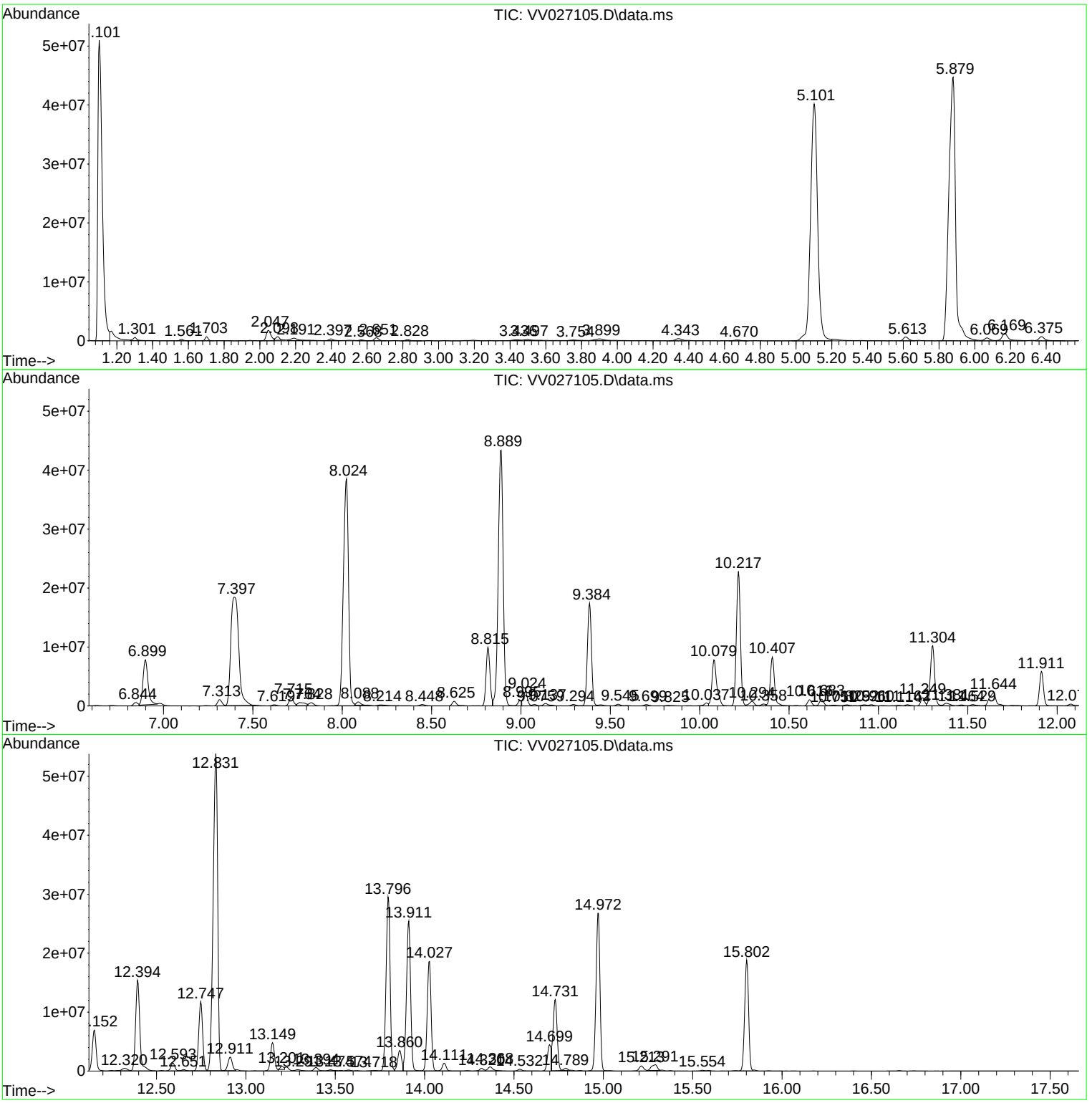
Sum of corrected areas: 1119304447

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027105.D
Acq On : 30 Jul 2022 00:16
Operator : SY/MD
Sample : N3956-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF01

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 : VV027105.D
Acq On : 30 Jul 2022 00:16
Operator : SY/MD
Sample : N3956-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF01

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

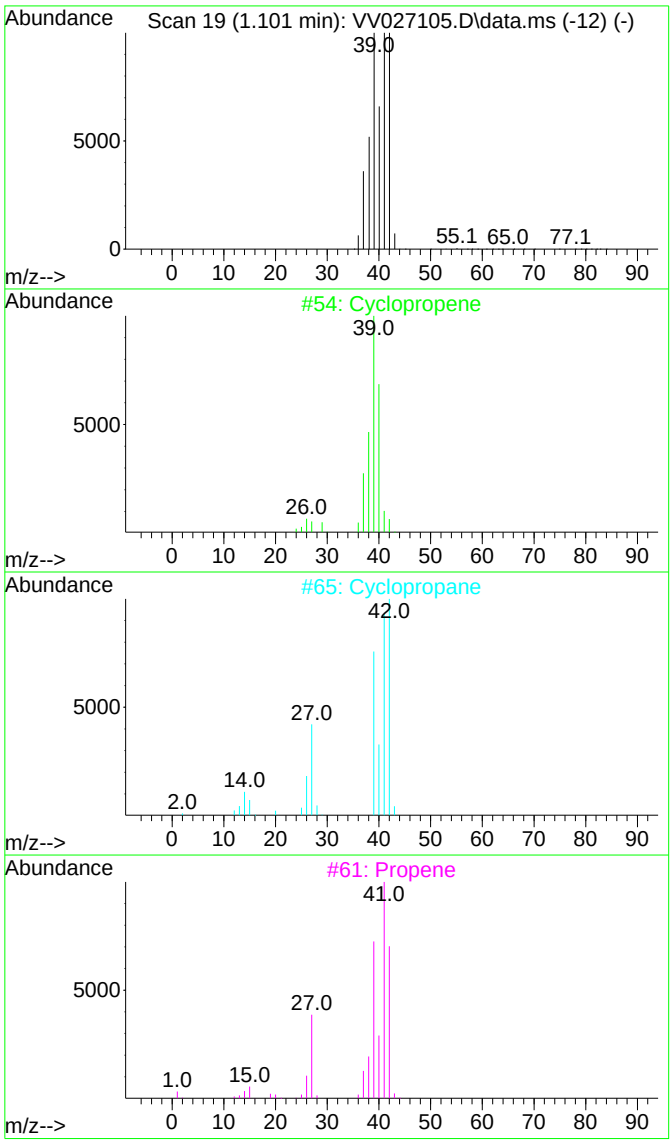
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

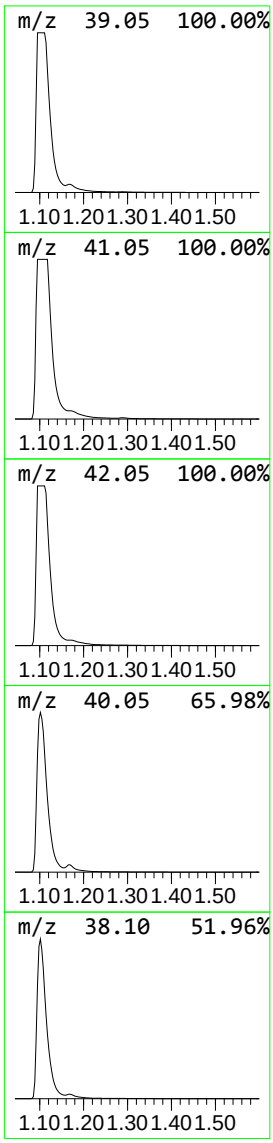
****

Peak Number 1 Cyclopropene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.101	3360.00 ug/L	87119000	1,4-Difluorobenzene	5.616

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropene	40	C3H4	002781-85-3	80
2	Cyclopropane	42	C3H6	000075-19-4	38
3	Propene	42	C3H6	000115-07-1	9
4	Allene	40	C3H4	000463-49-0	9
5	Cyclopropane	42	C3H6	000075-19-4	7





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027105.D
Acq On : 30 Jul 2022 00:16
Operator : SY/MD
Sample : N3956-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF01

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

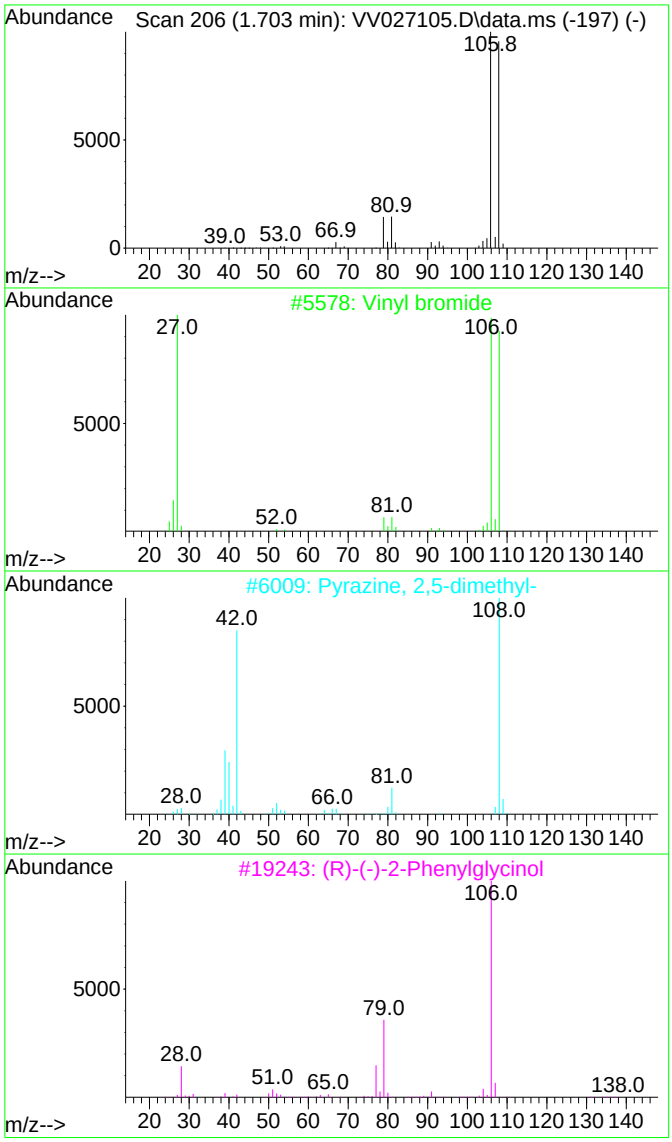
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

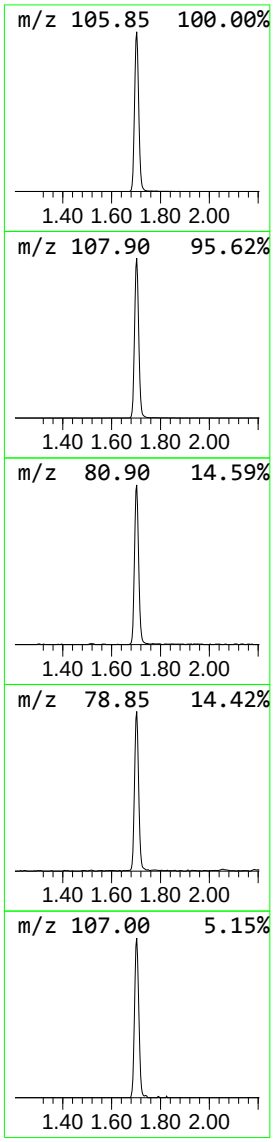
****

Peak Number 2 Vinyl bromide Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.703	31.19 ug/L	808809	1,4-Difluorobenzene	5.616

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Vinyl bromide	106	C2H3Br	000593-60-2	86
2	Pyrazine, 2,5-dimethyl-	108	C6H8N2	000123-32-0	35
3	(R)-(-)-2-Phenylglycinol	137	C8H11NO	056613-80-0	12
4	Anisole	108	C7H8O	000100-66-3	9
5	2-Pyridinamine, 4-methyl-	108	C6H8N2	000695-34-1	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027105.D
Acq On : 30 Jul 2022 00:16
Operator : SY/MD
Sample : N3956-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF01

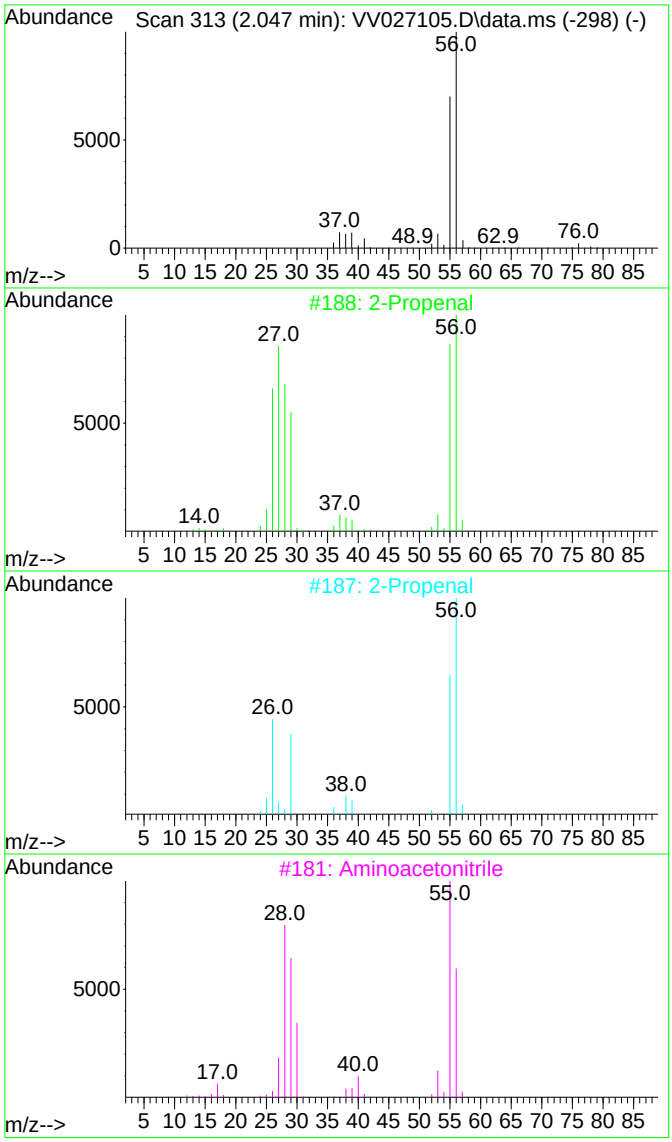
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

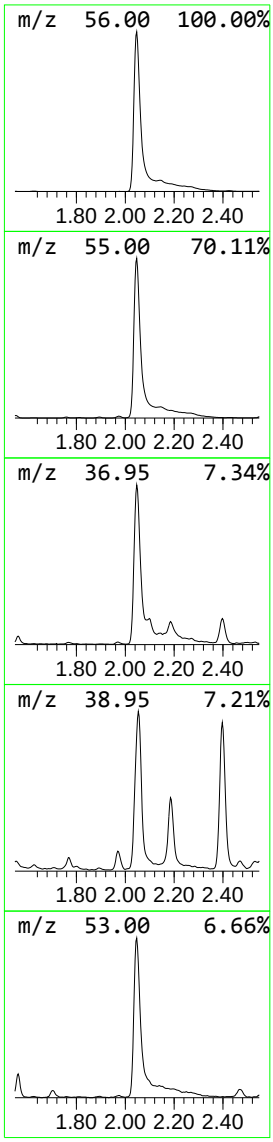
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 2-Propenal Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.047	126.71 ug/L	3285480	1,4-Difluorobenzene	5.616

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propenal	56	C3H4O	000107-02-8	86
2	2-Propenal	56	C3H4O	000107-02-8	9
3	Aminoacetonitrile	56	C2H4N2	000540-61-4	9
4	Propargyl alcohol	56	C3H4O	000107-19-7	9
5	2-Propenal	56	C3H4O	000107-02-8	7





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027105.D
Acq On : 30 Jul 2022 00:16
Operator : SY/MD
Sample : N3956-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF01

