LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027108.D
Acq On : 30 Jul 2022 01:30
Operator : SY/MD
Sample : N3956-07
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF04

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: VV027108.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.105	13	20	36	rBV	35134985	37664593	25.45%	4.735%
2	1.169	37	40	44	rVV2	415241	462961	0.31%	0.058%
3	1.198	44	49	73	rVV	2264789	2478718	1.67%	0.312%
4	1.301	74	81	100	rVB	321268	392595	0.27%	0.049%
5	1.564	155	163	175	rVB	258673	307992	0.21%	0.039%
6	1.773	220	228	236	rBV	51861	64090	0.04%	0.008%
7	2.060	306	317	323	rBV2	327874	466126	0.31%	0.059%
8	2.101	323	330	344	rVB	556361	793032	0.54%	0.100%
9	2.188	344	357	379	rBV2	211141	389152	0.26%	0.049%
10	2.433	425	433	438	rBV	28106	45293	0.03%	0.006%
11	2.471	438	445	449	rBV2	41752	56302	0.04%	0.007%
12	2.571	471	476	492	rVB3	59983	113237	0.08%	0.014%
13	2.654	492	502	518	rVB	83562	146526	0.10%	0.018%
14	2.757	519	534	545	rVB2	23992	50075	0.03%	0.006%
15	2.828	545	556	581	rBV	137813	259269	0.18%	0.033%
16	3.037	608	621	637	rVB	59569	119226	0.08%	0.015%
17	3.156	645	658	661	rBV4	29680	52714	0.04%	0.007%
18	3.188	663	668	693	rVB4	42439	114706	0.08%	0.014%
19	3.433	730	744	755	rVV3	45958	127218	0.09%	0.016%
20	3.500	756	765	787	rVB3	65315	158891	0.11%	0.020%
21	3.757	830	845	860	rBV4	57250	148349	0.10%	0.019%
22	3.889	871	886	908	rBV2	127037	447258	0.30%	0.056%
23	4.343	1008	1027	1042	rBV	383641	956623	0.65%	0.120%
24	4.670	1111	1129	1147	rBV4	87330	226763	0.15%	0.029%
25	4.908	1189	1203	1226	rVB7	17123	49428	0.03%	0.006%
26	5.098	1226	1262	1294	rBV2	27514950	66111000	44.66%	8.310%
27	5.613	1411	1422	1453	rVB	658403	1326481	0.90%	0.167%
28	5.889	1491	1508	1549	rBV	1732774	4207868	2.84%	0.529%
29	6.066	1551	1563	1577	rVV	508684	1055432	0.71%	0.133%
30	6.166	1577	1594	1636	rVB	1642950	4103321	2.77%	0.516%
31	6.371	1642	1658	1706	rVB	3224948	6603403	4.46%	0.830%
32	6.625	1726	1737	1753	rBV2	68544	153527	0.10%	0.019%
33	6.709	1754	1763	1797	rVB2	80245	207457	0.14%	0.026%
34	6.899	1797	1822	1845	rBV	16897159	35184809	23.77%	4.423%
35	7.313	1940	1951	1963	rBV	1127862	1935101	1.31%	0.243%
36	7.410	1963	1981	2023	rVB	20509382	45039734	30.43%	5.662%

LSC Area Percent Report

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Acq On : 30 Jul 2022 01:30
Operator : SY/MD
Sample : N3956-07
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF04

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	7.622	2037	2047	2076	rVB	188443	357971	0.24%	0.045%
38	7.793	2089	2100	2105	rBV2	96273	169045	0.11%	0.021%
39	7.828	2107	2111	2136	rVB2	111109	211391	0.14%	0.027%
40	8.037	2152	2176	2188	rBV3	56811507	148021813	100.00%	18.607%
41	8.092	2188	2193	2203	rVV	709967	1280709	0.87%	0.161%
42	8.143	2204	2209	2221	rVV	253410	482017	0.33%	0.061%
43	8.207	2221	2229	2250	rVB	170817	395210	0.27%	0.050%
44	8.448	2294	2304	2326	rVB2	112179	226284	0.15%	0.028%
45	8.625	2347	2359	2390	rVV2	671112	1265616	0.86%	0.159%
46	8.764	2392	2402	2408	rVV3	31815	53231	0.04%	0.007%
47	8.818	2408	2419	2426	rVV	4059530	5845677	3.95%	0.735%
48	8.892	2426	2442	2466	rVV3	60065650	118298633	79.92%	14.870%
49	9.024	2467	2483	2492	rVV	1354686	2384401	1.61%	0.300%
50	9.075	2492	2499	2512	rVV	423531	710409	0.48%	0.089%
51	9.140	2514	2519	2535	rVB	40479	72634	0.05%	0.009%
52	9.291	2555	2566	2582	rBV2	208442	359945	0.24%	0.045%
53	9.381	2582	2594	2610	rBV	2178042	3468369	2.34%	0.436%
54	9.545	2637	2645	2669	rBV3	44692	106770	0.07%	0.013%
55	9.702	2682	2694	2714	rVB3	71263	129364	0.09%	0.016%
56	10.037	2780	2798	2801	rBV3	32956	61420	0.04%	0.008%
57	10.082	2801	2812	2838	rVB	893920	1511241	1.02%	0.190%
58	10.214	2840	2853	2872	rBV	10347901	16176832	10.93%	2.033%
59	10.358	2891	2898	2902	rBV3	27927	41447	0.03%	0.005%
60	10.407	2903	2913	2944	rVB	816794	1369343	0.93%	0.172%
61	10.638	2972	2985	2991	rBV	191930	309592	0.21%	0.039%
62	10.683	2991	2999	3013	rVB	340875	557688	0.38%	0.070%
63	10.825	3033	3043	3059	rBV	158846	264608	0.18%	0.033%
64	10.911	3059	3070	3076	rVV2	149470	229123	0.15%	0.029%
65	10.960	3076	3085	3098	rVV	458783	742564	0.50%	0.093%
66	11.165	3139	3149	3163	rVV4	137134	259233	0.18%	0.033%
67	11.246	3163	3174	3182	rVV	1297542	2006730	1.36%	0.252%
68	11.300	3182	3191	3211	rVV	3135360	5222803	3.53%	0.657%
69	11.397	3211	3221	3231	rVV	483897	758534	0.51%	0.095%
70	11.464	3232	3242	3255	rVV	538167	815676	0.55%	0.103%
71	11.551	3255	3269	3278	rVV4	80796	168156	0.11%	0.021%
72	11.644	3279	3298	3325	rVB3	2894946	6490880	4.39%	0.816%
73	11.911	3370	3381	3401	rVV	2817102	4236491	2.86%	0.533%
74	12.079	3420	3433	3443	rBV2	95769	191884	0.13%	0.024%
75	12.149	3443	3455	3478	rVB	3776323	5631904	3.80%	0.708%
76	12.329	3493	3511	3520	rBV2	686813	1272033	0.86%	0.160%

LSC Area Percent Report

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Acq On : 30 Jul 2022 01:30
Operator : SY/MD
Sample : N3956-07
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF04

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	12.394	3520	3531	3565	rVB	8957357	13638452	9.21%	1.714%
78	12.590	3580	3592	3602	rBV2	95612	159414	0.11%	0.020%
79	12.651	3602	3611	3621	rBV	105186	158365	0.11%	0.020%
80	12.747	3630	3641	3651	rBV	1049911	1609709	1.09%	0.202%
81	12.831	3651	3667	3680	rBV	51166625	85755494	57.93%	10.780%
82	12.908	3685	3691	3702	rVB	81872	140104	0.09%	0.018%
83	13.149	3749	3766	3774	rBV2	137695	254110	0.17%	0.032%
84	13.201	3774	3782	3787	rBV	136496	210645	0.14%	0.026%
85	13.477	3858	3868	3880	rVV9	55121	112335	0.08%	0.014%
86	13.619	3903	3912	3923	rBV5	25959	50153	0.03%	0.006%
87	13.789	3949	3965	3974	rBV	812066	1203342	0.81%	0.151%
88	13.857	3974	3986	3993	rVV	8475662	12692046	8.57%	1.595%
89	13.905	3993	4001	4024	rVB	14827634	23285883	15.73%	2.927%
90	14.024	4030	4038	4055	rVB	63049	105781	0.07%	0.013%
91	14.159	4072	4080	4086	rBV5	24564	39404	0.03%	0.005%
92	14.368	4132	4145	4152	rBV	915345	1463724	0.99%	0.184%
93	14.699	4237	4248	4252	rBV2	152329	232412	0.16%	0.029%
94	14.731	4253	4258	4271	rVB3	187805	300519	0.20%	0.038%
95	14.869	4293	4301	4311	rVB3	26711	41233	0.03%	0.005%
96	14.982	4316	4336	4368	rBV	60902269	105477724	71.26%	13.259%
97	15.117	4368	4378	4396	rVB	125116	216044	0.15%	0.027%
98	15.220	4400	4410	4421	rBV5	53488	117407	0.08%	0.015%
99	15.799	4577	4590	4599	rBV	2417563	3562291	2.41%	0.448%
100	15.844	4599	4604	4618	rVV	365521	528531	0.36%	0.066%