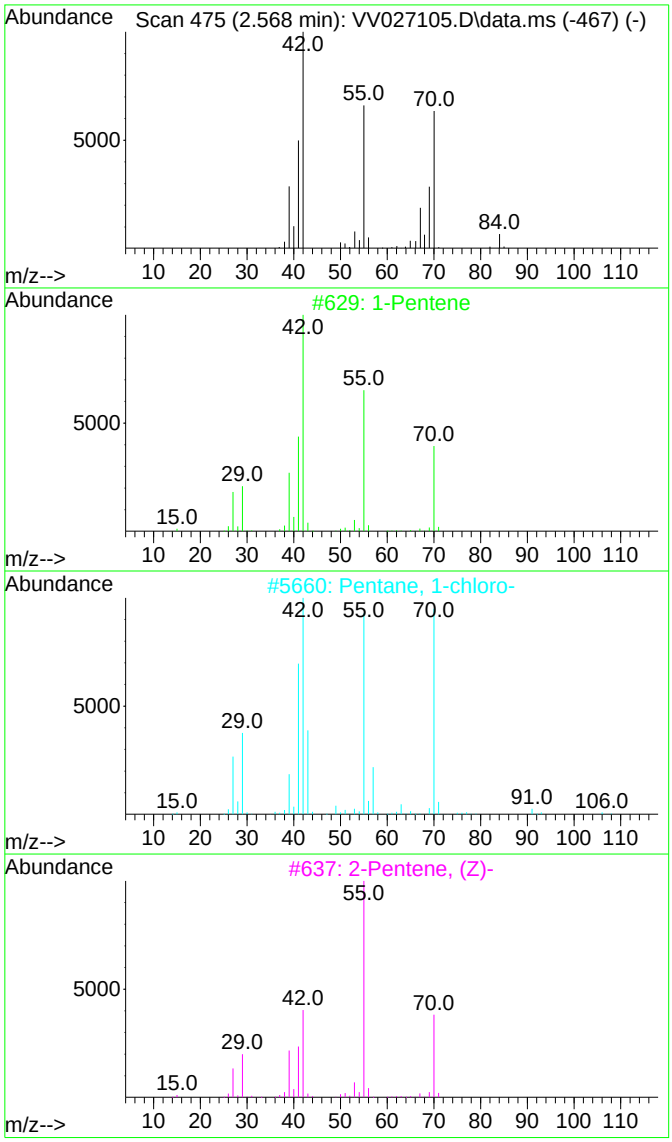
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

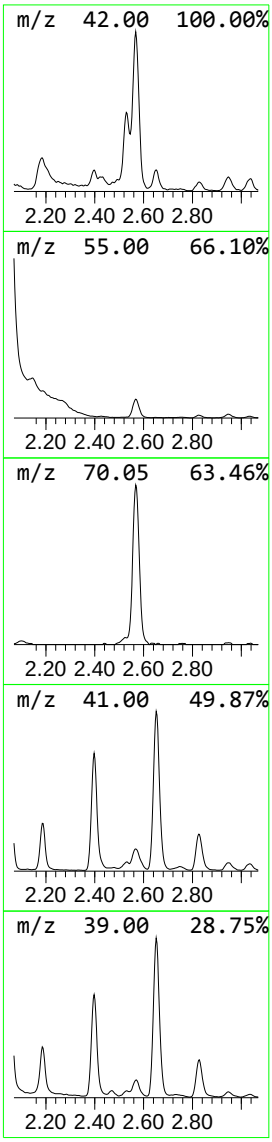
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.568	11.05 ug/L	286613	1,4-Difluorobenzene	5.616

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene	70	C5H10	000109-67-1	72
2	Pentane, 1-chloro-	106	C5H11Cl	000543-59-9	50
3	2-Pentene, (Z)-	70	C5H10	000627-20-3	32
4	2-Pentene	70	C5H10	000109-68-2	32
5	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	28





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027105.D
Acq On : 30 Jul 2022 00:16
Operator : SY/MD
Sample : N3956-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF01

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

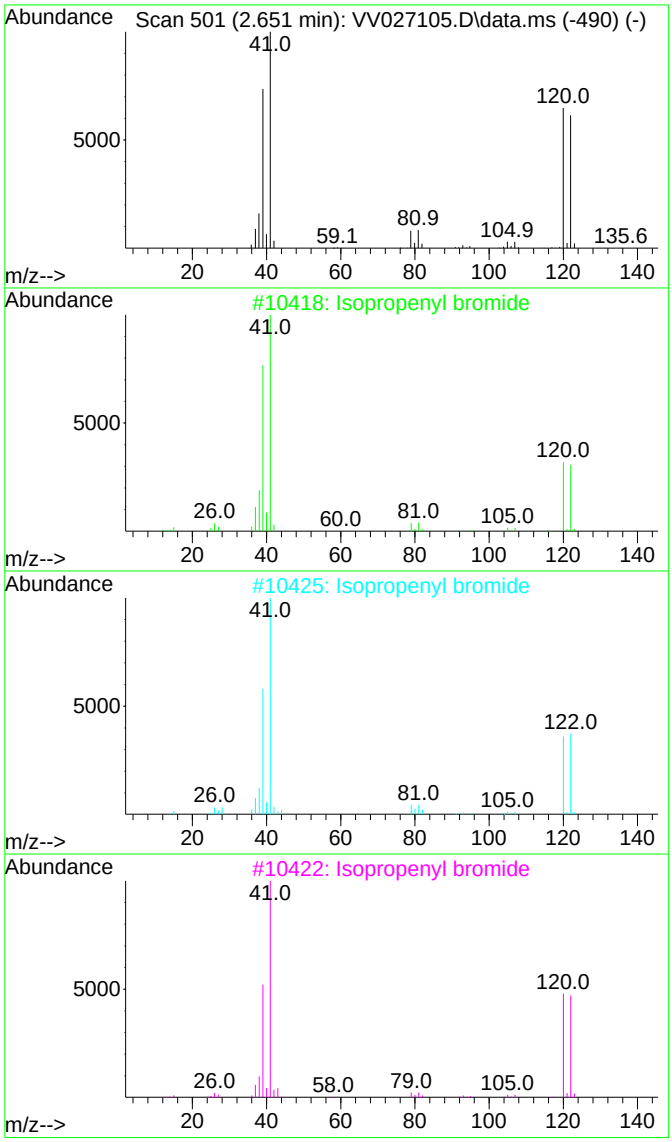
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

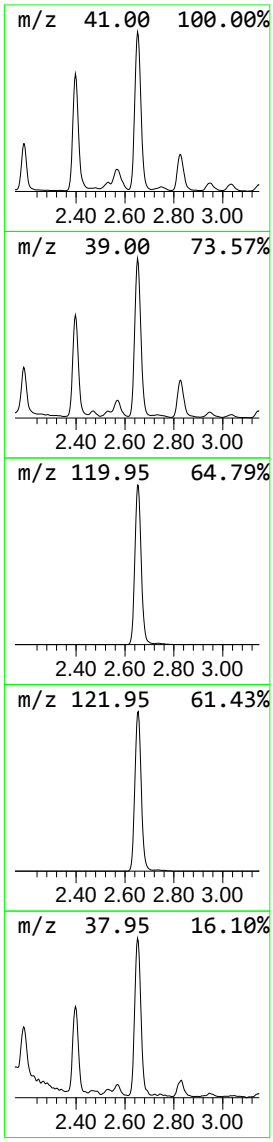
****

Peak Number 5 Isopropenyl bromide Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.651	33.81 ug/L	876534	1,4-Difluorobenzene	5.616

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	1-Propene, 3-bromo-	120	C3H5Br	000106-95-6	91
5	Cyclopropyl bromide	120	C3H5Br	004333-56-6	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027105.D
Acq On : 30 Jul 2022 00:16
Operator : SY/MD
Sample : N3956-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF01

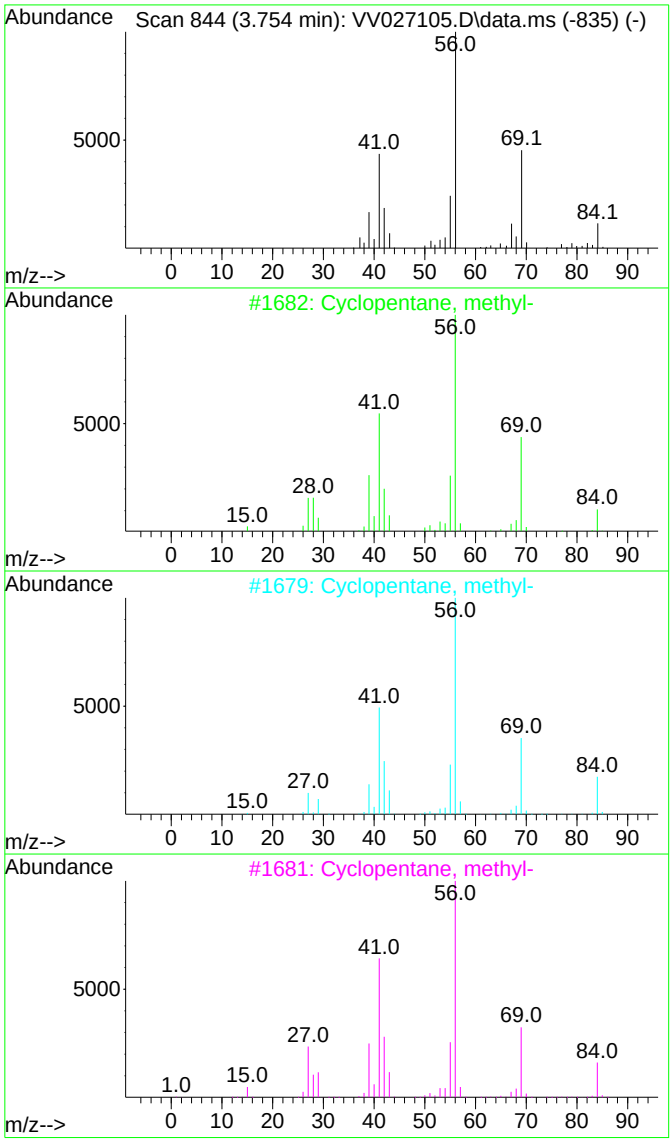
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

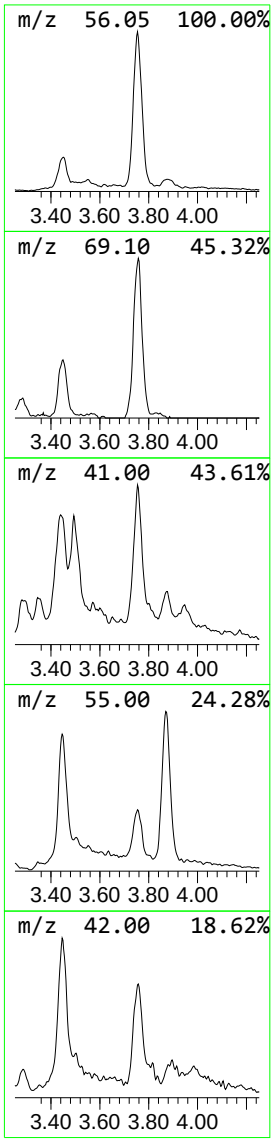
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 (DEL) Alkane: Cyclic3.754 Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.754	9.41 ug/L	243946	1,4-Difluorobenzene	5.616

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	87
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	64
3	Cyclopentane, methyl-	84	C6H12	000096-37-7	64
4	Cyclopentane, methyl-	84	C6H12	000096-37-7	64
5	Cyclobutane, ethyl-	84	C6H12	004806-61-5	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027105.D
Acq On : 30 Jul 2022 00:16
Operator : SY/MD
Sample : N3956-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF01

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

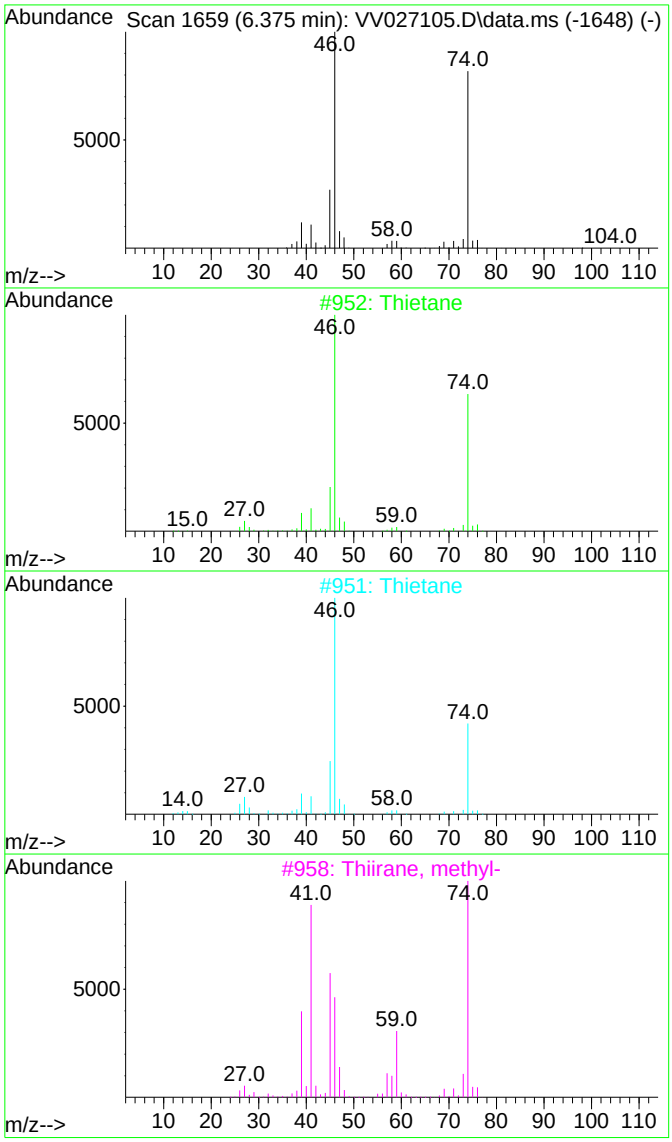
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

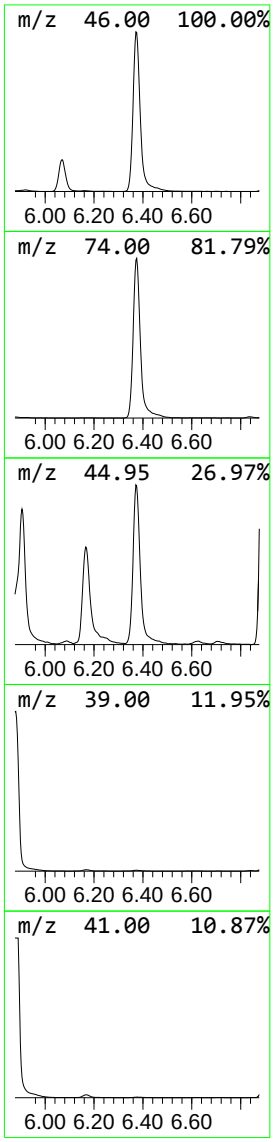
****

Peak Number 10 Thietane Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.375	62.36 ug/L	1616940	1,4-Difluorobenzene	5.616

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	Thiirane, methyl-	74	C3H6S	001072-43-1	9
4	1,3-Propanediol, 2-methyl-2-nitr...	225	C4H7N3O8	004055-94-1	9
5	Thiirane, methyl-	74	C3H6S	001072-43-1	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027105.D
Acq On : 30 Jul 2022 00:16
Operator : SY/MD
Sample : N3956-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF01

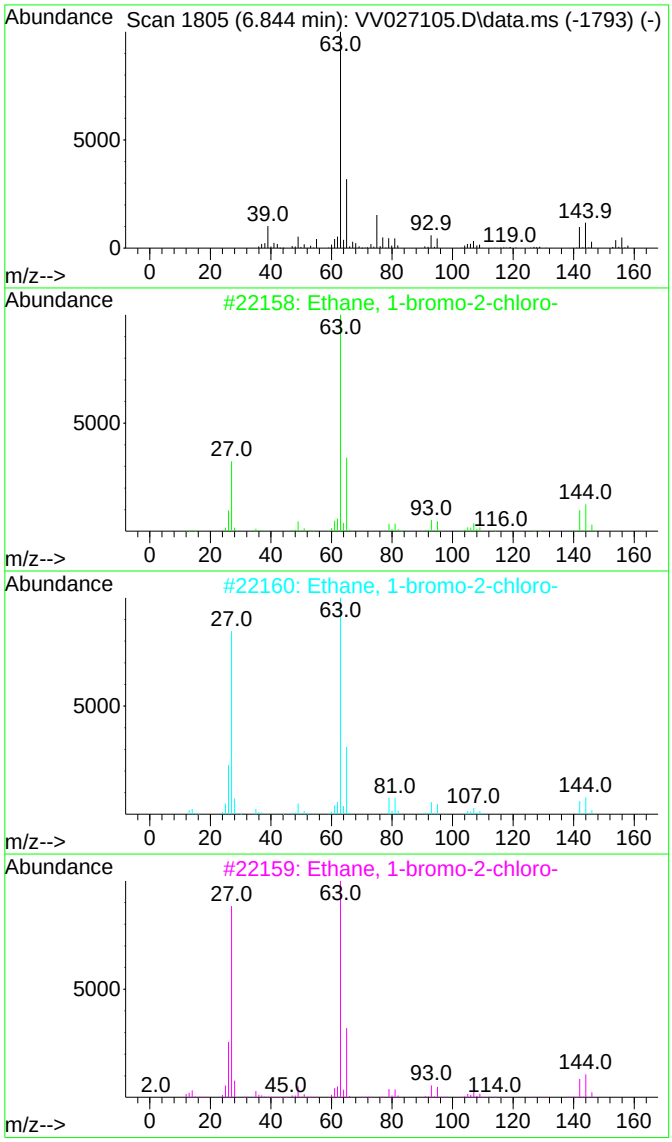
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

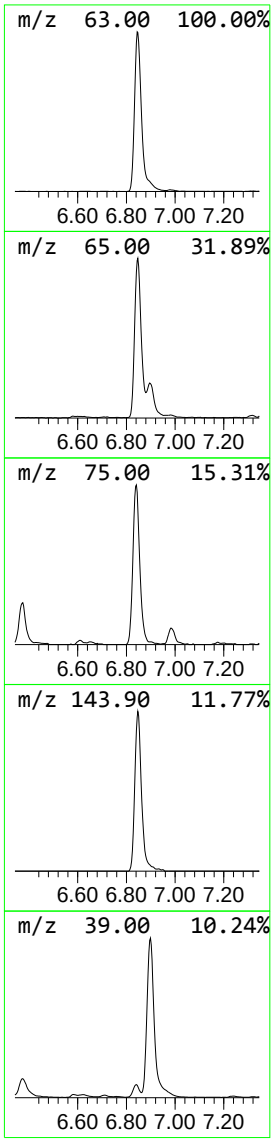
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Ethane, 1-bromo-2-chloro- Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.844	39.35 ug/L	1020220	1,4-Difluorobenzene	5.616

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethane, 1-bromo-2-chloro-	142	C2H4BrCl	000107-04-0	94
2	Ethane, 1-bromo-2-chloro-	142	C2H4BrCl	000107-04-0	91
3	Ethane, 1-bromo-2-chloro-	142	C2H4BrCl	000107-04-0	91
4	Ethane, 1-bromo-2-chloro-	142	C2H4BrCl	000107-04-0	91
5	Ethane, 1-bromo-2-chloro-	142	C2H4BrCl	000107-04-0	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027105.D
Acq On : 30 Jul 2022 00:16
Operator : SY/MD
Sample : N3956-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF01

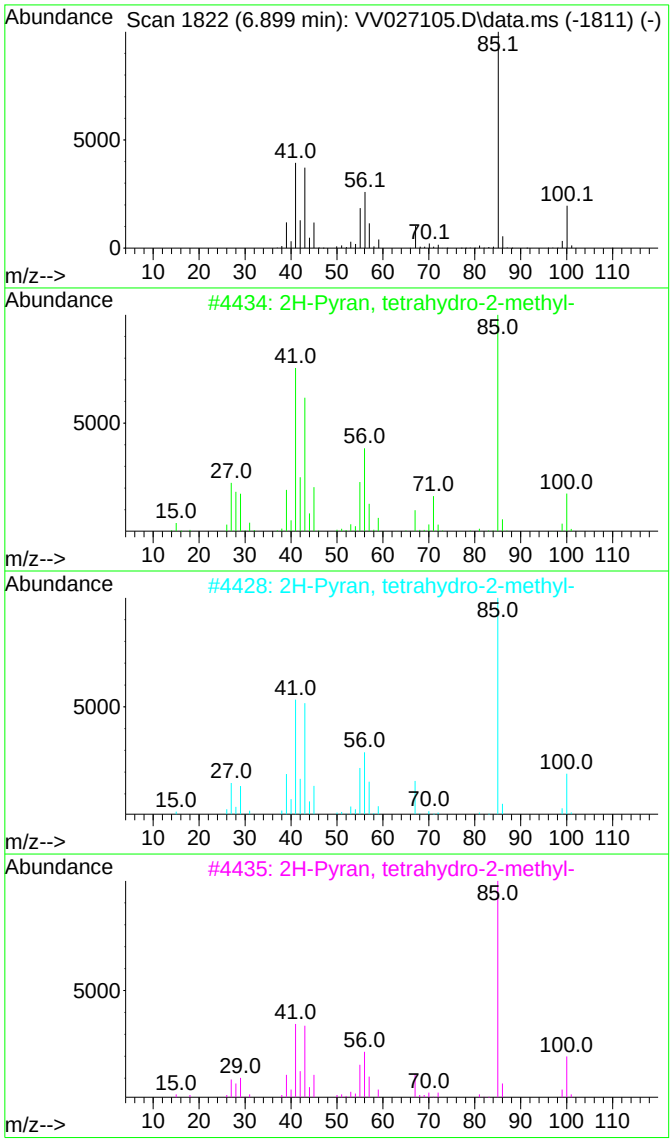
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

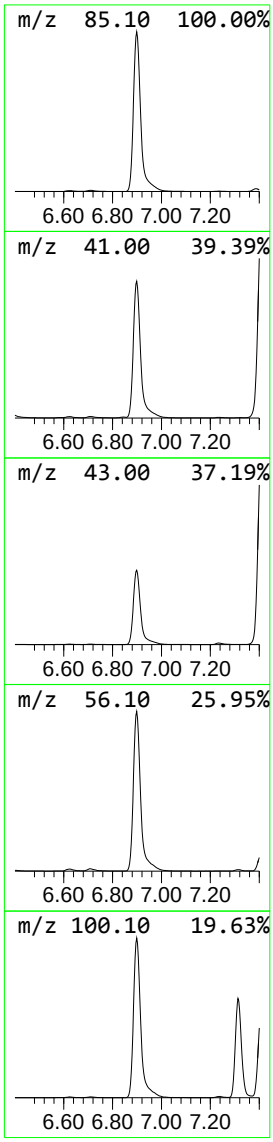
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 2H-Pyran, tetrahydro-2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.899	572.56 ug/L	14845600	1,4-Difluorobenzene	5.616

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	90
4	2H-Pyran, tetrahydro-2-methyl-	100	C6H12O	010141-72-7	78
5	Furan, tetrahydro-2,4-dimethyl-,...	100	C6H12O	039168-01-9	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027105.D
Acq On : 30 Jul 2022 00:16
Operator : SY/MD
Sample : N3956-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF01

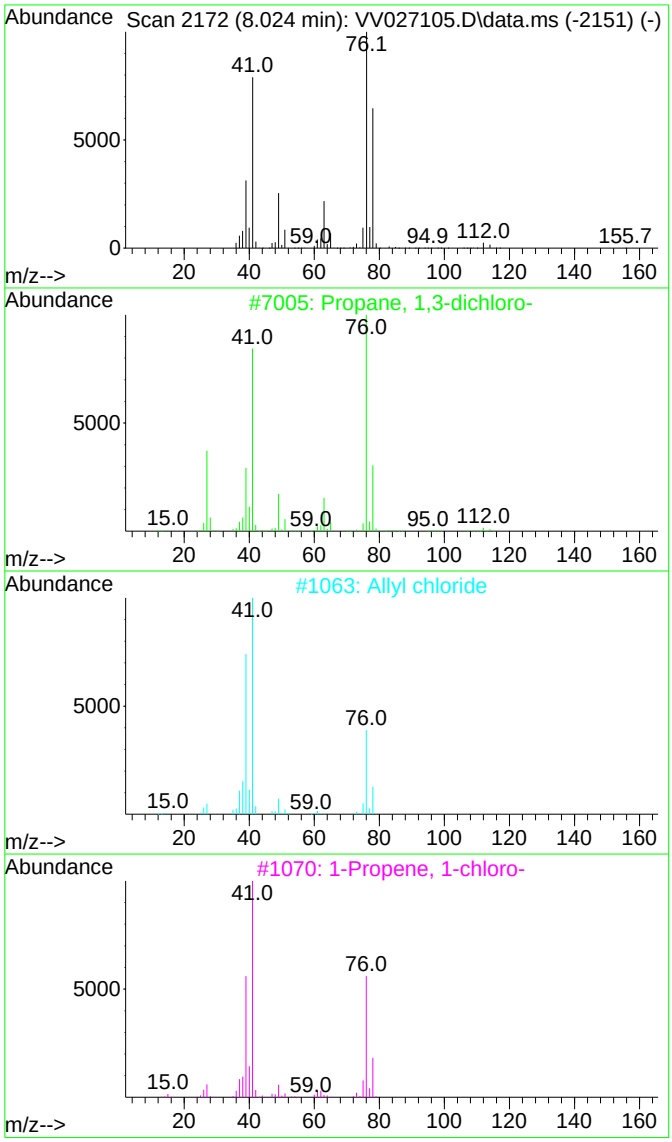
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

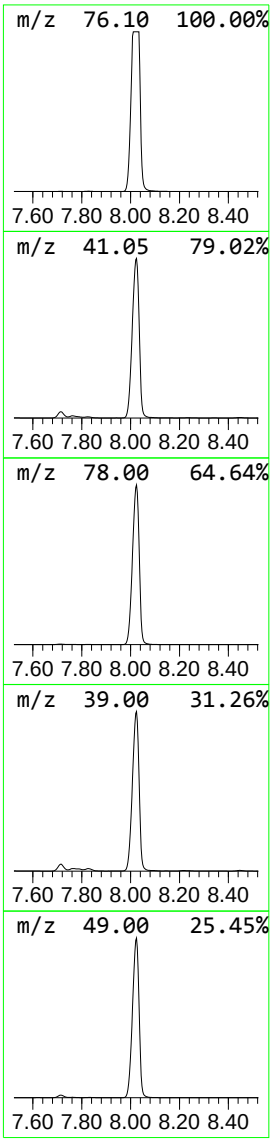
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Propane, 1,3-dichloro- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.024	46.29 ug/L	76312700	Chlorobenzene-d5	8.854

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1,3-dichloro-	112	C3H6Cl2	000142-28-9	64
2	Allyl chloride	76	C3H5Cl	000107-05-1	59
3	1-Propene, 1-chloro-	76	C3H5Cl	000590-21-6	59
4	Allyl chloride	76	C3H5Cl	000107-05-1	53
5	1-Propene, 1-chloro-	76	C3H5Cl	000590-21-6	42





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027105.D
Acq On : 30 Jul 2022 00:16
Operator : SY/MD
Sample : N3956-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF01

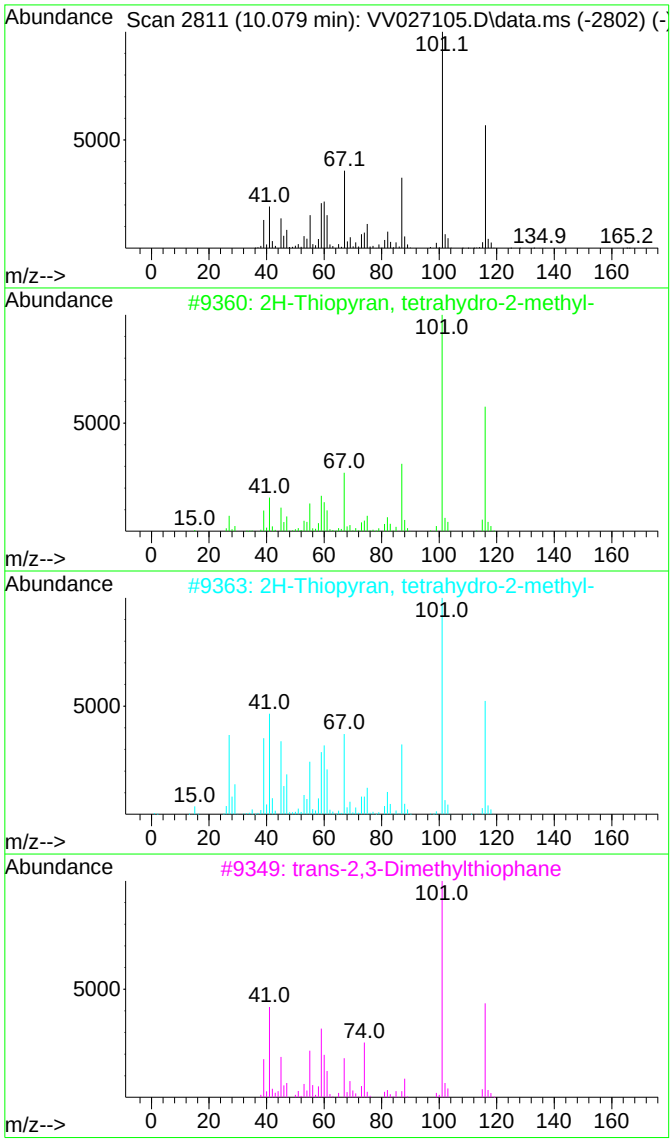
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

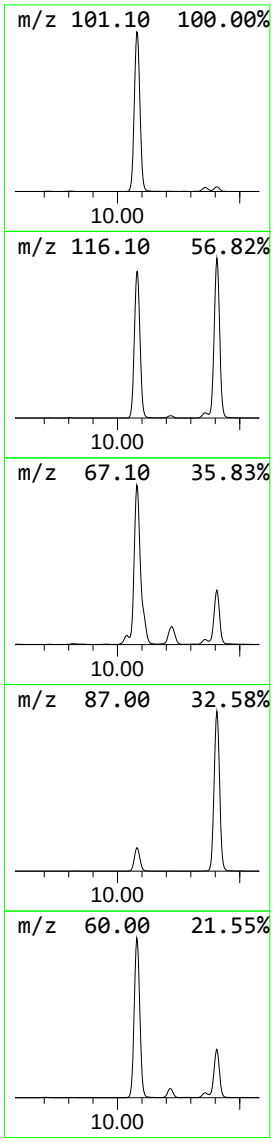
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 2H-Thiopyran, tetrahydro-2-... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.079	356.59 ug/L	14682500	1,4-Dichlorobenzene-d4	11.249

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	90
4	cis-2,3-Dimethylthiophane	116	C6H12S	005161-77-3	83
5	cis-2,3-Dimethylthiophane	116	C6H12S	005161-77-3	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027105.D
Acq On : 30 Jul 2022 00:16
Operator : SY/MD
Sample : N3956-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF01

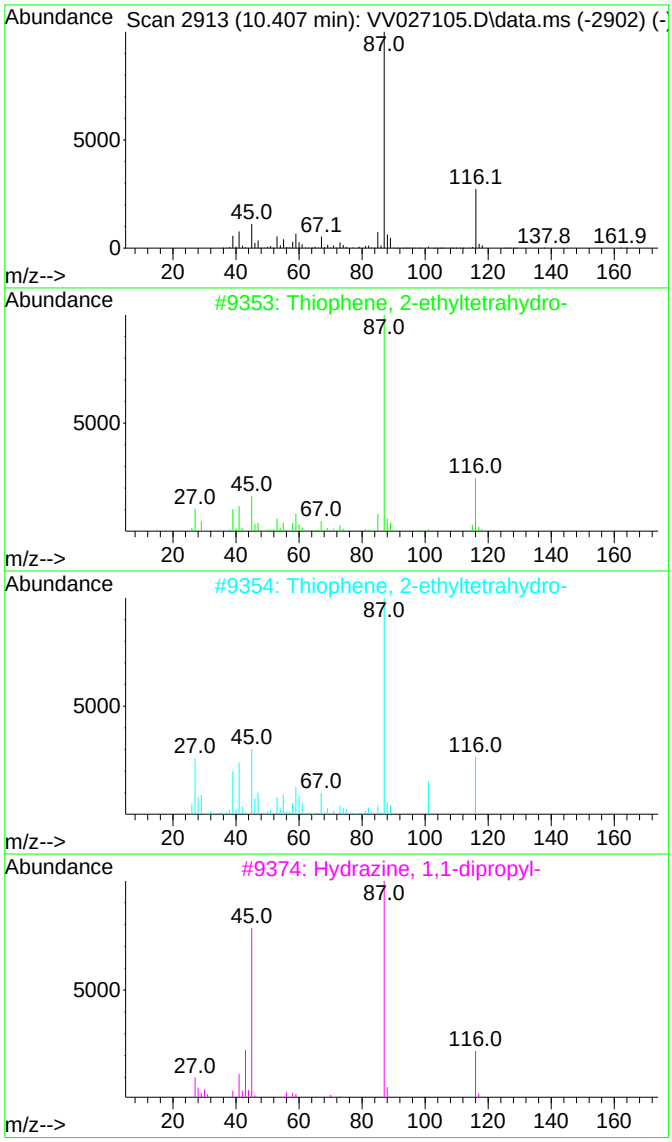
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

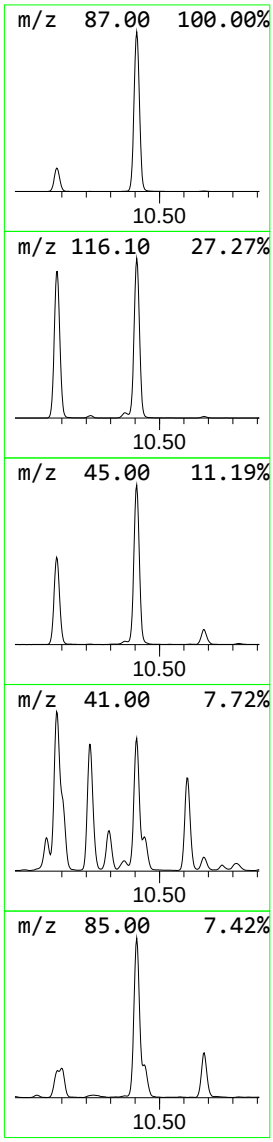
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Thiophene, 2-ethyltetrahydro- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.407	327.03 ug/L	13465300	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 2-ethyltetrahydro-	116	C6H12S	001551-32-2	91
2	Thiophene, 2-ethyltetrahydro-	116	C6H12S	001551-32-2	83
3	Hydrazine, 1,1-dipropyl-	116	C6H16N2	004986-50-9	59
4	Hydrazine, 1-ethyl-1-(1-methylpr...	116	C6H16N2	020325-97-7	50
5	Hydrazine, 1,1-dipropyl-	116	C6H16N2	004986-50-9	42