Sum of corrected areas: 795532063

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027108.D
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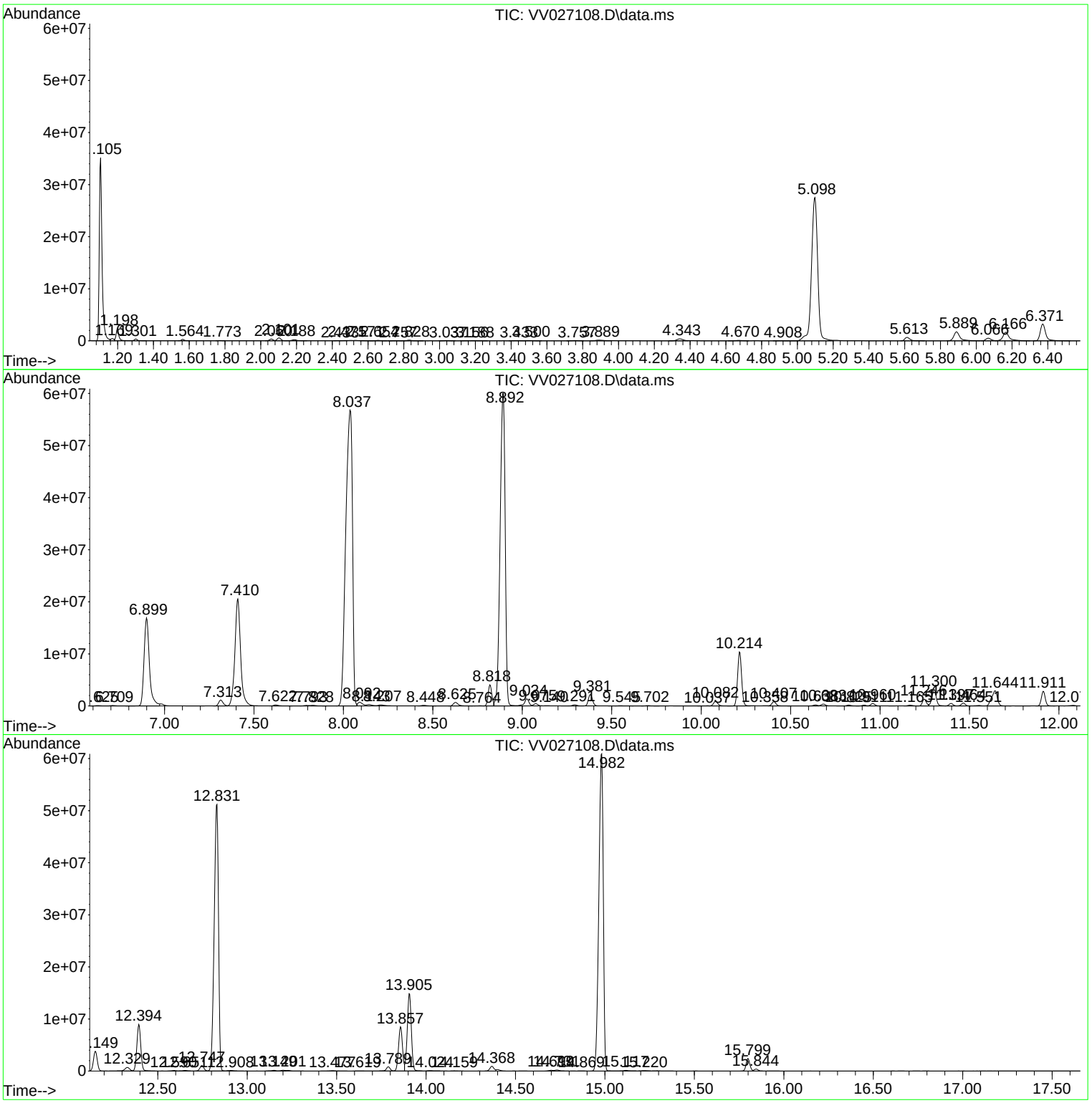
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF04

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 : VV027108.D
Acq On : 30 Jul 2022 01:30
Operator : SY/MD
Sample : N3956-07
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF04

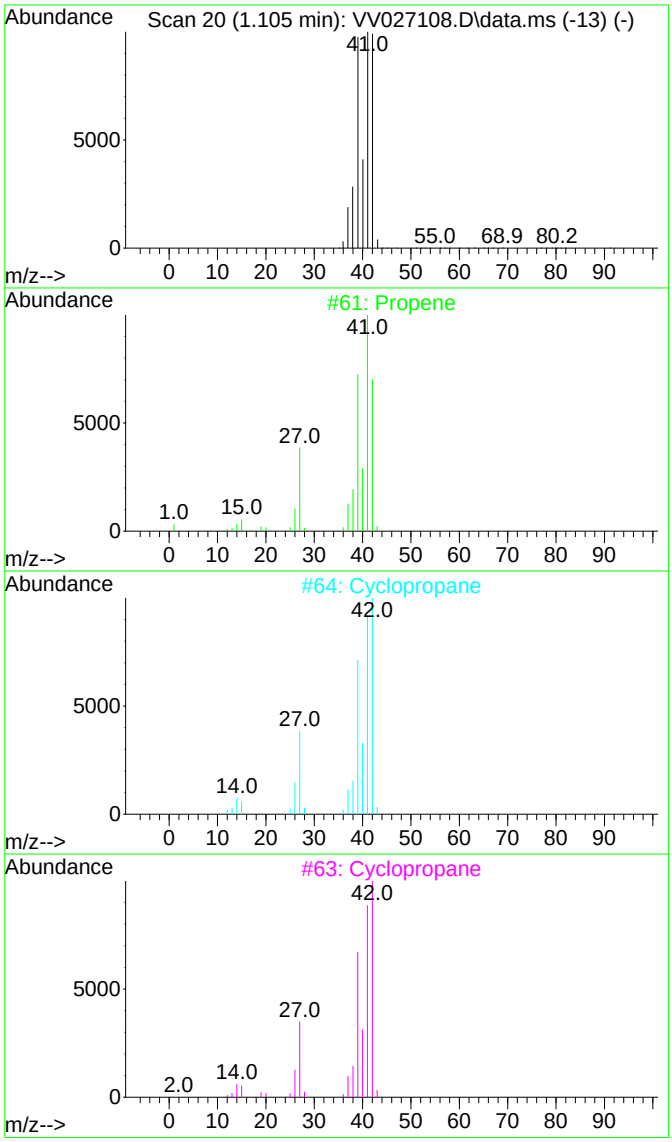
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

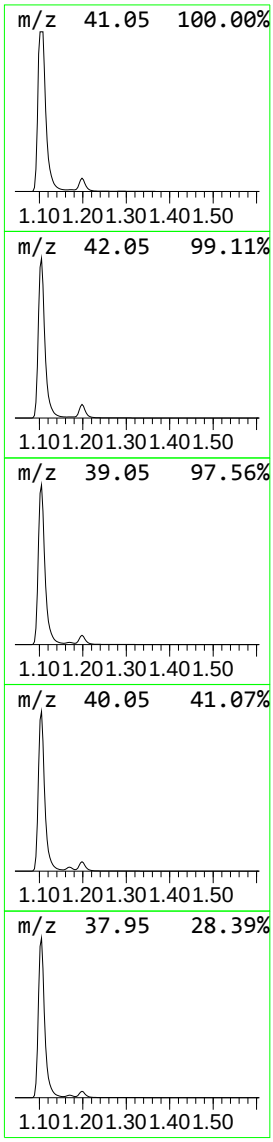
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.105	1419.72 ug/L	37664600	1,4-Difluorobenzene	5.613

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propene	42	C3H6	000115-07-1	90
2	Cyclopropane	42	C3H6	000075-19-4	72
3	Cyclopropane	42	C3H6	000075-19-4	72
4	Cyclopropane	42	C3H6	000075-19-4	59
5	Propene	42	C3H6	000115-07-1	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027108.D
Acq On : 30 Jul 2022 01:30
Operator : SY/MD
Sample : N3956-07
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF04

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

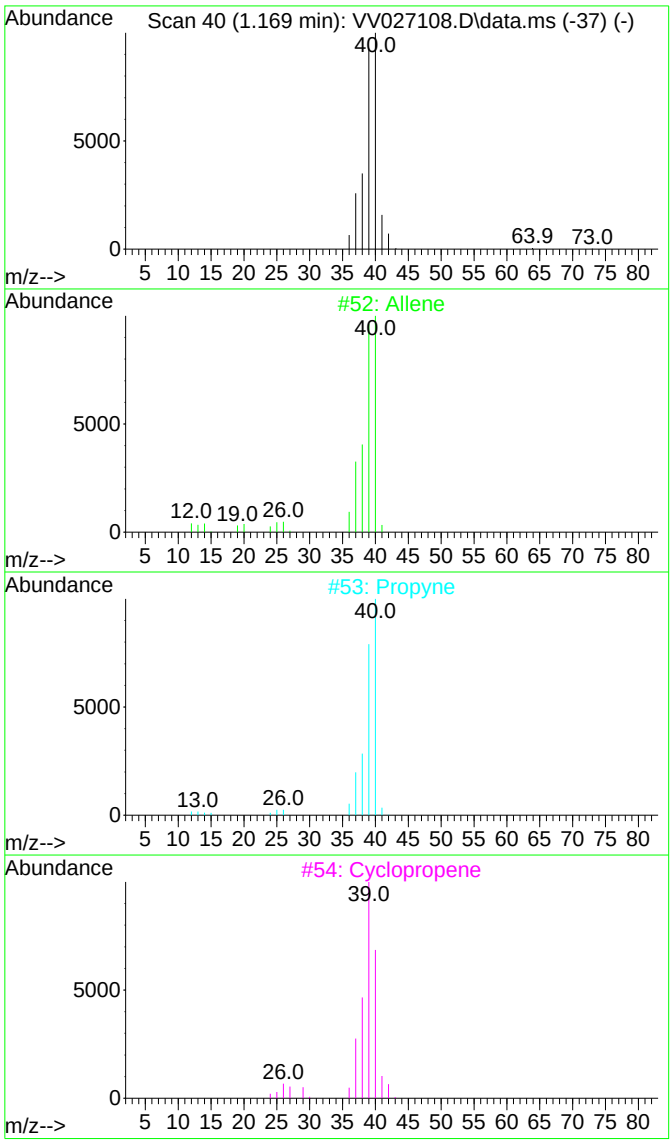
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

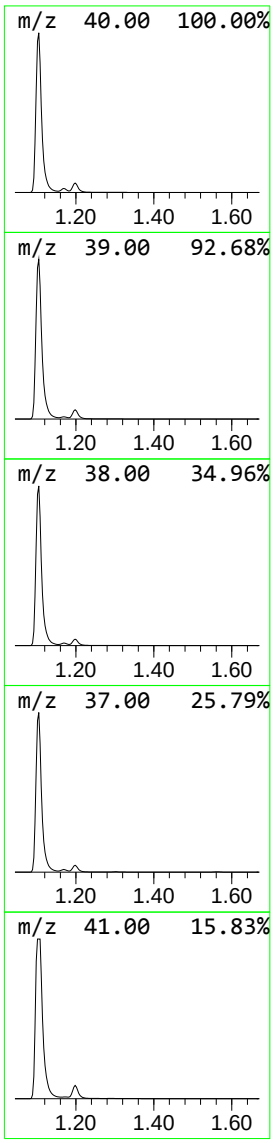
****

Peak Number 2 Allene Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.169	17.45 ug/L	462961	1,4-Difluorobenzene	5.613

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Allene	40	C3H4	000463-49-0	90
2	Propyne	40	C3H4	000074-99-7	90
3	Cyclopropene	40	C3H4	002781-85-3	83
4	2-Butynal	68	C4H4O	001119-19-3	64
5	3-Butyn-1-ol	70	C4H6O	000927-74-2	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027108.D
Acq On : 30 Jul 2022 01:30
Operator : SY/MD
Sample : N3956-07
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF04

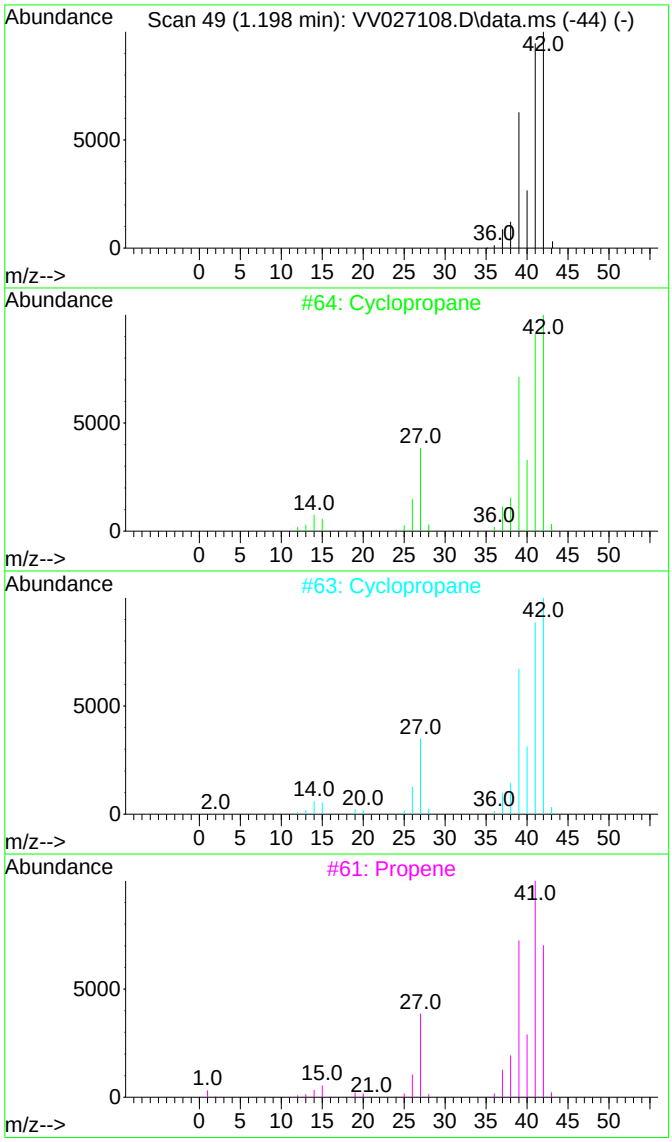
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

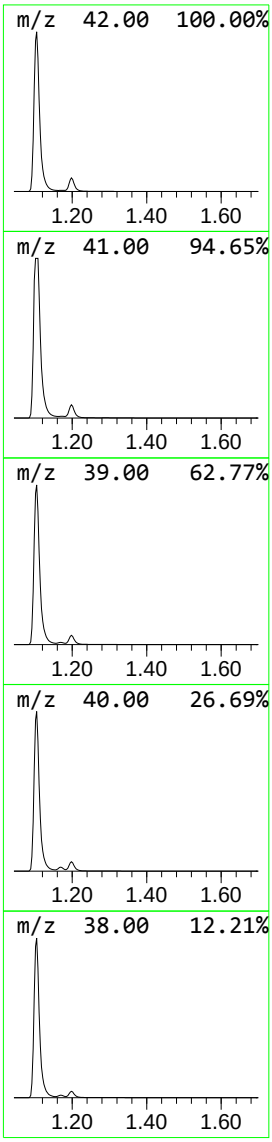
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 (DEL) Alkane: Cyclic1.198 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.198	93.43 ug/L	2478720	1,4-Difluorobenzene	5.613

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane	42	C3H6	000075-19-4	90
2	Cyclopropane	42	C3H6	000075-19-4	90
3	Propene	42	C3H6	000115-07-1	83
4	Cyclopropane	42	C3H6	000075-19-4	72
5	Propene	42	C3H6	000115-07-1	4





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027108.D
Acq On : 30 Jul 2022 01:30
Operator : SY/MD
Sample : N3956-07
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF04

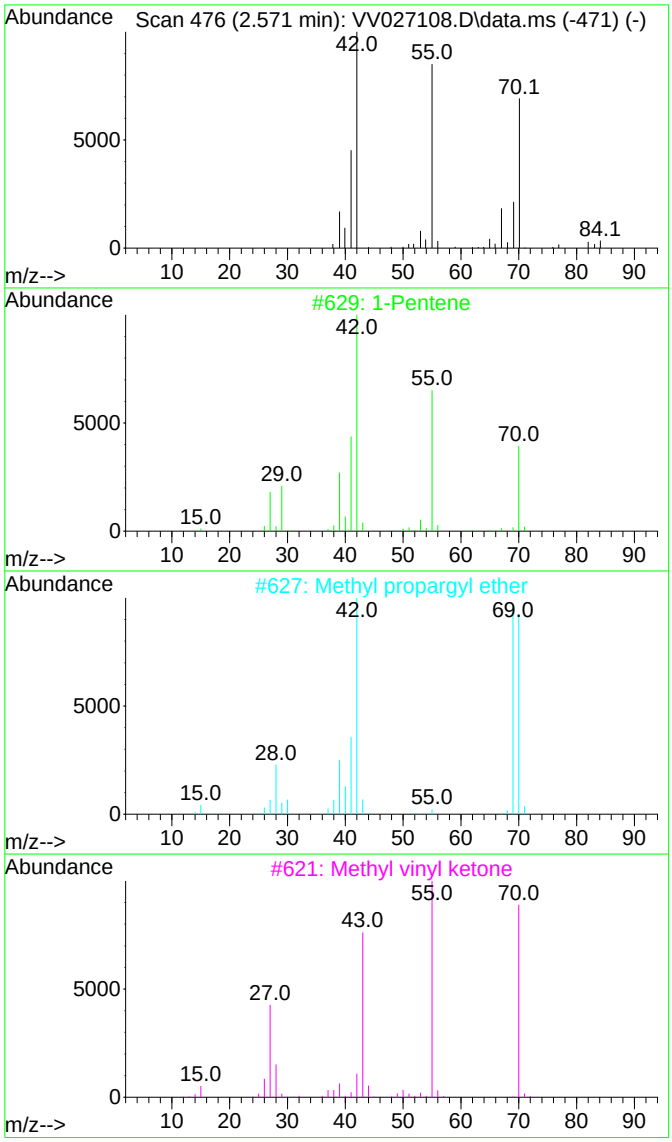
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

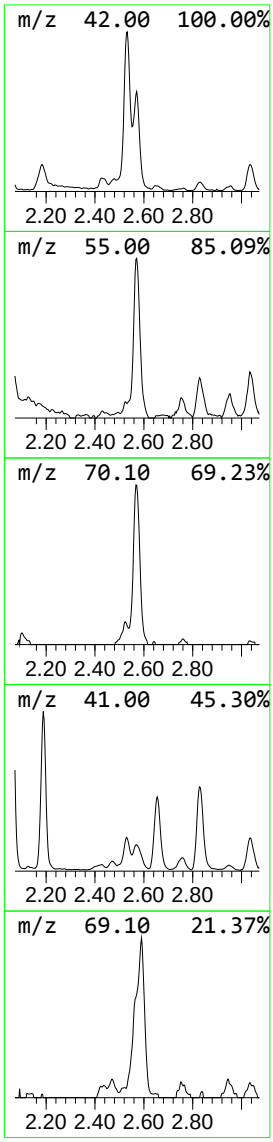
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.571	4.27 ug/L	113237	1,4-Difluorobenzene	5.613

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentene	70	C5H10	000109-67-1	72
2	Methyl propargyl ether	70	C4H6O	000627-41-8	36
3	Methyl vinyl ketone	70	C4H6O	000078-94-4	12
4	Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	9
5	1-Pentene	70	C5H10	000109-67-1	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027108.D
Acq On : 30 Jul 2022 01:30
Operator : SY/MD
Sample : N3956-07
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF04

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

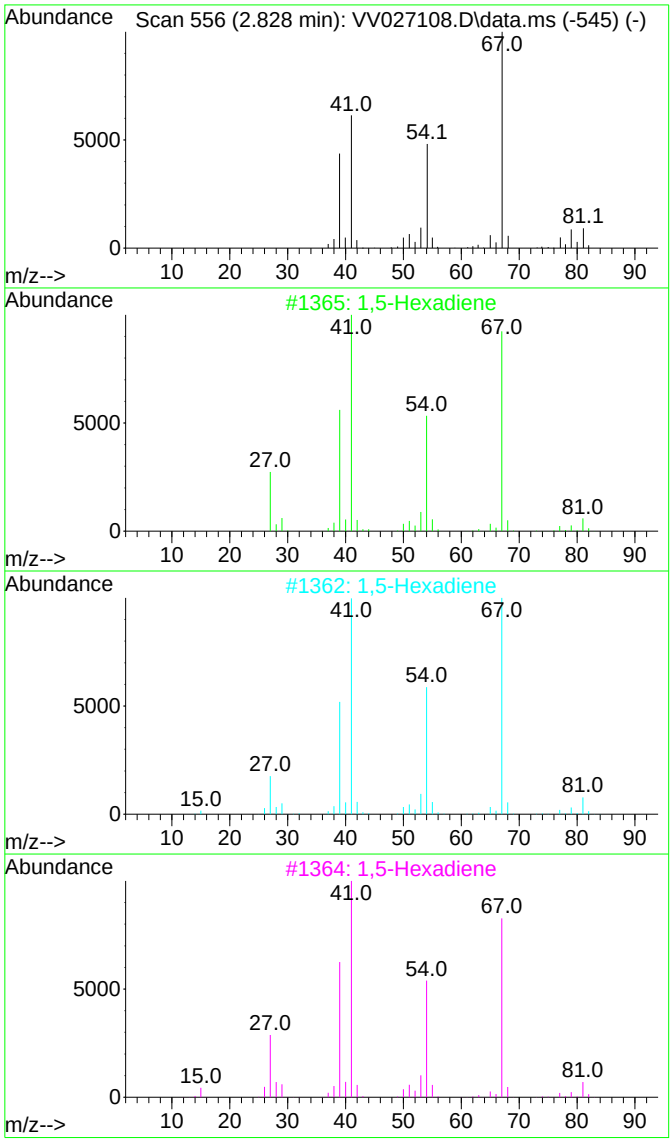
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