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027105.D
Acq On : 30 Jul 2022 00:16
Operator : SY/MD
Sample : N3956-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF01

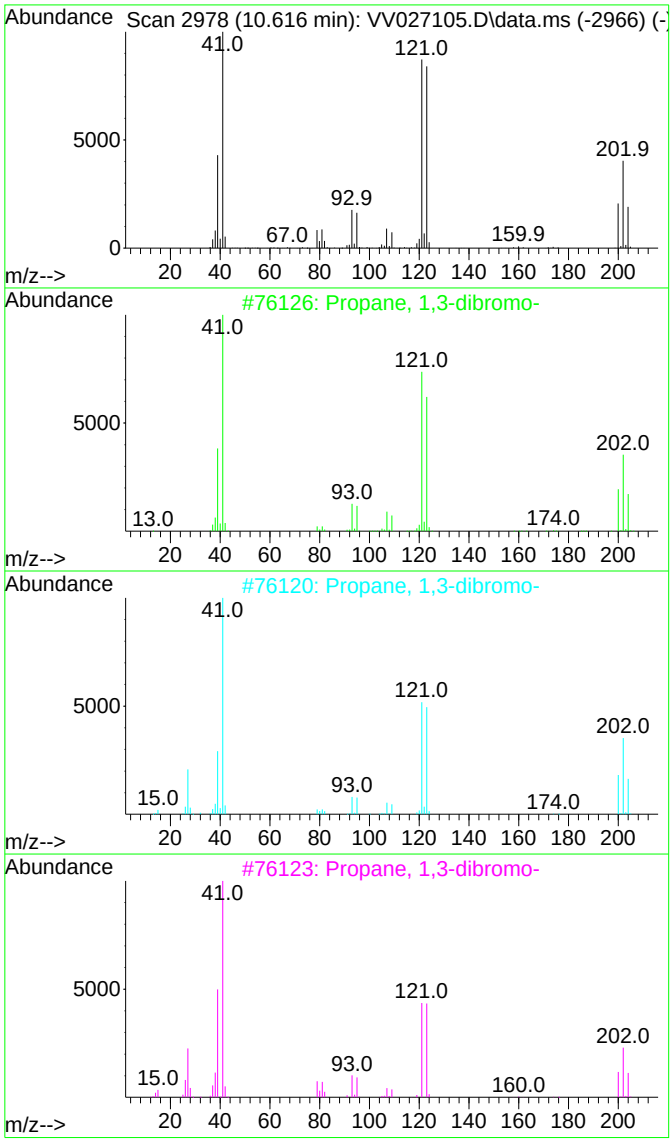
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

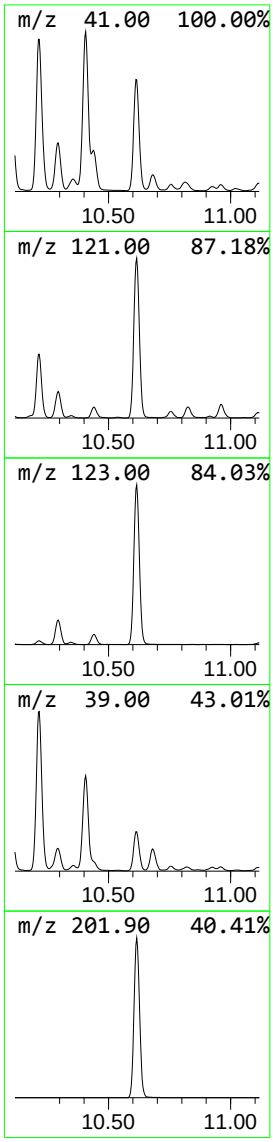
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Propane, 1,3-dibromo- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.616	39.70 ug/L	1634490	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1,3-dibromo-	200	C3H6Br2	000109-64-8	98
2	Propane, 1,3-dibromo-	200	C3H6Br2	000109-64-8	96
3	Propane, 1,3-dibromo-	200	C3H6Br2	000109-64-8	96
4	Propane, 1,3-dibromo-	200	C3H6Br2	000109-64-8	93
5	Propane, 1,2-dibromo-	200	C3H6Br2	000078-75-1	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027105.D
Acq On : 30 Jul 2022 00:16
Operator : SY/MD
Sample : N3956-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF01

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

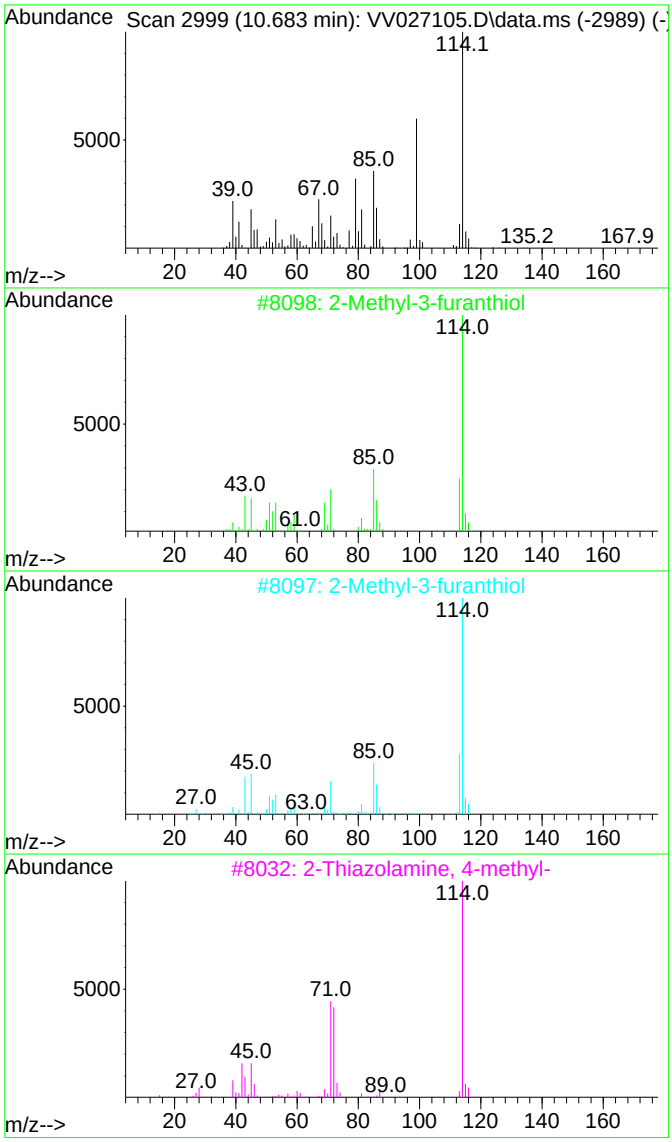
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

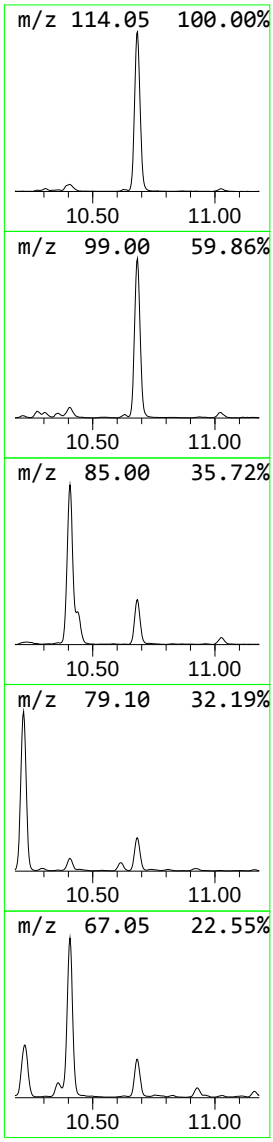
****

Peak Number 20 unknown-01 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.683	42.56 ug/L	1752390	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyl-3-furanthiol	114	C5H6OS	028588-74-1	46
2	2-Methyl-3-furanthiol	114	C5H6OS	028588-74-1	45
3	2-Thiazolamine, 4-methyl-	114	C4H6N2S	001603-91-4	38
4	Thiophene, 3-methoxy-	114	C5H6OS	017573-92-1	38
5	Propanal, 2-methyl-, ethylhydrazone	114	C6H14N2	020607-77-6	37





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027105.D
Acq On : 30 Jul 2022 00:16
Operator : SY/MD
Sample : N3956-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF01

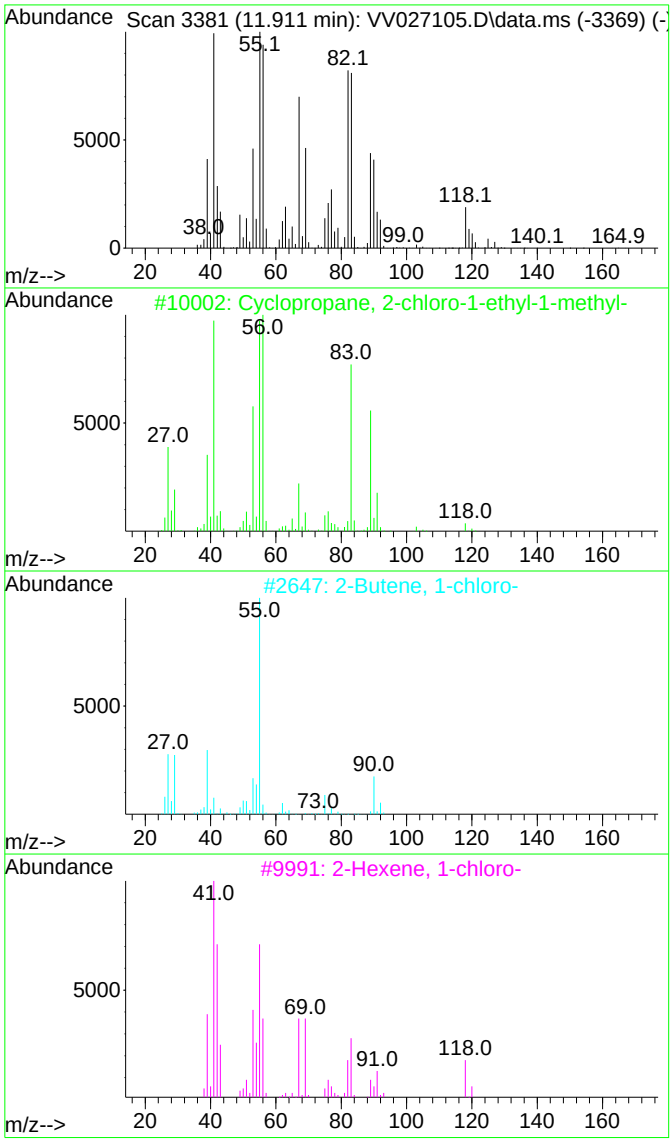
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

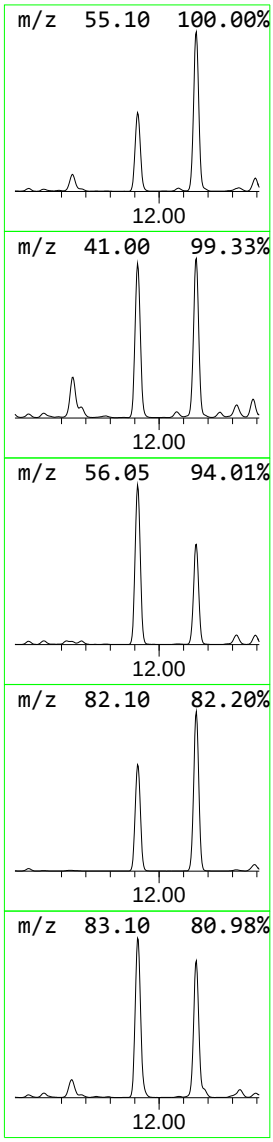
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 Cyclopropane, 2-chloro-1-et... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.911	212.25 ug/L	8739220	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 2-chloro-1-ethyl-1...	118	C6H11Cl	343926-09-0	50
2	2-Butene, 1-chloro-	90	C4H7Cl	000591-97-9	38
3	2-Hexene, 1-chloro-	118	C6H11Cl	035911-16-1	35
4	Furan, 3-methyl-	82	C5H6O	000930-27-8	27
5	(Z)-(Z)-Hex-3-en-1-yl 2-methylbu...	182	C11H18O2	084060-80-0	22





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027105.D
Acq On : 30 Jul 2022 00:16
Operator : SY/MD
Sample : N3956-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF01

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

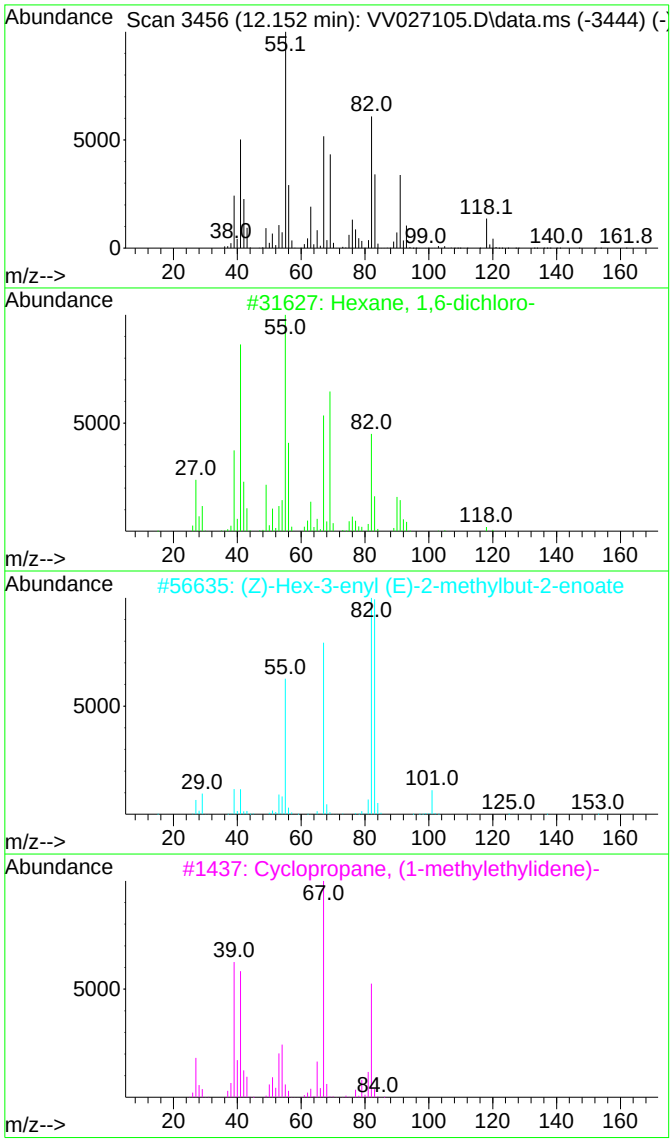
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

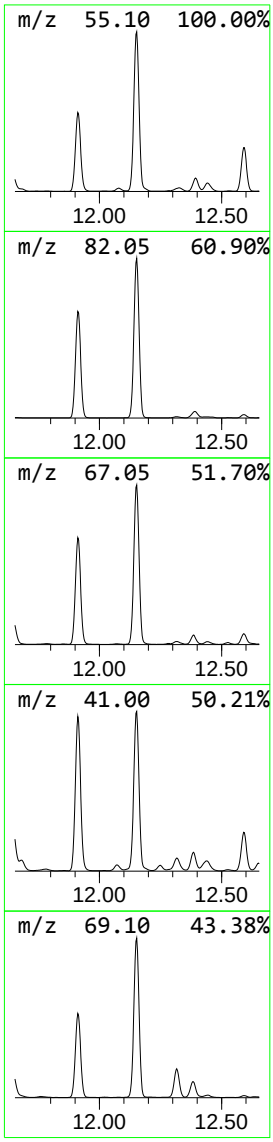
****

Peak Number 30 unknown-02 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.153	250.88 ug/L	10330100	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 1,6-dichloro-	154	C6H12Cl2	002163-00-0	45
2	(Z)-Hex-3-enyl (E)-2-methylbut-2...	182	C11H18O2	067883-79-8	35
3	Cyclopropane, (1-methylethylidene)-	82	C6H10	004741-86-0	35
4	(Z)-(Z)-Hex-3-en-1-yl 2-methylbu...	182	C11H18O2	084060-80-0	32
5	1,3-Pentadiene, 2-methyl-, (E)-	82	C6H10	000926-54-5	30