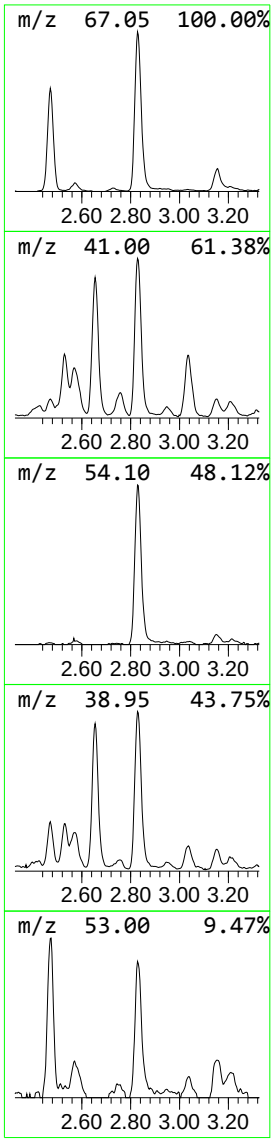
****

Peak Number 6 1,5-Hexadiene Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.828	9.77 ug/L	259269	1,4-Difluorobenzene	5.613

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,5-Hexadiene	82	C6H10	000592-42-7	87
2	1,5-Hexadiene	82	C6H10	000592-42-7	87
3	1,5-Hexadiene	82	C6H10	000592-42-7	70
4	Bicyclo[3.1.0]hexane	82	C6H10	000285-58-5	53
5	1,4-Pentadiene, 2-methyl-	82	C6H10	000763-30-4	47





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Data File : VV027108.D
Acq On : 30 Jul 2022 01:30
Operator : SY/MD
Sample : N3956-07
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF04

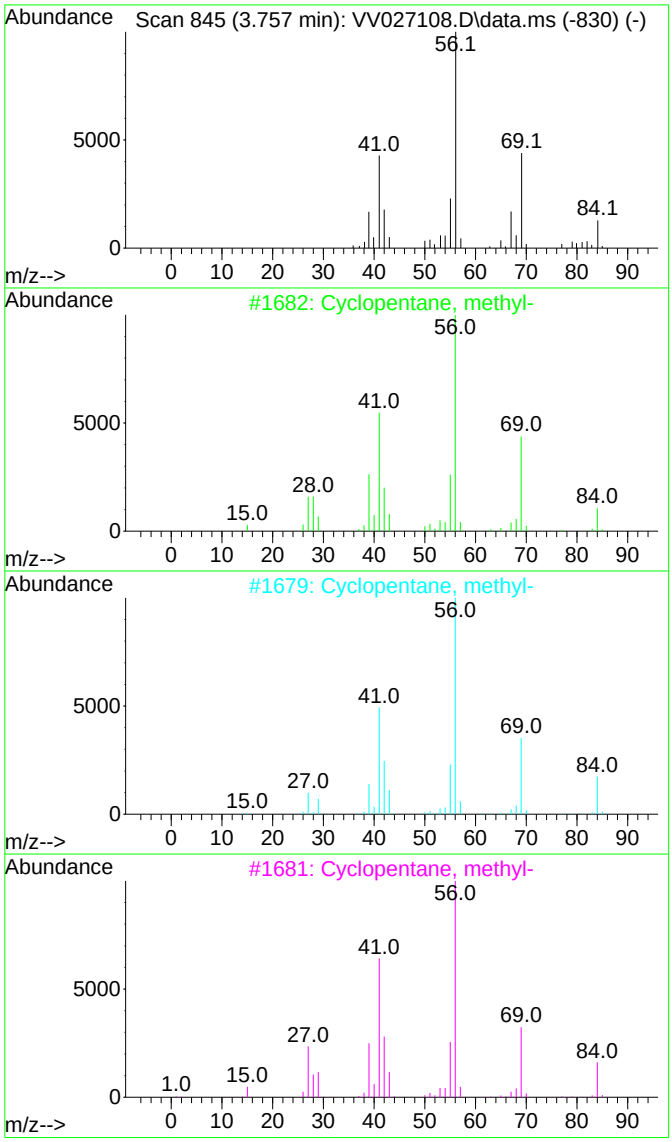
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

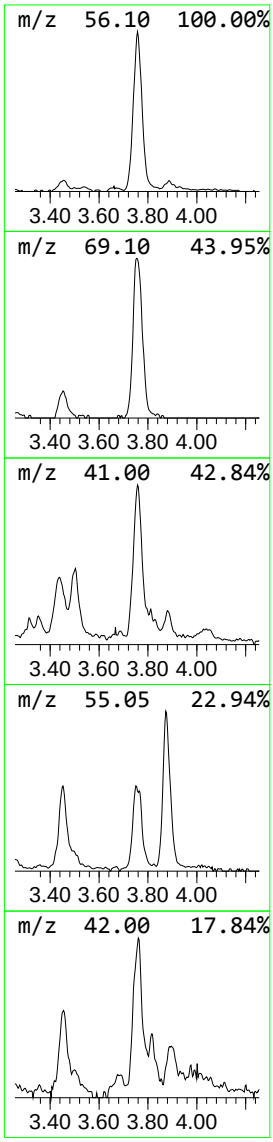
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 (DEL) Alkane: Cyclic3.757 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.757	5.59 ug/L	148349	1,4-Difluorobenzene	5.613

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	90
2	Cyclopentane, methyl-	84	C6H12	000096-37-7	80
3	Cyclopentane, methyl-	84	C6H12	000096-37-7	80
4	Cyclohexane	84	C6H12	000110-82-7	72
5	Cyclopentane, methyl-	84	C6H12	000096-37-7	72





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Acq On : 30 Jul 2022 01:30
Operator : SY/MD
Sample : N3956-07
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF04

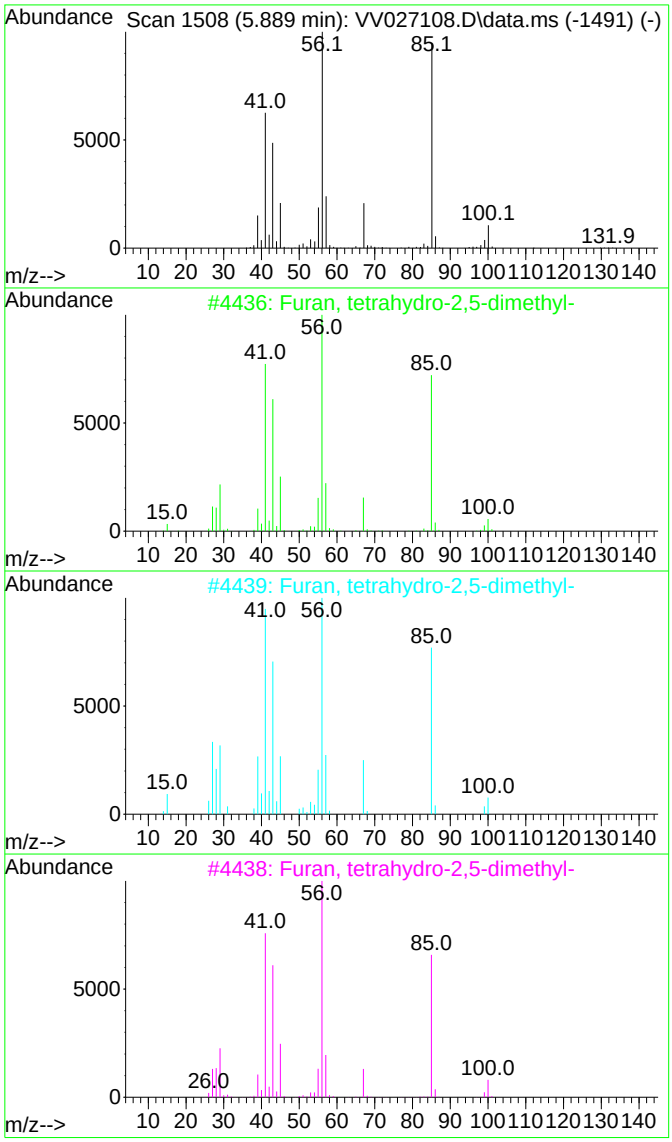
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

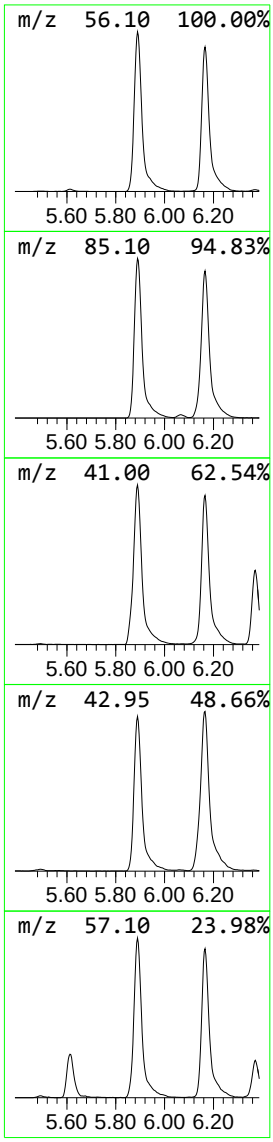
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Furan, tetrahydro-2,5-dimet... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.889	158.61 ug/L	4207870	1,4-Difluorobenzene	5.613

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furan, tetrahydro-2,5-dimethyl-	100	C6H12O	001003-38-9	91
2	Furan, tetrahydro-2,5-dimethyl-	100	C6H12O	001003-38-9	91
3	Furan, tetrahydro-2,5-dimethyl-	100	C6H12O	001003-38-9	90
4	Furan, tetrahydro-2,5-dimethyl-,...	100	C6H12O	002144-41-4	86
5	Furan, tetrahydro-2,5-dimethyl-,...	100	C6H12O	038484-59-2	78