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027105.D
Acq On : 30 Jul 2022 00:16
Operator : SY/MD
Sample : N3956-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF01

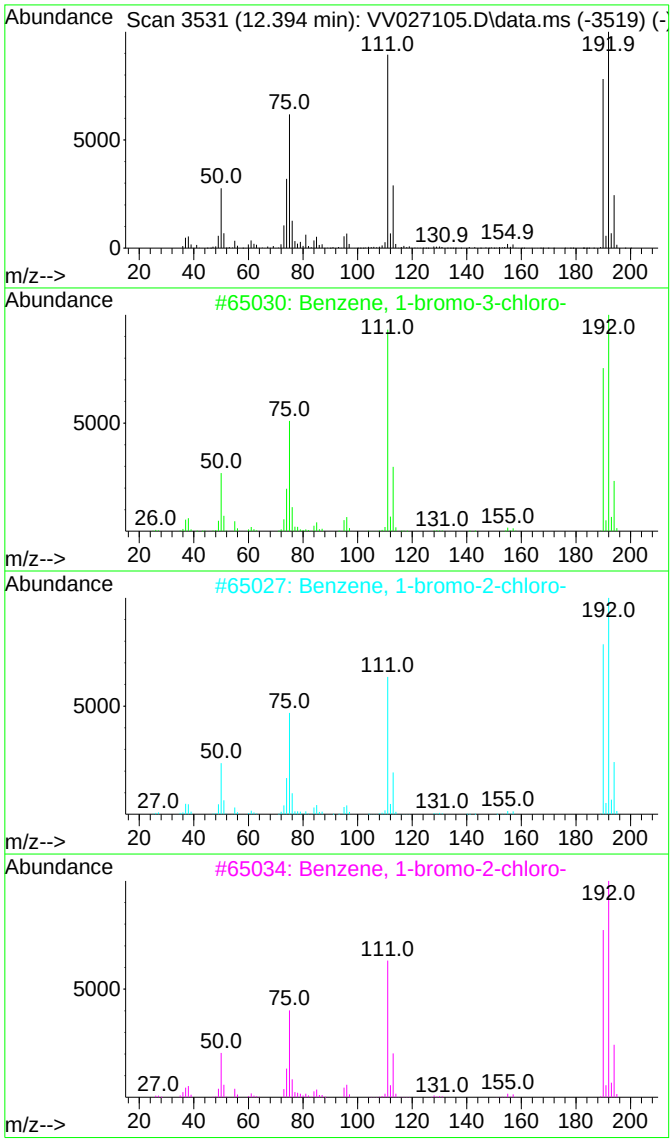
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

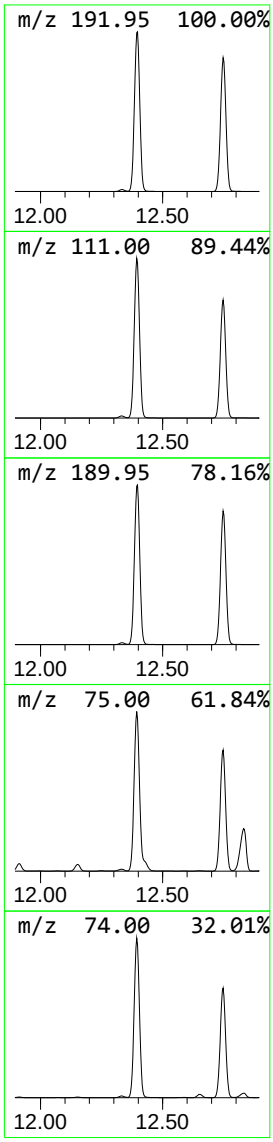
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 32 Benzene, 1-bromo-3-chloro- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.394	605.41 ug/L	24927600	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-bromo-3-chloro-	190	C6H4BrCl	000108-37-2	99
2	Benzene, 1-bromo-2-chloro-	190	C6H4BrCl	000694-80-4	98
3	Benzene, 1-bromo-2-chloro-	190	C6H4BrCl	000694-80-4	98
4	Benzene, 1-bromo-3-chloro-	190	C6H4BrCl	000108-37-2	98
5	Benzene, 1-bromo-4-chloro-	190	C6H4BrCl	000106-39-8	98





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027105.D
Acq On : 30 Jul 2022 00:16
Operator : SY/MD
Sample : N3956-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF01

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

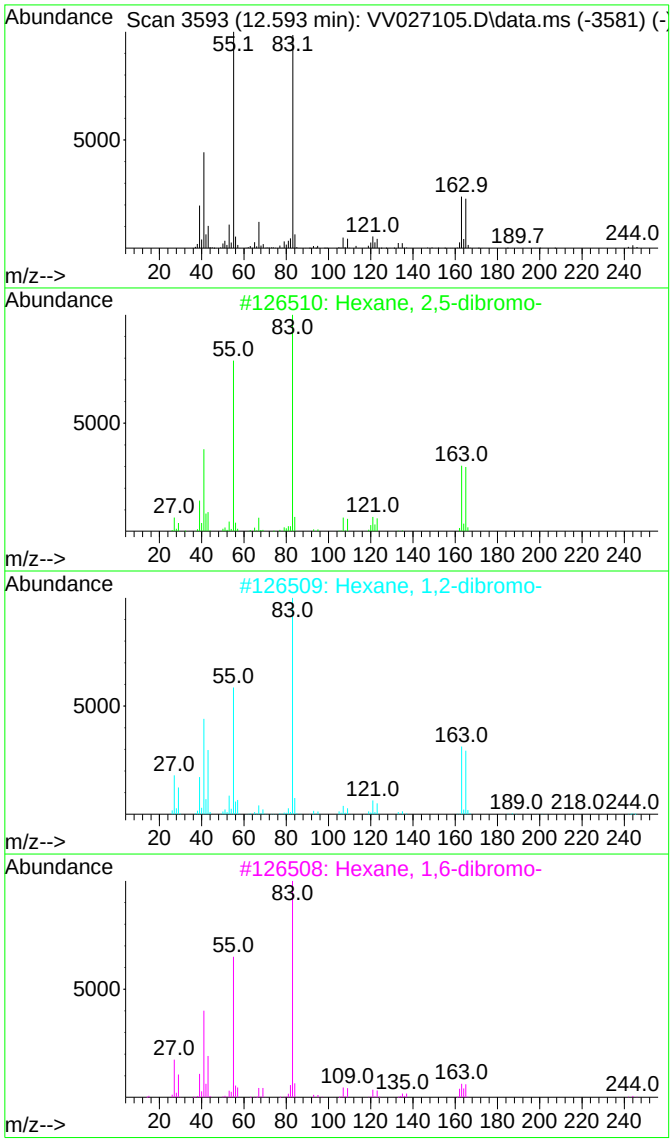
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

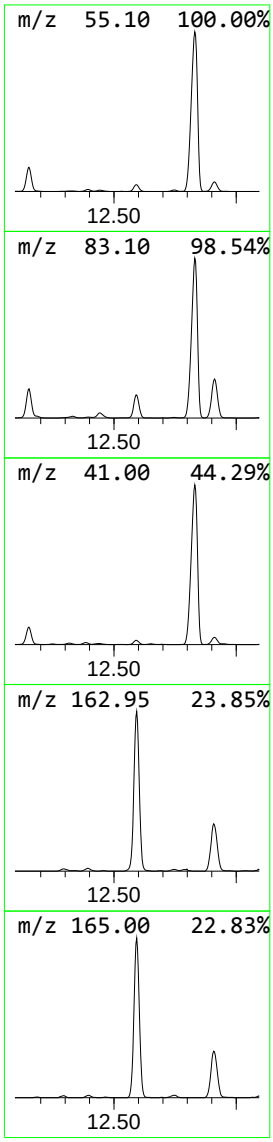
****

Peak Number 33 Hexane, 2,5-dibromo- Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.593	49.23 ug/L	2027020	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,5-dibromo-	242	C6H12Br2	024774-58-1	86
2	Hexane, 1,2-dibromo-	242	C6H12Br2	000624-20-4	86
3	Hexane, 1,6-dibromo-	242	C6H12Br2	000629-03-8	64
4	Hexane, 1-bromo-6-chloro-	198	C6H12BrCl	006294-17-3	50
5	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027105.D
Acq On : 30 Jul 2022 00:16
Operator : SY/MD
Sample : N3956-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF01

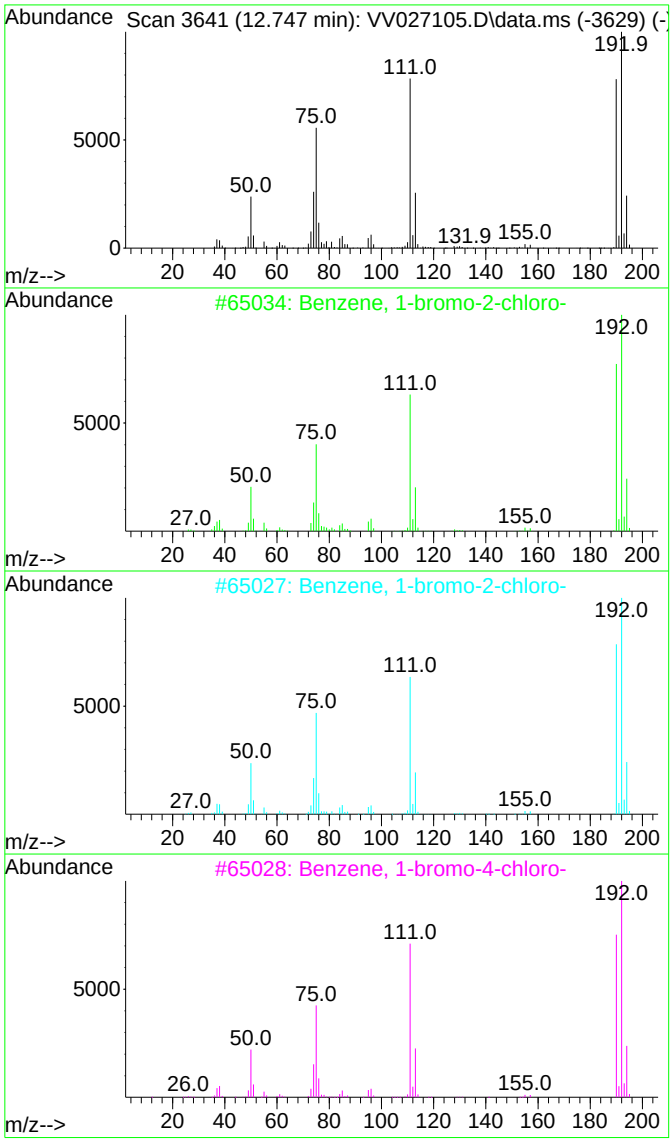
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

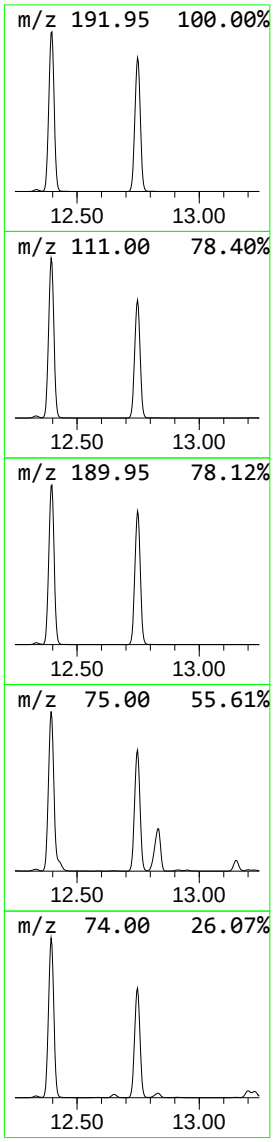
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 35 Benzene, 1-bromo-2-chloro- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.747	435.75 ug/L	17941900	1,4-Dichlorobenzene-d4	11.249

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027105.D
Acq On : 30 Jul 2022 00:16
Operator : SY/MD
Sample : N3956-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF01

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

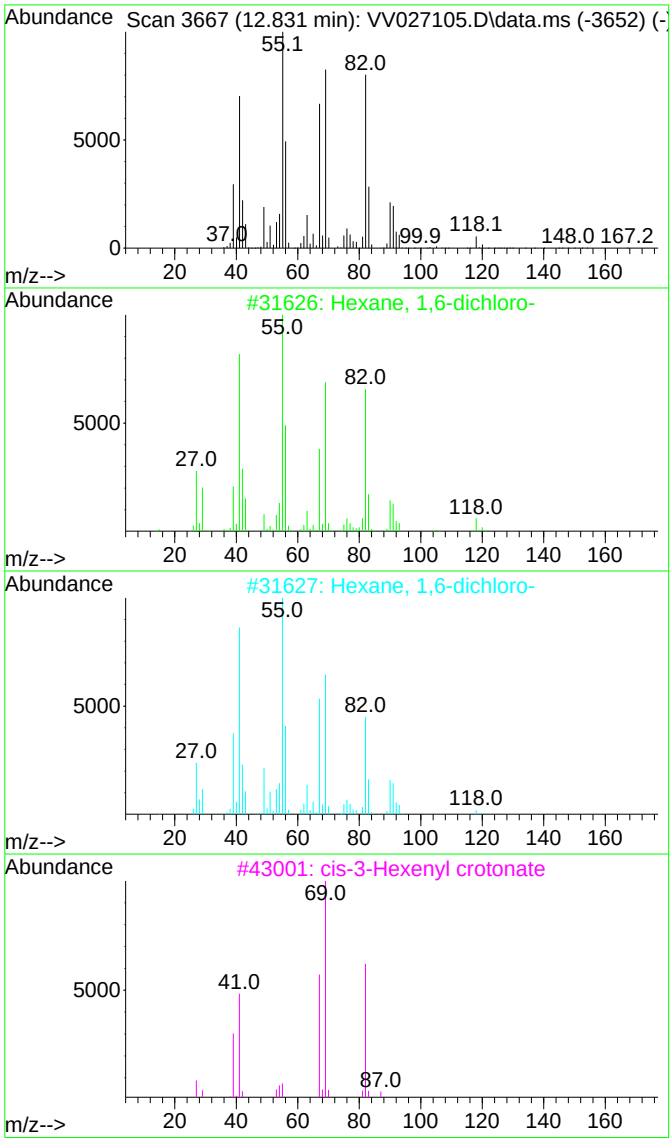
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

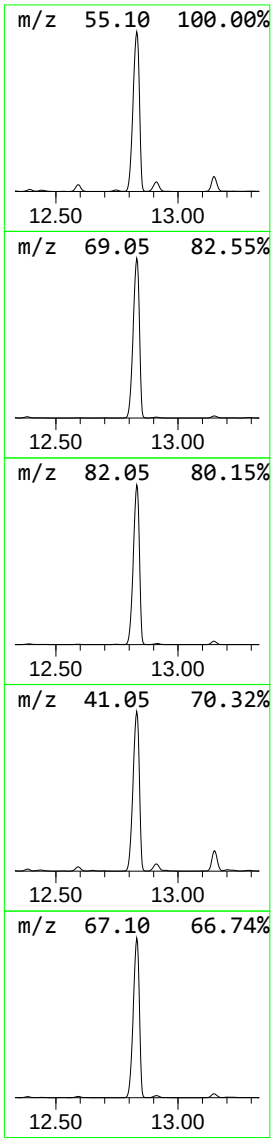
****

Peak Number 36 Hexane, 1,6-dichloro- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.831	2276.34 ug/L	93727900	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 1,6-dichloro-	154	C6H12Cl2	002163-00-0	90
2	Hexane, 1,6-dichloro-	154	C6H12Cl2	002163-00-0	83
3	cis-3-Hexenyl crotonate	168	C10H16O2	1000429-17-4	47
4	2-Butenoic acid, 3-hexenyl ester...	168	C10H16O2	065405-80-3	47
5	Chloroacetic acid, 6-chlorohexyl...	212	C8H14Cl2O2	1000330-85-5	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027105.D
Acq On : 30 Jul 2022 00:16
Operator : SY/MD
Sample : N3956-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF01