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Data File : VV027108.D
Acq On : 30 Jul 2022 01:30
Operator : SY/MD
Sample : N3956-07
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF04

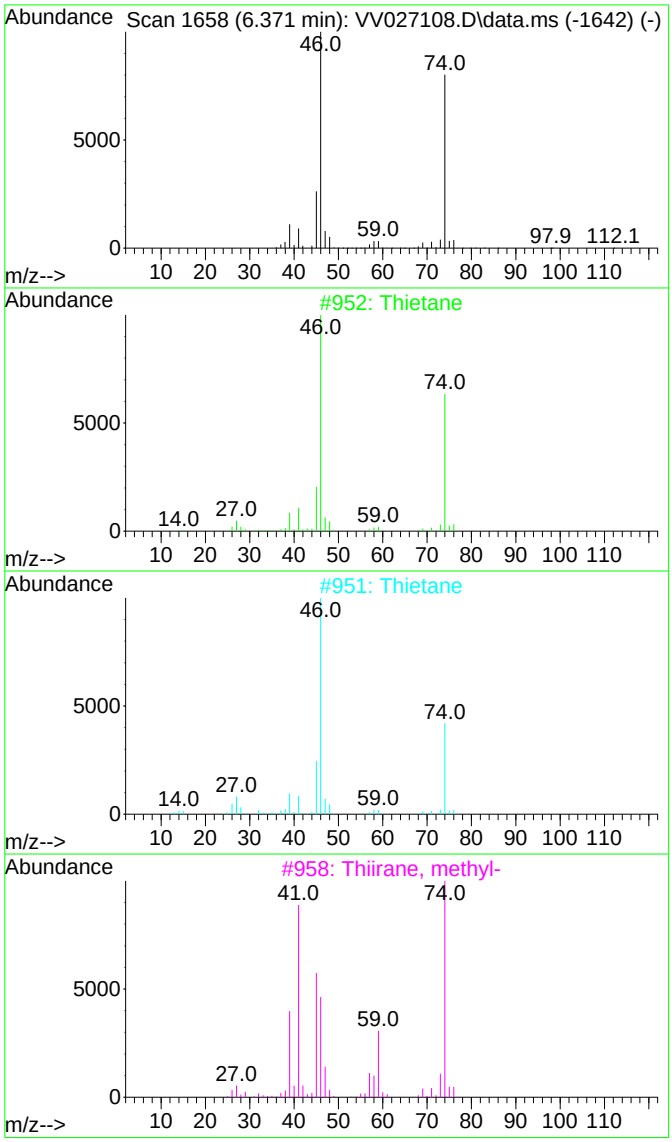
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

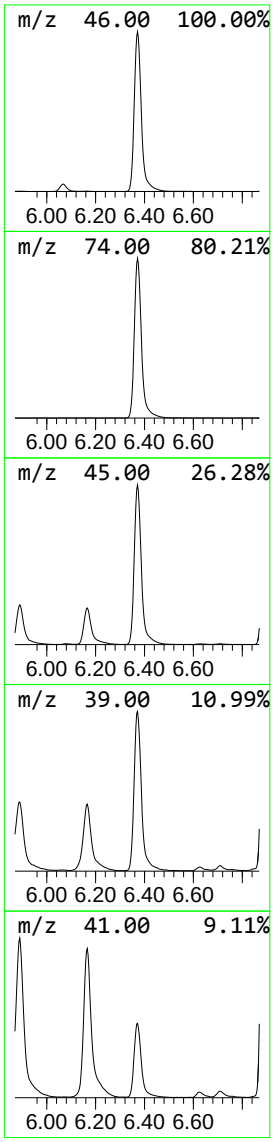
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Thietane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.371	248.91 ug/L	6603400	1,4-Difluorobenzene	5.613

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thietane	74	C3H6S	000287-27-4	91
2	Thietane	74	C3H6S	000287-27-4	90
3	Thiirane, methyl-	74	C3H6S	001072-43-1	9
4	1,3-Propanediol, 2-methyl-2-nitr...	225	C4H7N3O8	004055-94-1	9
5	Nitroisobutanetriol trinitrate	286	C4H6N4O11	020820-44-4	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027108.D
Acq On : 30 Jul 2022 01:30
Operator : SY/MD
Sample : N3956-07
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF04

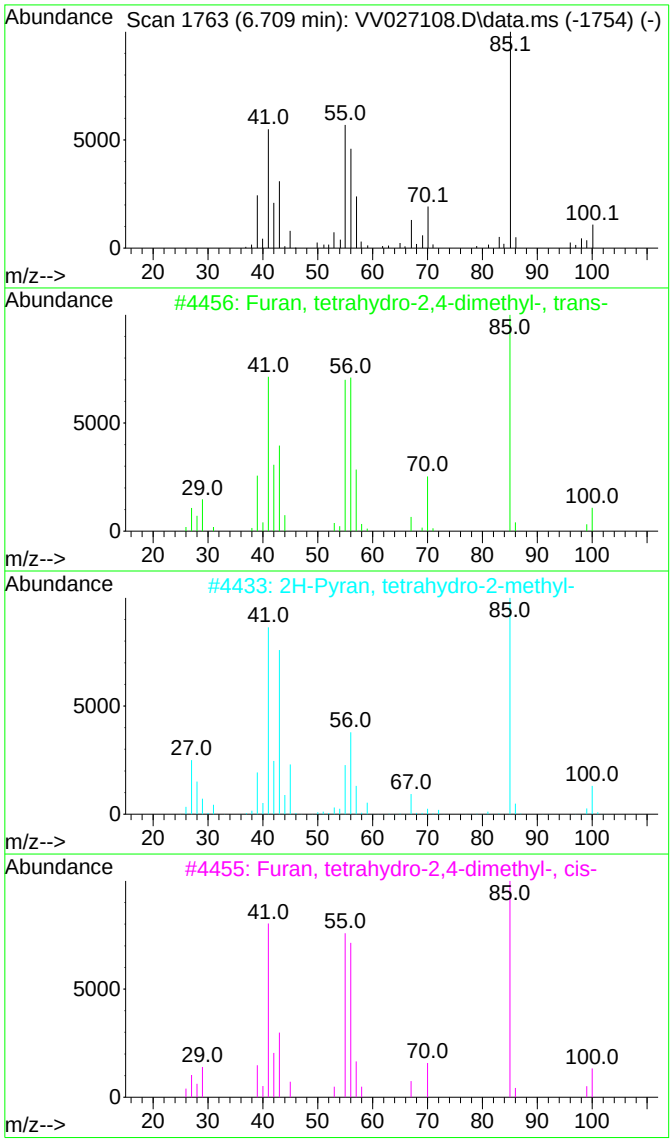
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

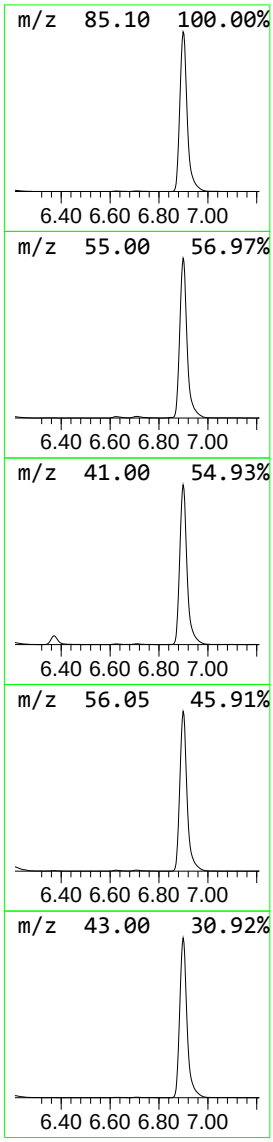
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Furan, tetrahydro-2,4-dimet... Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.709	7.82 ug/L	207457	1,4-Difluorobenzene	5.613

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furan, tetrahydro-2,4-dimethyl-,...	100	C6H12O	039168-02-0	91
2	2H-Pyran, tetrahydro-2-methyl-	100	C6H12O	010141-72-7	64
3	Furan, tetrahydro-2,4-dimethyl-,...	100	C6H12O	039168-01-9	52
4	1-[(4-Fluorophenyl)sulfonyl]pipe...	244	C10H13FN2O2S	1000486-20-7	50
5	Oxetane, 2-ethyl-3-methyl-	100	C6H12O	053778-62-4	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027108.D
Acq On : 30 Jul 2022 01:30
Operator : SY/MD
Sample : N3956-07
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF04

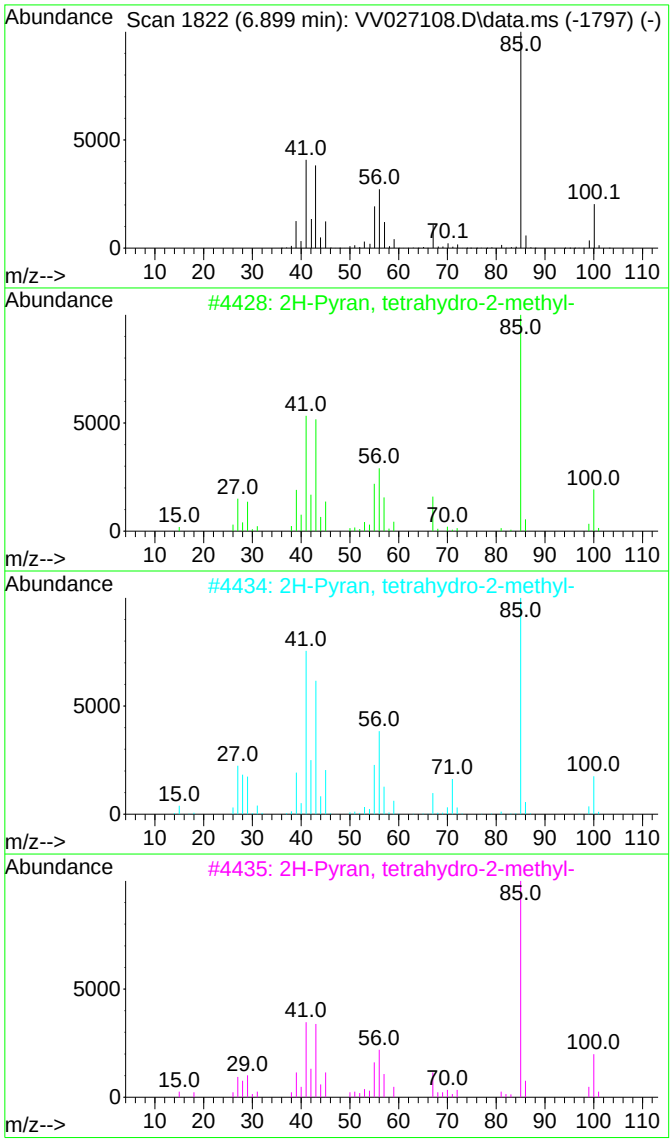
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

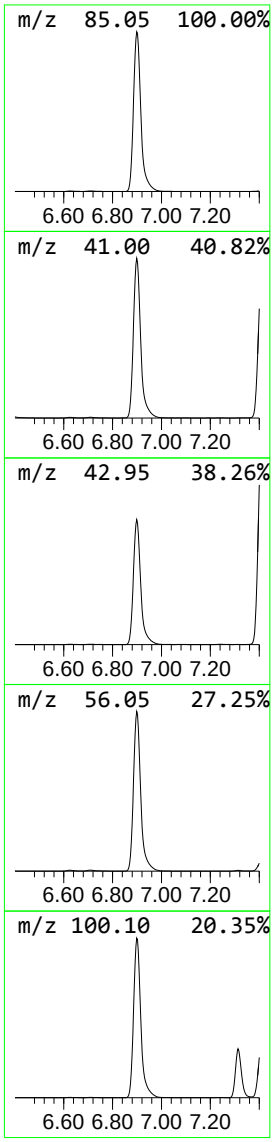
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 2H-Pyran, tetrahydro-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.899	1326.25 ug/L	35184800	1,4-Difluorobenzene	5.613

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Pyran, tetrahydro-2-methyl-	100	C6H12O	010141-72-7	91
2	2H-Pyran, tetrahydro-2-methyl-	100	C6H12O	010141-72-7	91
3	2H-Pyran, tetrahydro-2-methyl-	100	C6H12O	010141-72-7	87
4	2H-Pyran, tetrahydro-2-methyl-	100	C6H12O	010141-72-7	83
5	1-Methoxy-3-methyl-2-butene	100	C6H12O	022093-99-8	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027108.D
Acq On : 30 Jul 2022 01:30
Operator : SY/MD
Sample : N3956-07
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF04

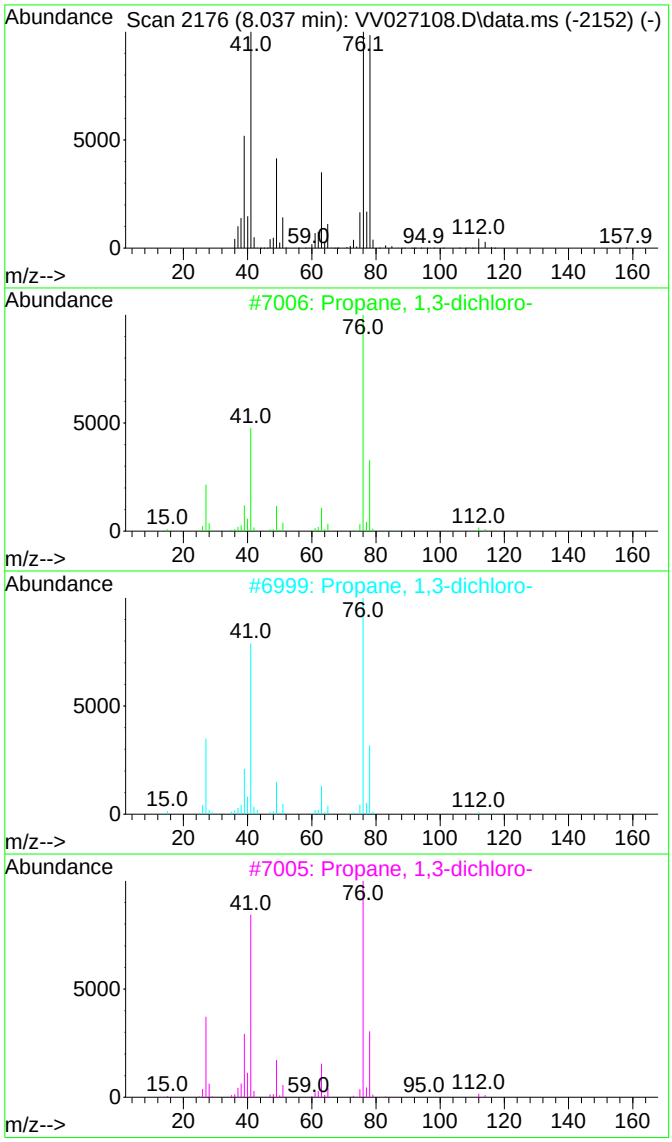
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

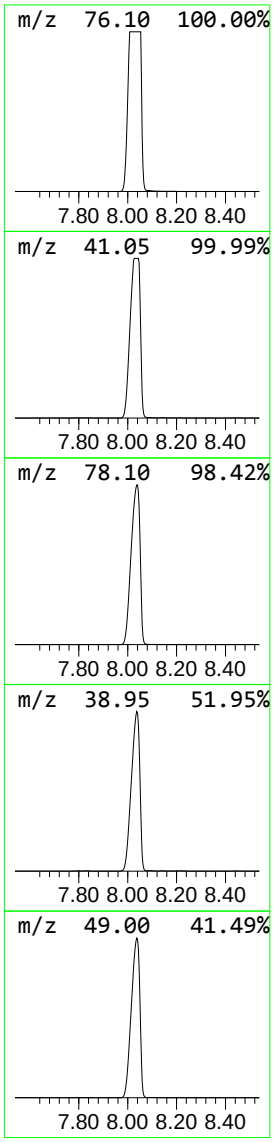
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Propane, 1,3-dichloro- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.037	62.56 ug/L	148022000	Chlorobenzene-d5	8.857

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1,3-dichloro-	112	C3H6Cl2	000142-28-9	60
2	Propane, 1,3-dichloro-	112	C3H6Cl2	000142-28-9	55
3	Propane, 1,3-dichloro-	112	C3H6Cl2	000142-28-9	53
4	1-Propene, 1-chloro-, (Z)-	76	C3H5Cl	016136-84-8	38
5	trans-1-Chloropropene	76	C3H5Cl	016136-85-9	30





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Data File : VV027108.D
Acq On : 30 Jul 2022 01:30
Operator : SY/MD
Sample : N3956-07
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF04

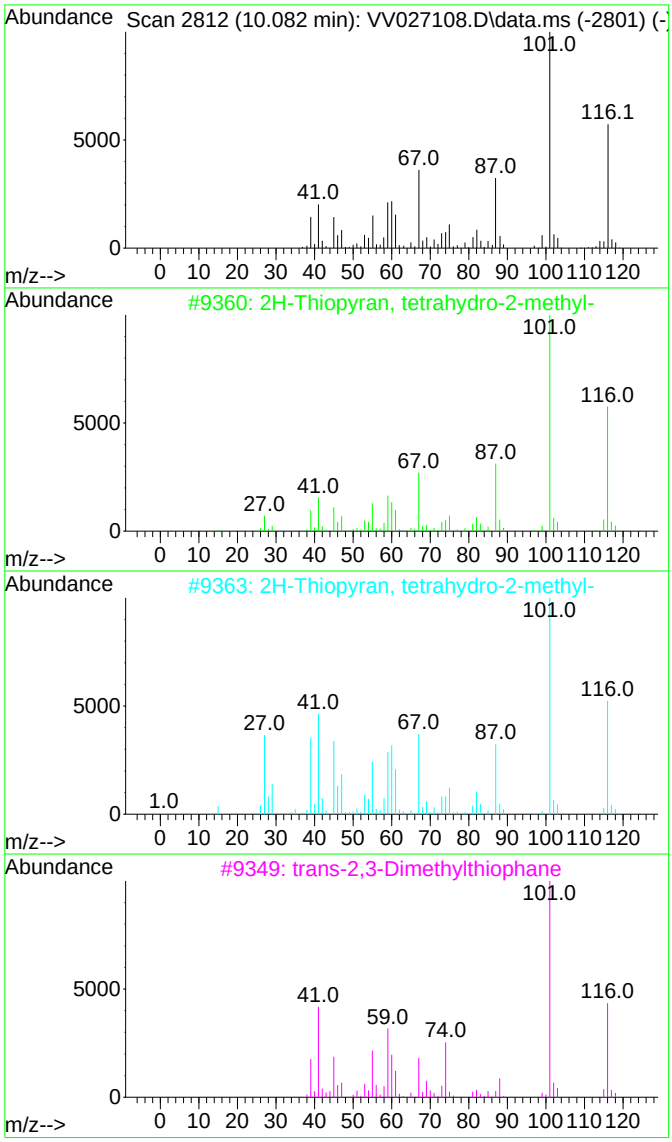
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

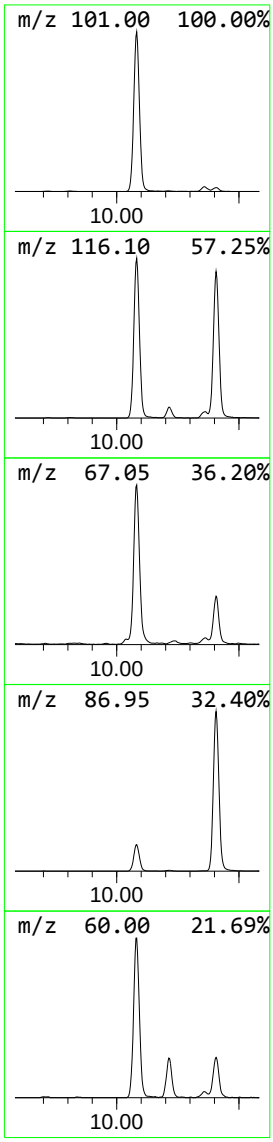
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 2H-Thiopyran, tetrahydro-2-... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.082	37.65 ug/L	1511240	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	80
5	2H-Thiopyran, tetrahydro-4-methyl-	116	C6H12S	005161-17-1	60