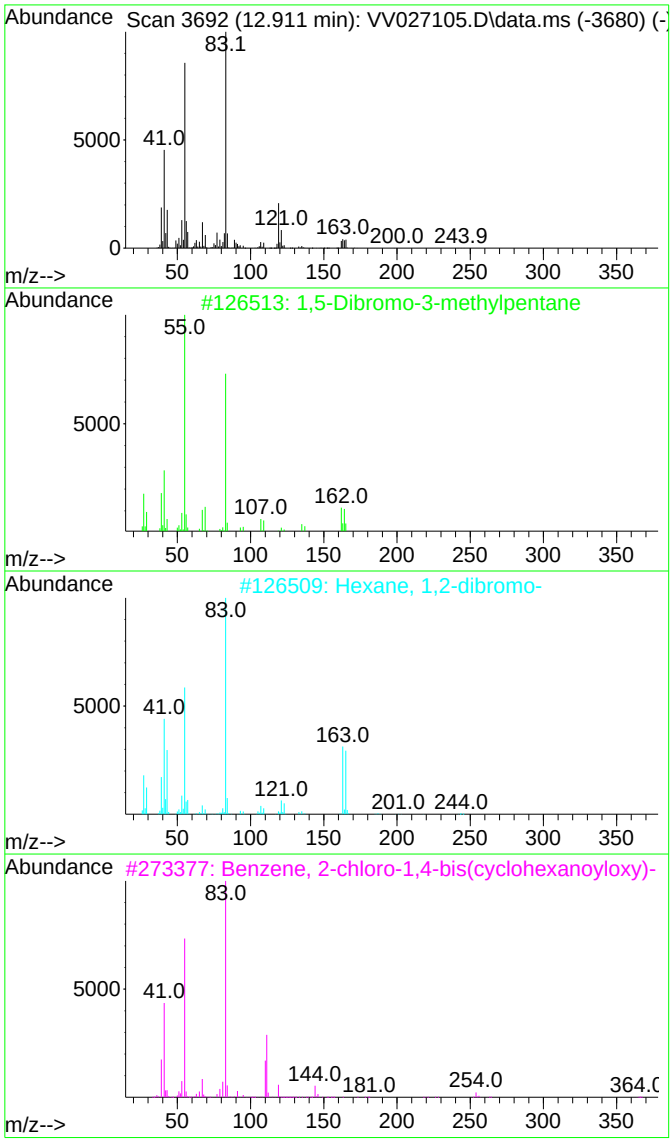
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

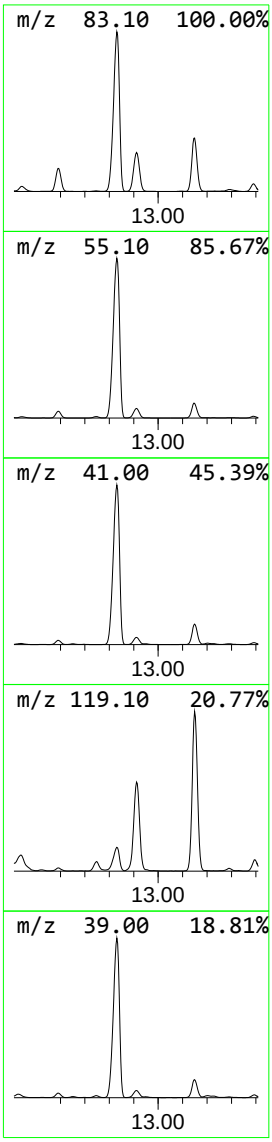
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 37 1,5-Dibromo-3-methylpentane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.911	94.55 ug/L	3893080	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,5-Dibromo-3-methylpentane	242	C6H12Br2	004457-72-1	59
2	Hexane, 1,2-dibromo-	242	C6H12Br2	000624-20-4	59
3	Benzene, 2-chloro-1,4-bis(cycloh...	364	C20H25ClO4	294874-04-7	53
4	Cyclopropane, 1,1,2,2-tetramethyl-	98	C7H14	004127-47-3	50
5	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027105.D
Acq On : 30 Jul 2022 00:16
Operator : SY/MD
Sample : N3956-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF01

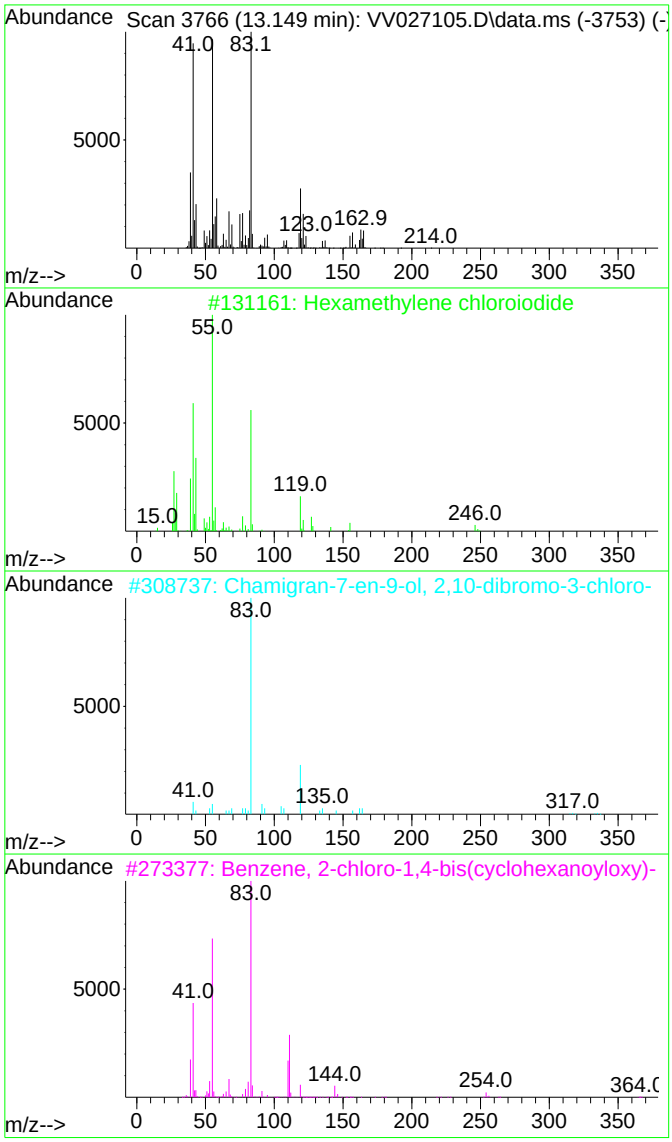
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

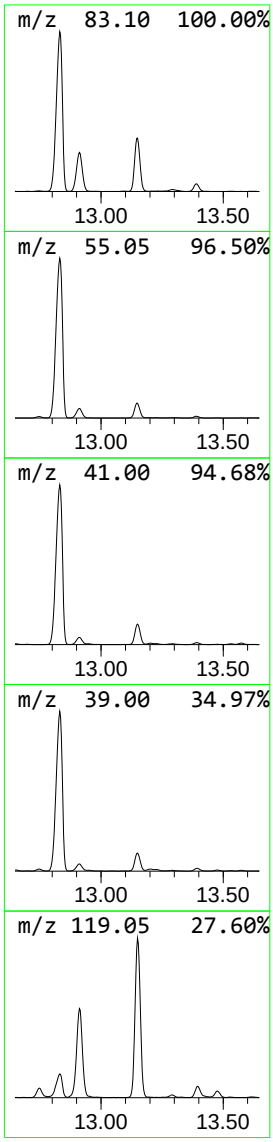
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 38 Hexamethylene chloroiodide Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.149	180.04 ug/L	7413290	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexamethylene chloroiodide	246	C6H12ClI	034683-73-3	59
2	Chamigran-7-en-9-ol, 2,10-dibrom...	412	C15H23Br2ClO	1000139-03-8	50
3	Benzene, 2-chloro-1,4-bis(cycloh...	364	C20H25ClO4	294874-04-7	47
4	5-Bromo-2-methyl-2-pentene	162	C6H11Br	002270-59-9	47
5	Hexane, 1-bromo-6-chloro-	198	C6H12BrCl	006294-17-3	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027105.D
Acq On : 30 Jul 2022 00:16
Operator : SY/MD
Sample : N3956-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF01

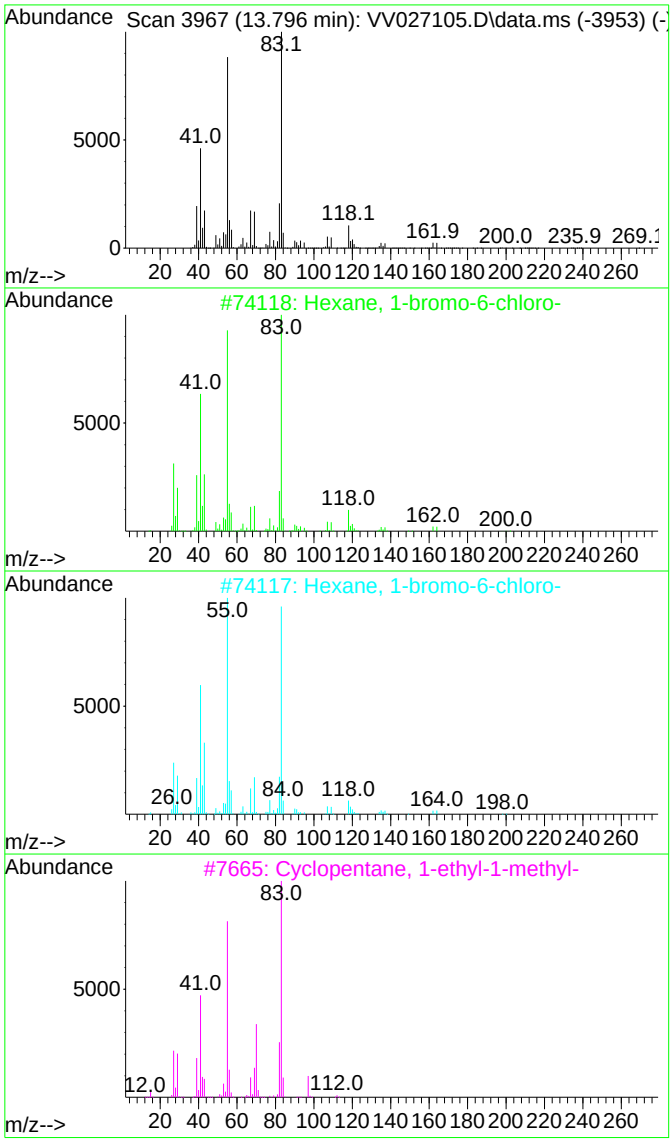
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

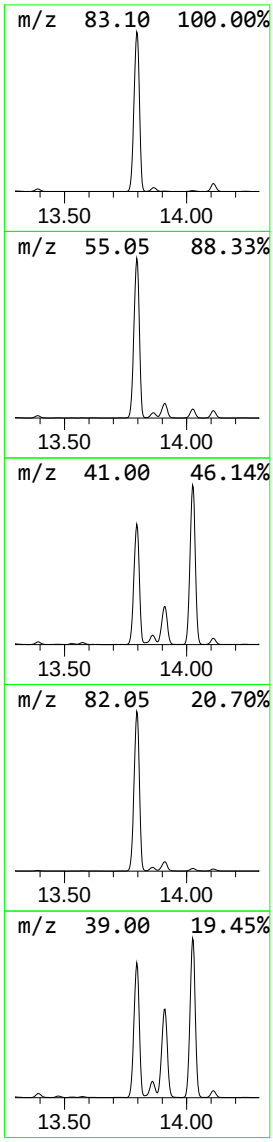
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 45 Hexane, 1-bromo-6-chloro- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.796	1096.84 ug/L	45162100	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 1-bromo-6-chloro-	198	C6H12BrCl	006294-17-3	95
2	Hexane, 1-bromo-6-chloro-	198	C6H12BrCl	006294-17-3	72
3	Cyclopentane, 1-ethyl-1-methyl-	112	C8H16	016747-50-5	59
4	Hexane, 1,6-dibromo-	242	C6H12Br2	000629-03-8	59
5	Ethanone, 1-(1-methylcyclopentyl)-	126	C8H14O	013388-93-7	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027105.D
Acq On : 30 Jul 2022 00:16
Operator : SY/MD
Sample : N3956-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF01

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

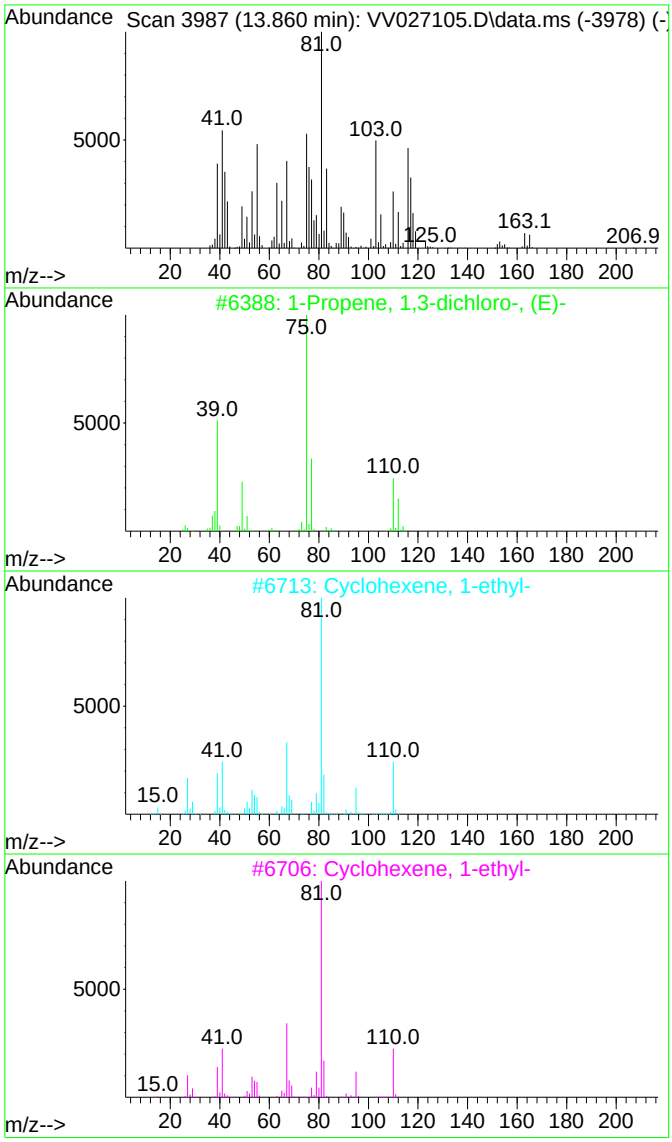
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

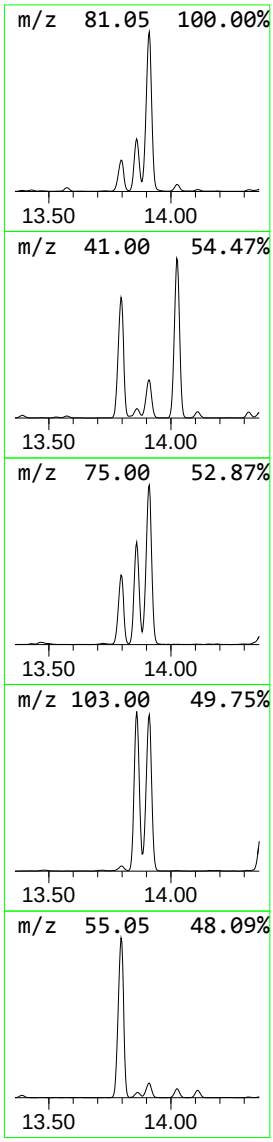
****

Peak Number 46 unknown-03 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.860	129.45 ug/L	5330070	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propene, 1,3-dichloro-, (E)-	110	C3H4Cl2	010061-02-6	30
2	Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	25
3	Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	25
4	1-Pentene, 5-chloro-4-(chloromet...	152	C6H10Cl2	027990-74-5	22
5	Cyclohexane, 1,4-dichloro-	152	C6H10Cl2	019398-57-3	22





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027105.D
Acq On : 30 Jul 2022 00:16
Operator : SY/MD
Sample : N3956-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF01

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

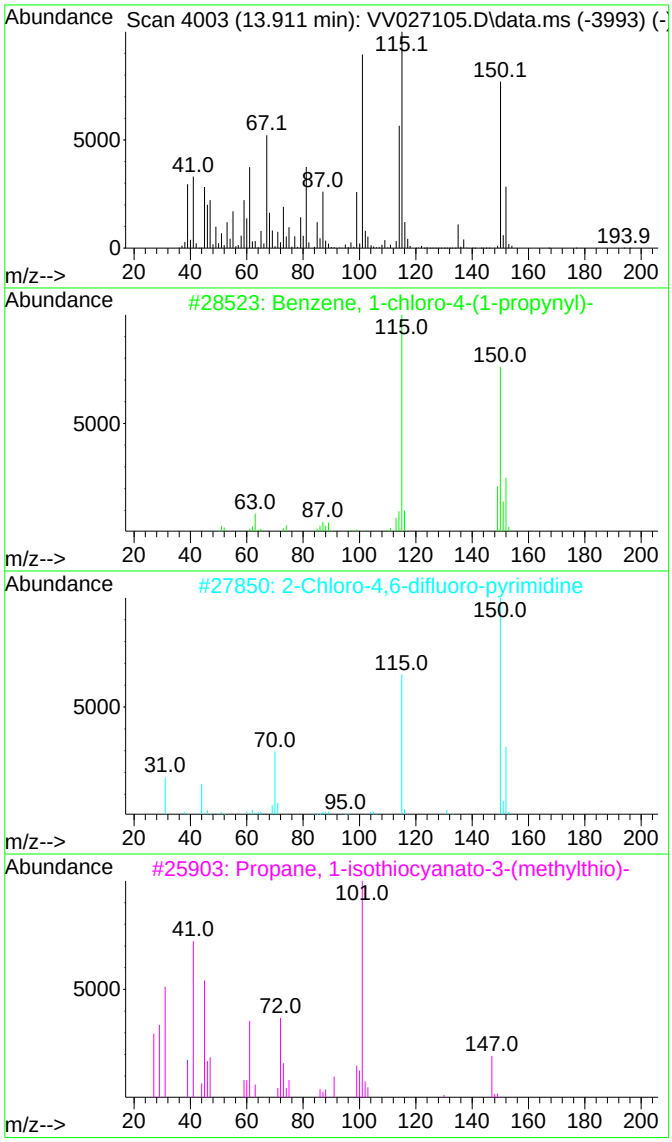
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

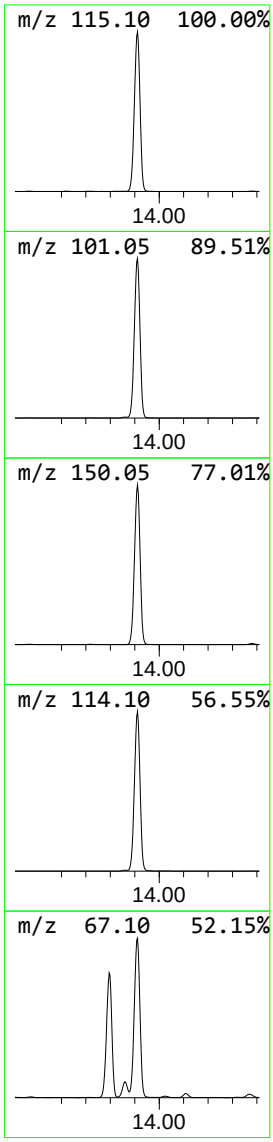
****

Peak Number 47 unknown-04 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.911	983.29 ug/L	40486700	1,4-Dichlorobenzene-d4	11.249

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	35
3	Propane, 1-isothiocyanato-3-(met...	147	C5H9NS2	000505-79-3	14
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 : VV027105.D
Acq On : 30 Jul 2022 00:16
Operator : SY/MD
Sample : N3956-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF01

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

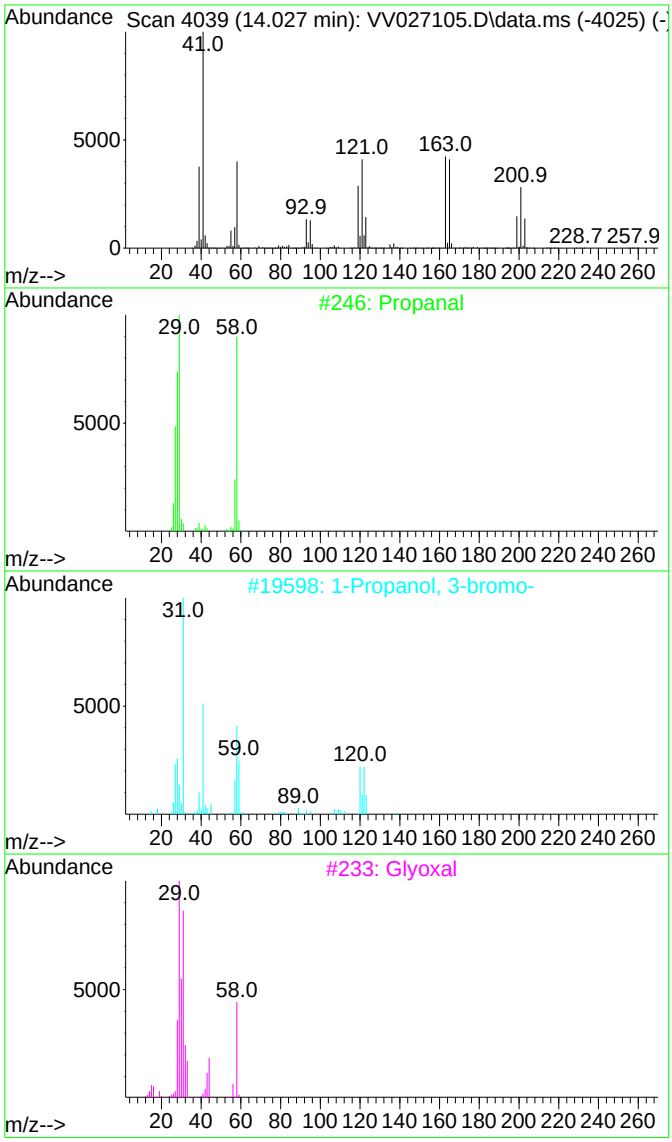
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

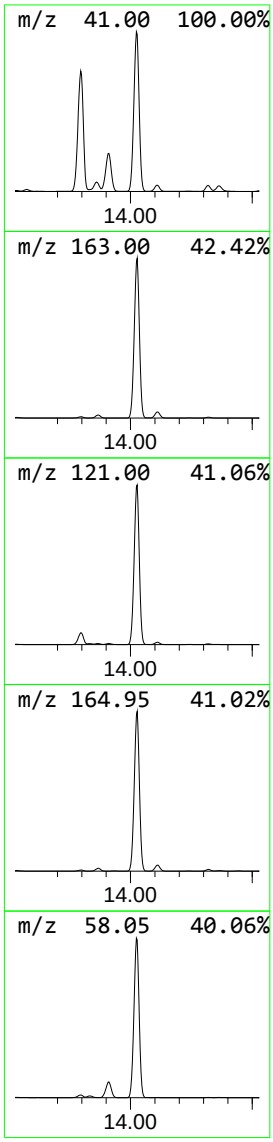
****

Peak Number 48 unknown-05 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.027	671.43 ug/L	27646200	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanal	58	C3H6O	000123-38-6	5
2	1-Propanol, 3-bromo-	138	C3H7BrO	000627-18-9	4
3	Glyoxal	58	C2H2O2	000107-22-2	4
4	Propylene oxide	58	C3H6O	000075-56-9	4
5	Propanal	58	C3H6O	000123-38-6	4





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027105.D
Acq On : 30 Jul 2022 00:16
Operator : SY/MD
Sample : N3956-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF01

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

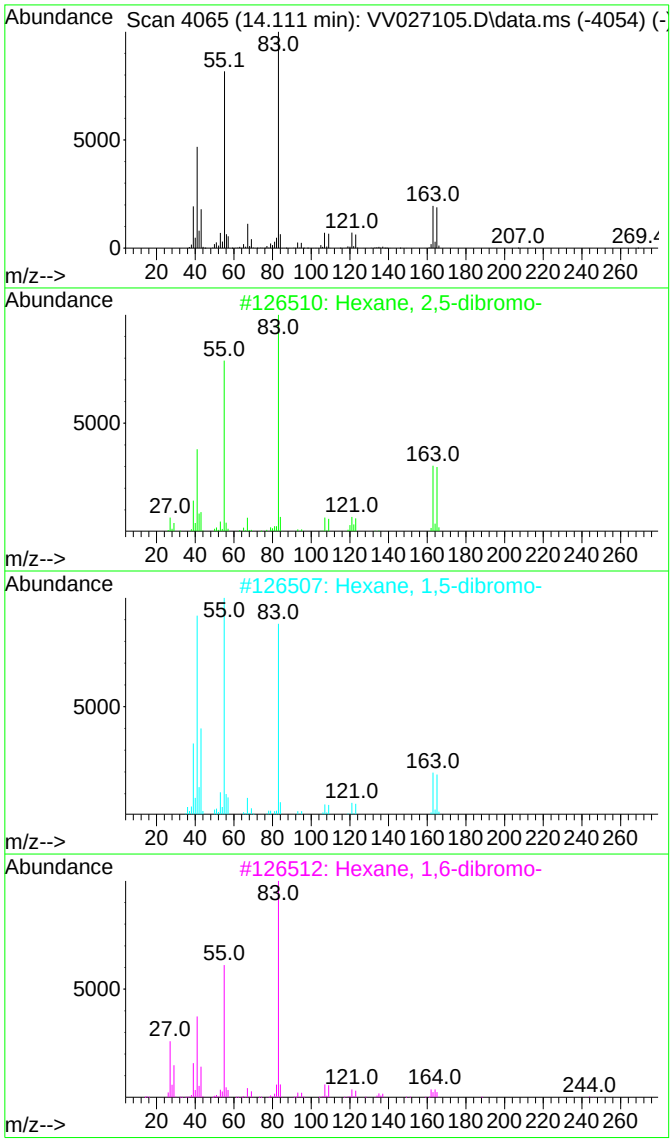
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

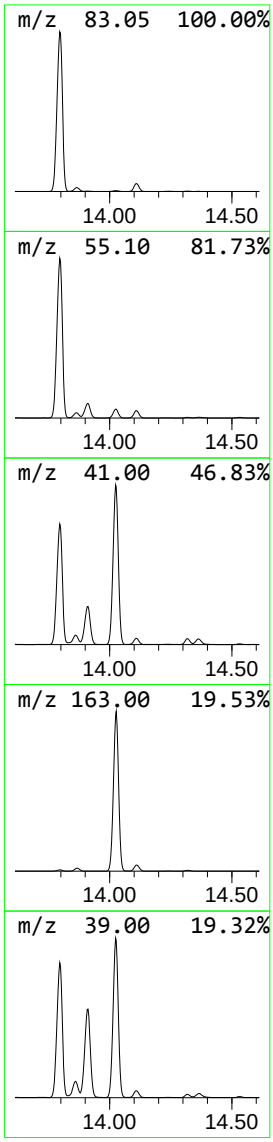
****

Peak Number 49 Hexane, 1,5-dibromo- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.111	46.91 ug/L	1931420	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,5-dibromo-	242	C6H12Br2	024774-58-1	83
2	Hexane, 1,5-dibromo-	242	C6H12Br2	000627-96-3	64
3	Hexane, 1,6-dibromo-	242	C6H12Br2	000629-03-8	64
4	Cyclopropane, 2-bromo-1,1,3-trim...	162	C6H11Br	036617-00-2	53
5	Propanedinitrile, dicyclohexyl-	230	C15H22N2	074764-28-6	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027105.D
Acq On : 30 Jul 2022 00:16
Operator : SY/MD
Sample : N3956-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF01

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

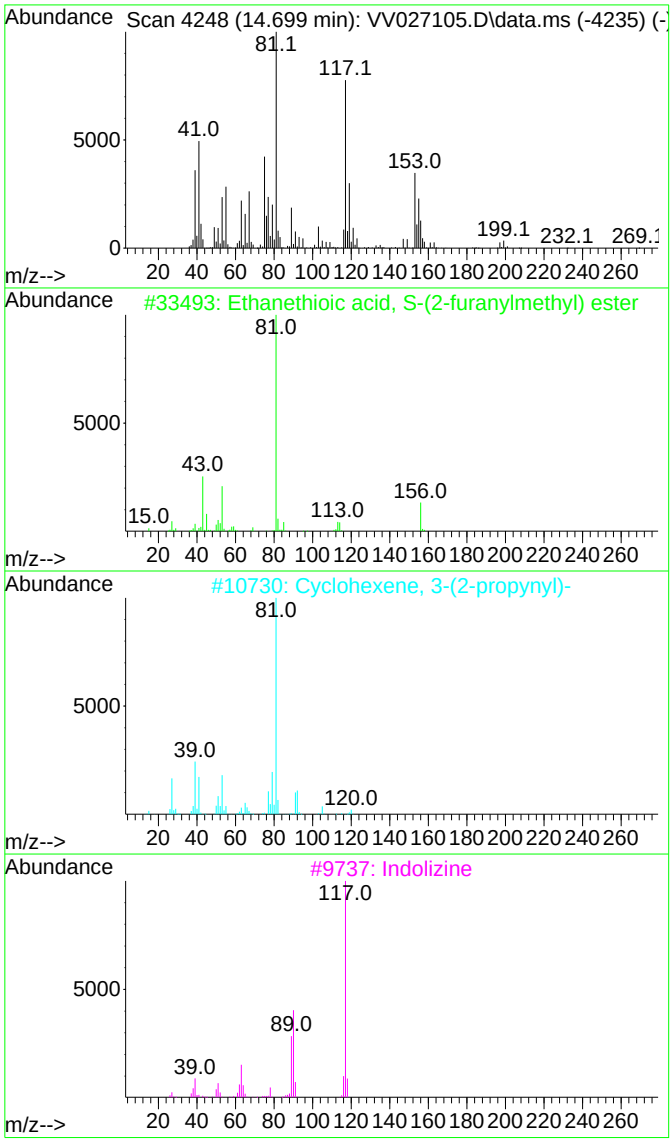
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

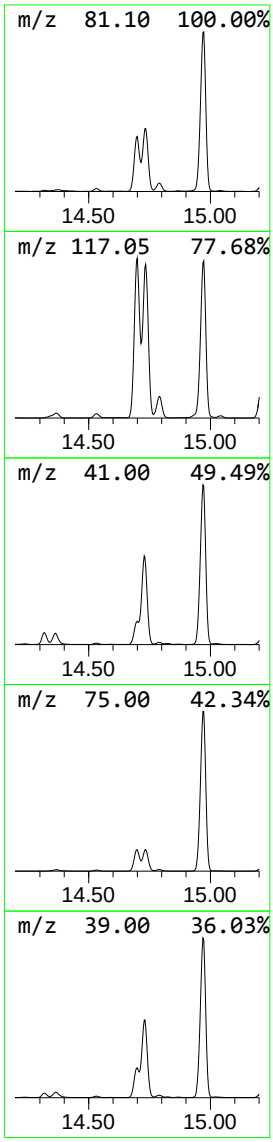
****

Peak Number 53 unknown-06 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.699	156.49 ug/L	6443420	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanethioic acid, S-(2-furanylm...	156	C7H8O2S	013678-68-7	14
2	Cyclohexene, 3-(2-propynyl)-	120	C9H12	055956-43-9	11
3	Indolizine	117	C8H7N	000274-40-8	11
4	Benzyl nitrile	117	C8H7N	000140-29-4	11
5	Benzyl nitrile	117	C8H7N	000140-29-4	11





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027105.D
Acq On : 30 Jul 2022 00:16
Operator : SY/MD
Sample : N3956-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF01

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

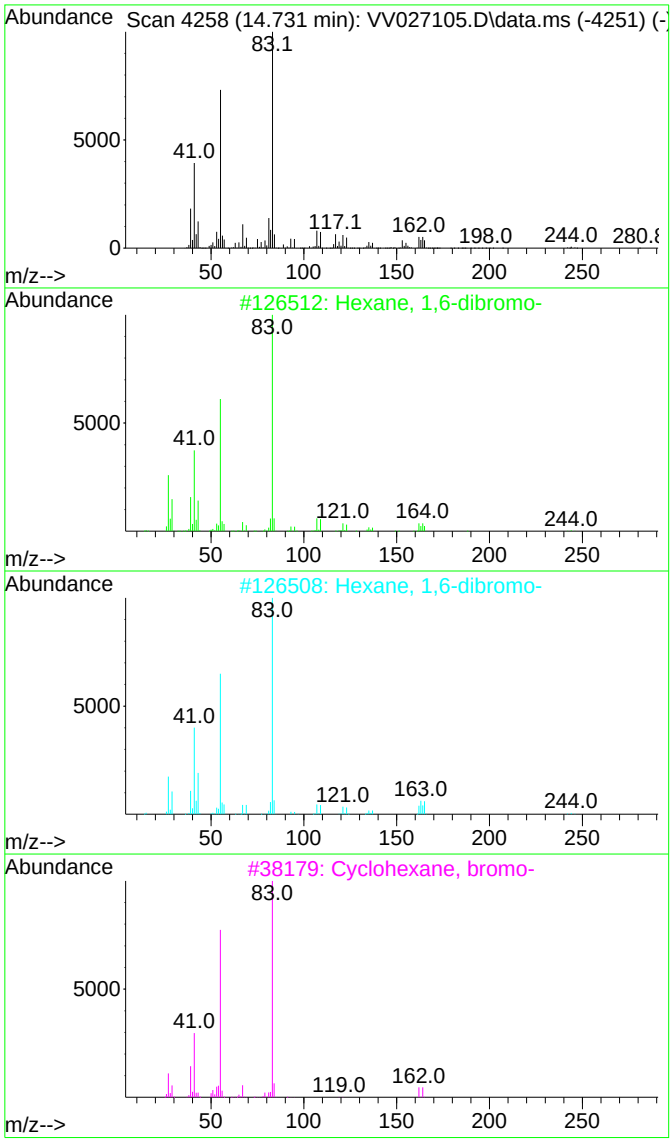
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