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Data File : VV027108.D
Acq On : 30 Jul 2022 01:30
Operator : SY/MD
Sample : N3956-07
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF04

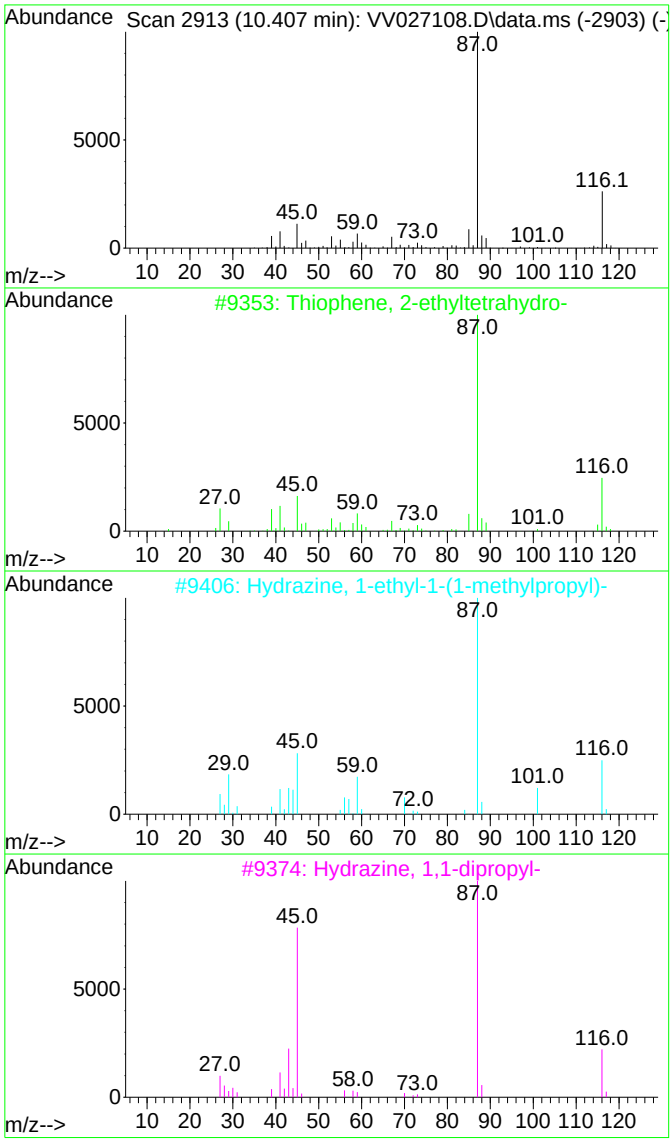
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

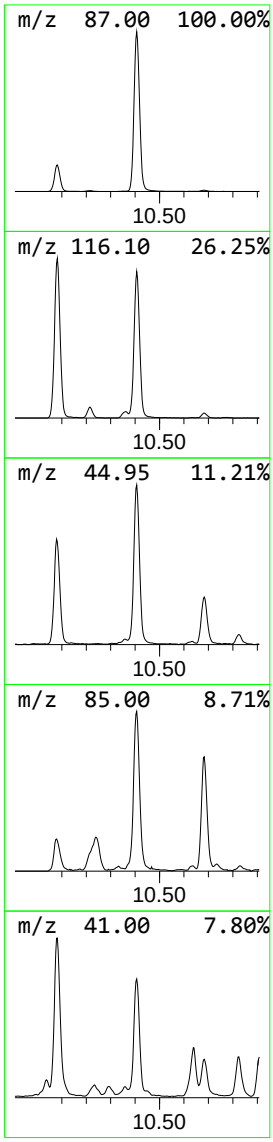
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.407	34.12 ug/L	1369340	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	Hydrazine, 1-ethyl-1-(1-methylpr...	116	C6H16N2	020325-97-7	59
3	Hydrazine, 1,1-dipropyl-	116	C6H16N2	004986-50-9	59
4	Thiocyanic acid, ethyl ester	87	C3H5NS	000542-90-5	52
5	Thiophene, 2-ethyltetrahydro-	116	C6H12S	001551-32-2	47





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Acq On : 30 Jul 2022 01:30
Operator : SY/MD
Sample : N3956-07
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF04

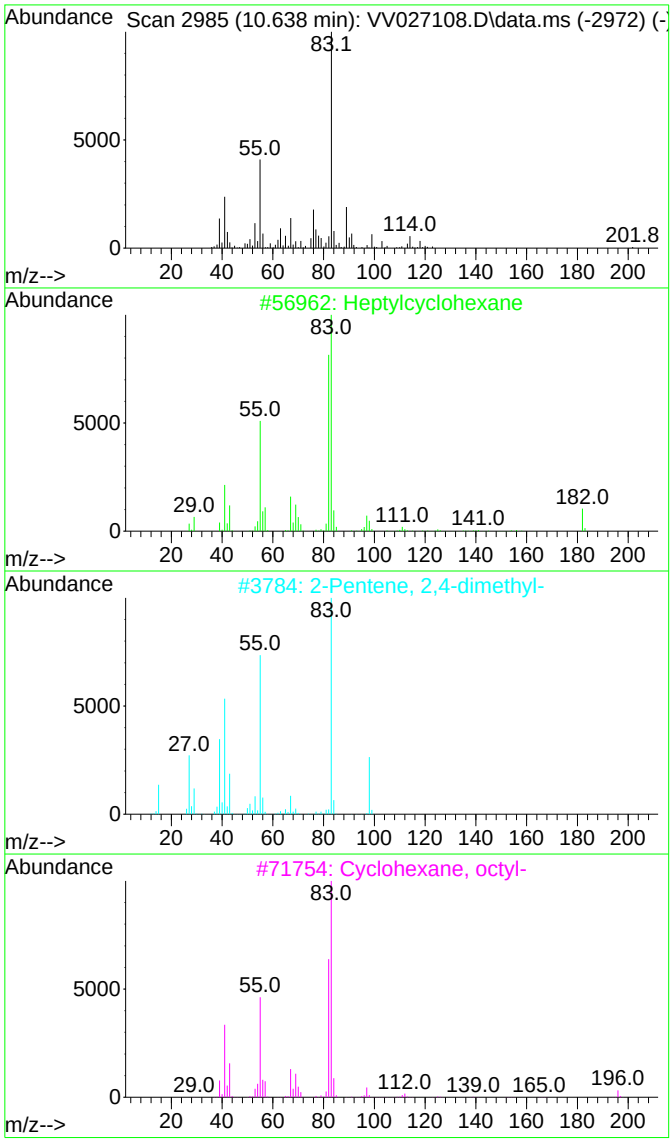
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

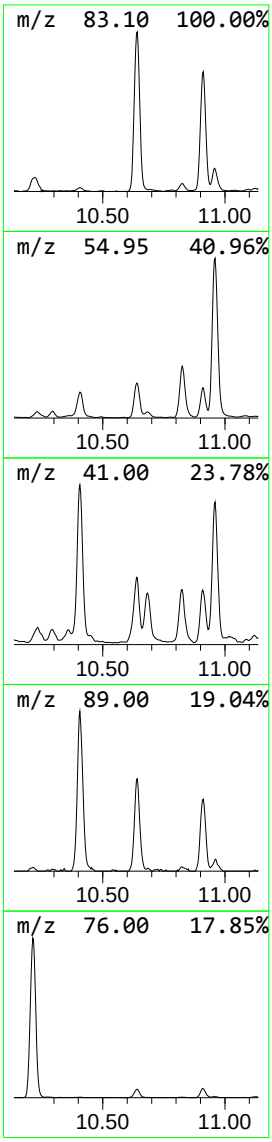
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 (DEL) Alkane: Cyclic10.638 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.638	7.71 ug/L	309592	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptylcyclohexane	182	C13H26	005617-41-4	47
2	2-Pentene, 2,4-dimethyl-	98	C7H14	000625-65-0	47
3	Cyclohexane, octyl-	196	C14H28	001795-15-9	47
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	47
5	3-Methyl-2-butenoic acid, phenyl...	176	C11H12O2	054897-52-8	43





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Acq On : 30 Jul 2022 01:30
Operator : SY/MD
Sample : N3956-07
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF04

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

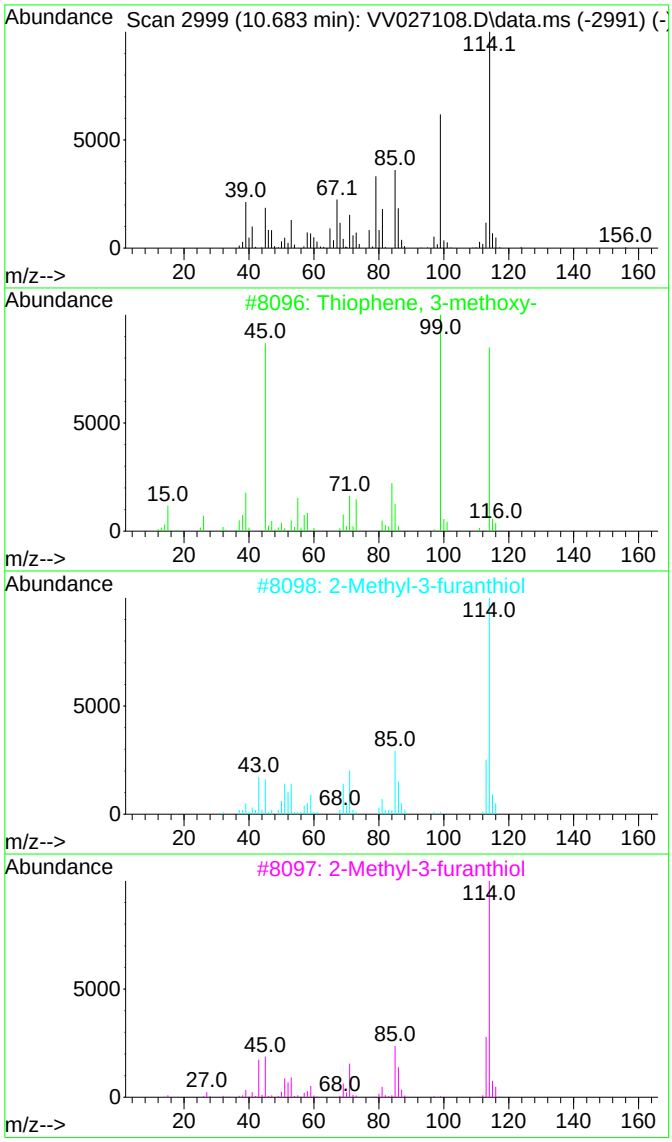
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