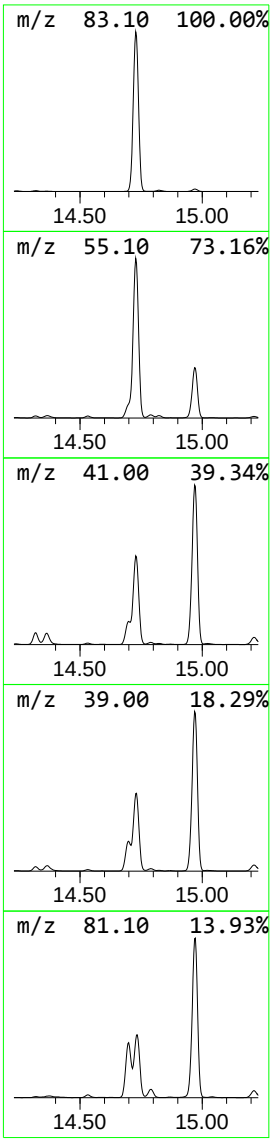
****

Peak Number 54 Hexane, 1,6-dibromo- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.731	465.05 ug/L	19148400	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 1,6-dibromo-	242	C6H12Br2	000629-03-8	96
2	Hexane, 1,6-dibromo-	242	C6H12Br2	000629-03-8	91
3	Cyclohexane, bromo-	162	C6H11Br	000108-85-0	72
4	Calealactone E	362	C20H26O6	094663-21-5	72
5	Hexane, 1,2-dibromo-	242	C6H12Br2	000624-20-4	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027105.D
Acq On : 30 Jul 2022 00:16
Operator : SY/MD
Sample : N3956-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF01

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

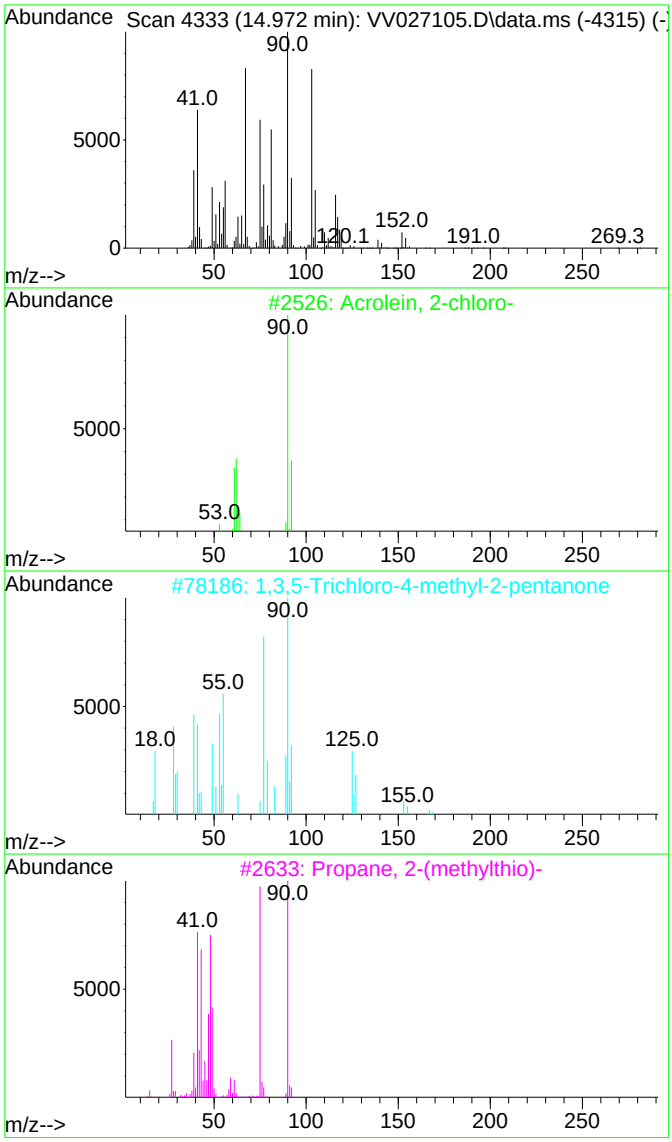
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

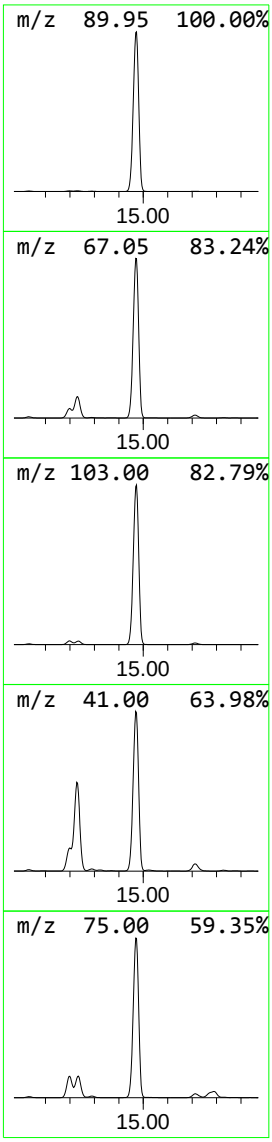
****

Peak Number 56 unknown-07 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.972	1001.96 ug/L	41255500	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acrolein, 2-chloro-	90	C3H3ClO	000683-51-2	37
2	1,3,5-Trichloro-4-methyl-2-penta...	202	C6H9Cl3O	1000140-03-8	25
3	Propane, 2-(methylthio)-	90	C4H10S	001551-21-9	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 : VV027105.D
Acq On : 30 Jul 2022 00:16
Operator : SY/MD
Sample : N3956-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF01

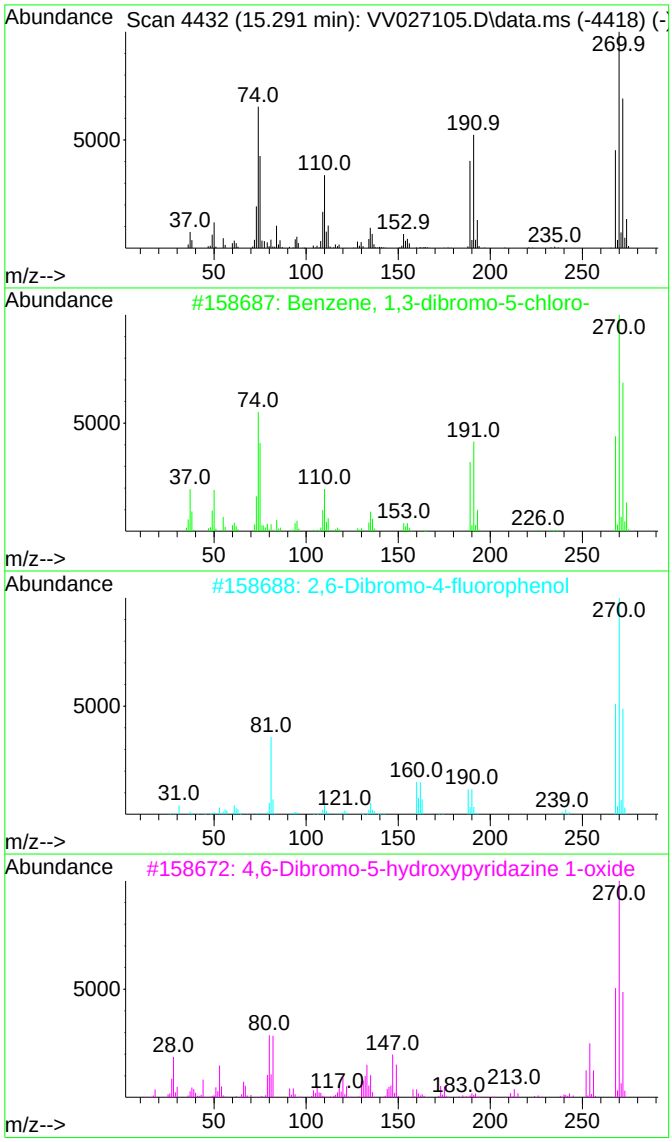
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

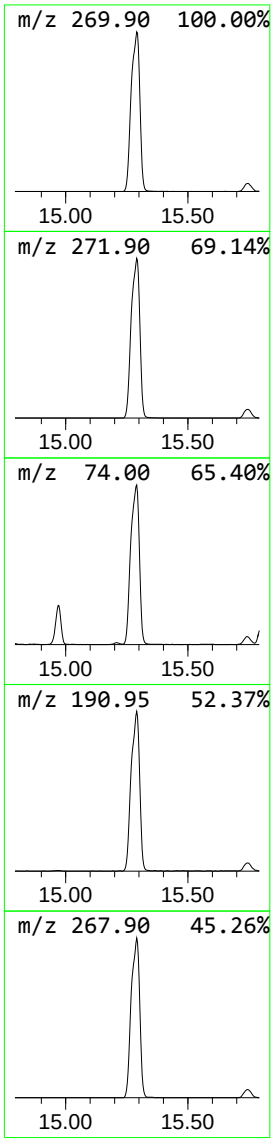
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 58 Benzene, 1,3-dibromo-5-chloro- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.291	53.88 ug/L	2218500	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dibromo-5-chloro-	268	C6H3Br2Cl	014862-52-3	94
2	2,6-Dibromo-4-fluorophenol	268	C6H3Br2FO	000344-20-7	38
3	4,6-Dibromo-5-hydroxypyridazine ...	268	C4H2Br2N2O2	019971-61-0	27
4	Pyrimidine, 4,6-dichloro-2-(meth...	270	C11H8Cl2N2S	064415-11-8	12
5	Carboxamide, seleno-2-thienyl-	191	C5H5NSSe	054679-69-5	11





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027105.D
Acq On : 30 Jul 2022 00:16
Operator : SY/MD
Sample : N3956-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF01

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

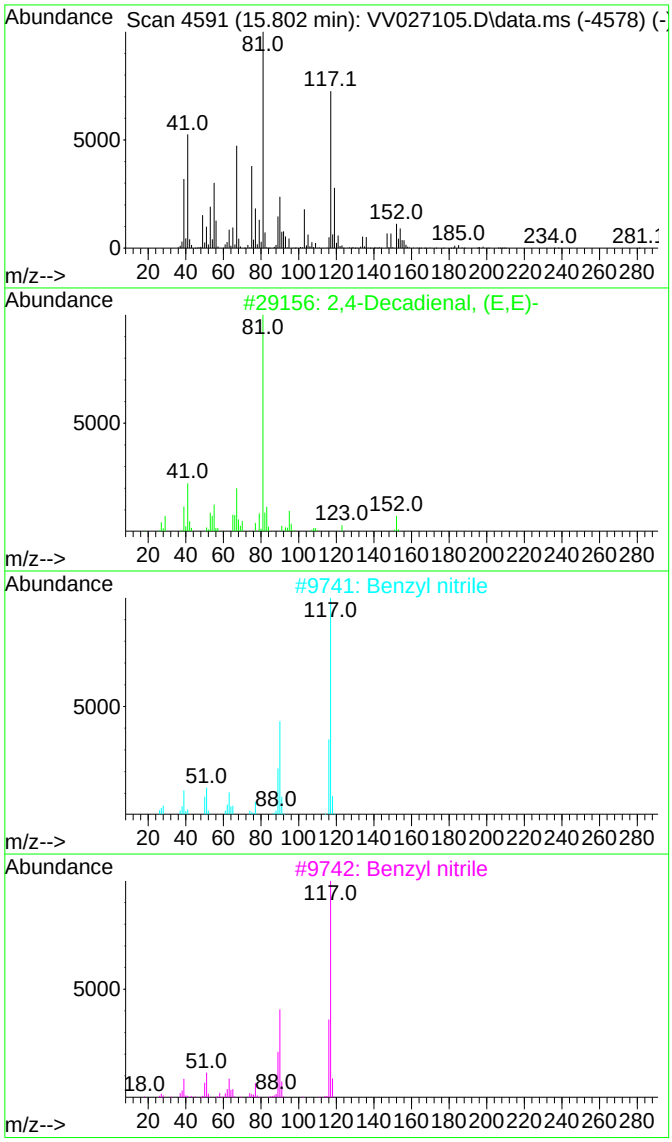
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

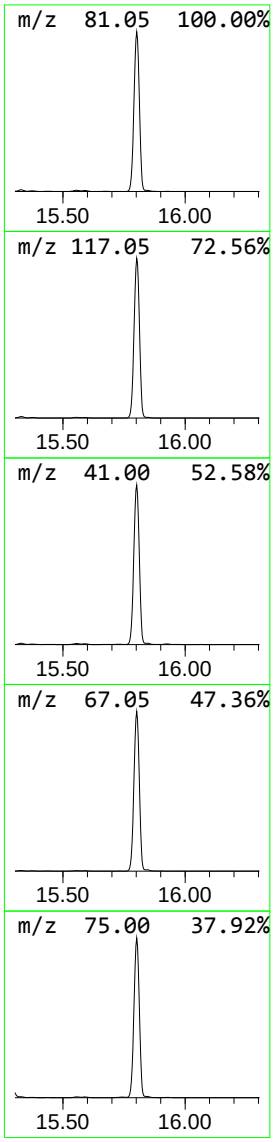
****

Peak Number 60 unknown08 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.802	696.17 ug/L	28664700	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Decadienal, (E,E)-	152	C10H16O	025152-84-5	38
2	Benzyl nitrile	117	C8H7N	000140-29-4	25
3	Benzyl nitrile	117	C8H7N	000140-29-4	25
4	2-Furanacetaldehyde, .alpha.-pro...	152	C9H12O2	031681-26-2	22
5	2,3-Diazabicyclo[2.2.1]hept-2-en...	124	C7H12N2	071312-54-4	22





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027105.D
Acq On : 30 Jul 2022 00:16
Operator : SY/MD
Sample : N3956-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF01

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
Cyclopropene	1.101	3360.0	ug/L	87119000	1	5.616	1296410	50.0
Vinyl bromide	1.703	31.2	ug/L	808809	1	5.616	1296410	50.0
2-Propenal	2.047	126.7	ug/L	3285480	1	5.616	1296410	50.0
(DEL) Alkane: S...	2.568	11.1	ug/L	286613	1	5.616	1296410	50.0
Isopropenyl bro...	2.651	33.8	ug/L	876534	1	5.616	1296410	50.0
(DEL) Alkane: C...	3.754	9.4	ug/L	243946	1	5.616	1296410	50.0
Thietane	6.375	62.4	ug/L	1616940	1	5.616	1296410	50.0
Ethane, 1-bromo...	6.844	39.4	ug/L	1020220	1	5.616	1296410	50.0
2H-Pyran, tetra...	6.899	572.6	ug/L	14845600	1	5.616	1296410	50.0
Propane, 1,3-di...	8.024	46.3	ug/L	76312700	2	8.854	82429400	50.0
2H-Thiopyran, t...	10.079	356.6	ug/L	14682500	3	11.249	2058740	50.0
Thiophene, 2-et...	10.407	327.0	ug/L	13465300	3	11.249	2058740	50.0
Propane, 1,3-di...	10.616	39.7	ug/L	1634490	3	11.249	2058740	50.0
unknown-01	10.683	42.6	ug/L	1752390	3	11.249	2058740	50.0
Cyclopropane, 2...	11.911	212.3	ug/L	8739220	3	11.249	2058740	50.0
unknown-02	12.153	250.9	ug/L	10330100	3	11.249	2058740	50.0
Benzene, 1-brom...	12.394	605.4	ug/L	24927600	3	11.249	2058740	50.0
Hexane, 2,5-dib...	12.593	49.2	ug/L	2027020	3	11.249	2058740	50.0
Benzene, 1-brom...	12.747	435.8	ug/L	17941900	3	11.249	2058740	50.0
Hexane, 1,6-dic...	12.831	2276.3	ug/L	93727900	3	11.249	2058740	50.0
1,5-Dibromo-3-m...	12.911	94.5	ug/L	3893080	3	11.249	2058740	50.0
Hexamethylene c...	13.149	180.0	ug/L	7413290	3	11.249	2058740	50.0
Hexane, 1-bromo...	13.796	1096.8	ug/L	45162100	3	11.249	2058740	50.0
unknown-03	13.860	129.4	ug/L	5330070	3	11.249	2058740	50.0
unknown-04	13.911	983.3	ug/L	40486700	3	11.249	2058740	50.0
unknown-05	14.027	671.4	ug/L	27646200	3	11.249	2058740	50.0
Hexane, 1,5-dib...	14.111	46.9	ug/L	1931420	3	11.249	2058740	50.0
unknown-06	14.699	156.5	ug/L	6443420	3	11.249	2058740	50.0
Hexane, 1,6-dib...	14.731	465.1	ug/L	19148400	3	11.249	2058740	50.0
unknown-07	14.972	1002.0	ug/L	41255500	3	11.249	2058740	50.0
Benzene, 1,3-di...	15.291	53.9	ug/L	2218500	3	11.249	2058740	50.0
unknown08	15.802	696.2	ug/L	28664700	3	11.249	2058740	50.0