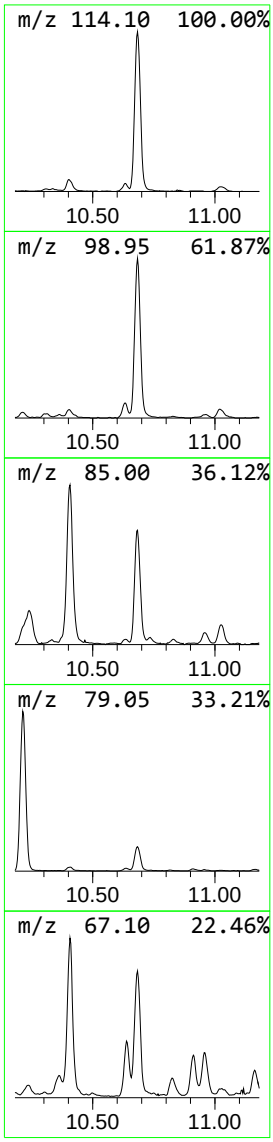
****

Peak Number 20 unknown-01 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.683	13.90 ug/L	557688	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 3-methoxy-	114	C5H6OS	017573-92-1	49
2	2-Methyl-3-furanthiol	114	C5H6OS	028588-74-1	46
3	2-Methyl-3-furanthiol	114	C5H6OS	028588-74-1	45
4	2-Thiazolamine, 4-methyl-	114	C4H6N2S	001603-91-4	38
5	Butanal, ethylhydrazone	114	C6H14N2	051576-30-8	38





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Operator : SY/MD
Sample : N3956-07
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF04

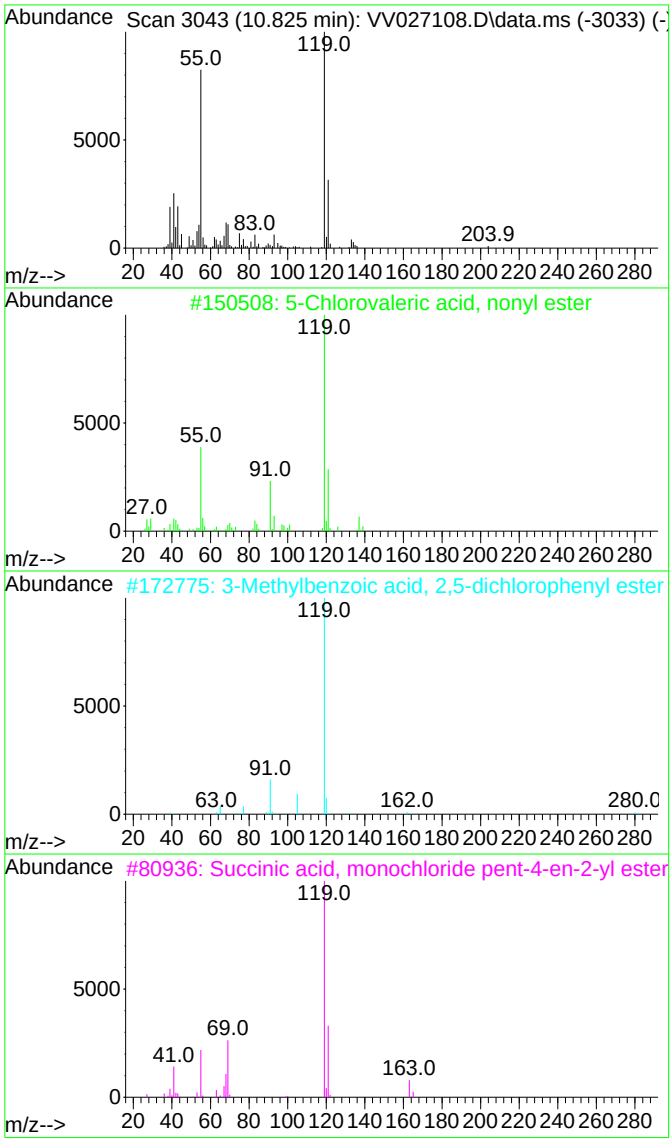
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

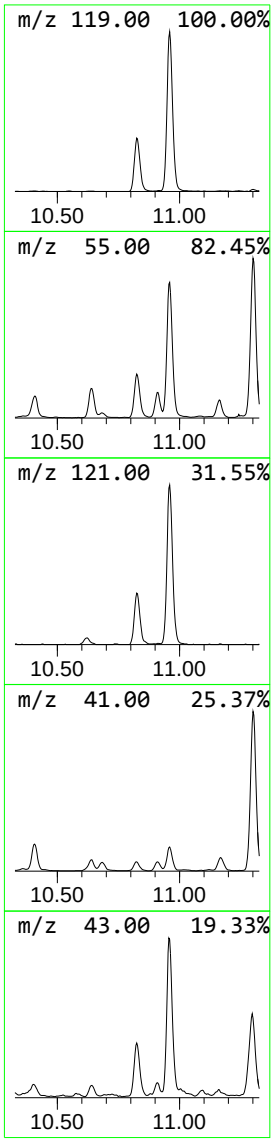
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 5-Chlorovaleric acid, nonyl... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.825	6.59 ug/L	264608	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Chlorovaleric acid, nonyl ester	262	C14H27ClO2	052893-18-2	53
2	3-Methylbenzoic acid, 2,5-dichlo...	280	C14H10Cl2O2	1000325-71-3	43
3	Succinic acid, monochloride pent...	204	C9H13ClO3	1000353-45-9	40
4	Benzhydrazide, 2-methyl-N2-(3,4-...	343	C17H17N3O5	304479-92-3	37
5	2,5-Pyrrolidinedione, 1-[(4-meth...	233	C12H11NO4	083039-57-0	37





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027108.D
Acq On : 30 Jul 2022 01:30
Operator : SY/MD
Sample : N3956-07
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF04

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

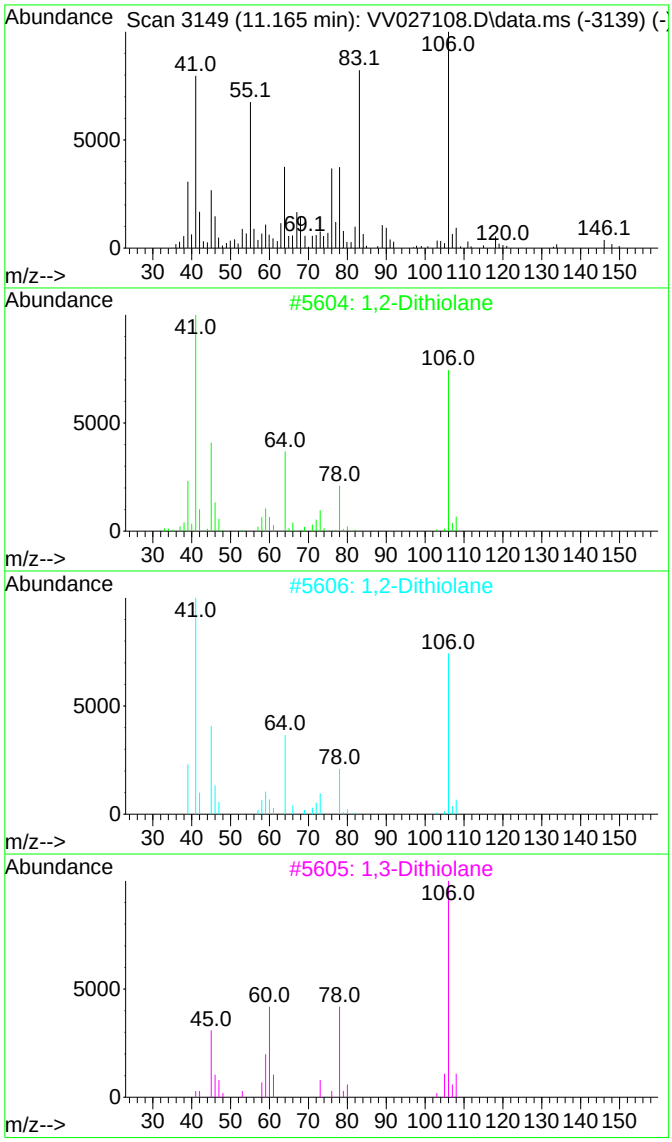
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

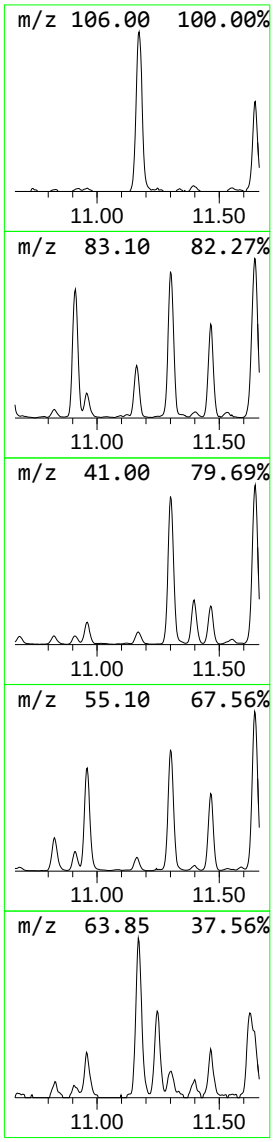
****

Peak Number 22 unknown-02 Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.165	6.46 ug/L	259233	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Dithiolane	106	C3H6S2	000557-22-2	49
2	1,2-Dithiolane	106	C3H6S2	000557-22-2	49
3	1,3-Dithiolane	106	C3H6S2	004829-04-3	38
4	1,3-Dithiolane	106	C3H6S2	004829-04-3	30
5	Aniline, N-cyclohexyloxycarbonyl...	264	C13H16N2O4	023294-39-5	22





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Data File : VV027108.D
Acq On : 30 Jul 2022 01:30
Operator : SY/MD
Sample : N3956-07
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF04

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

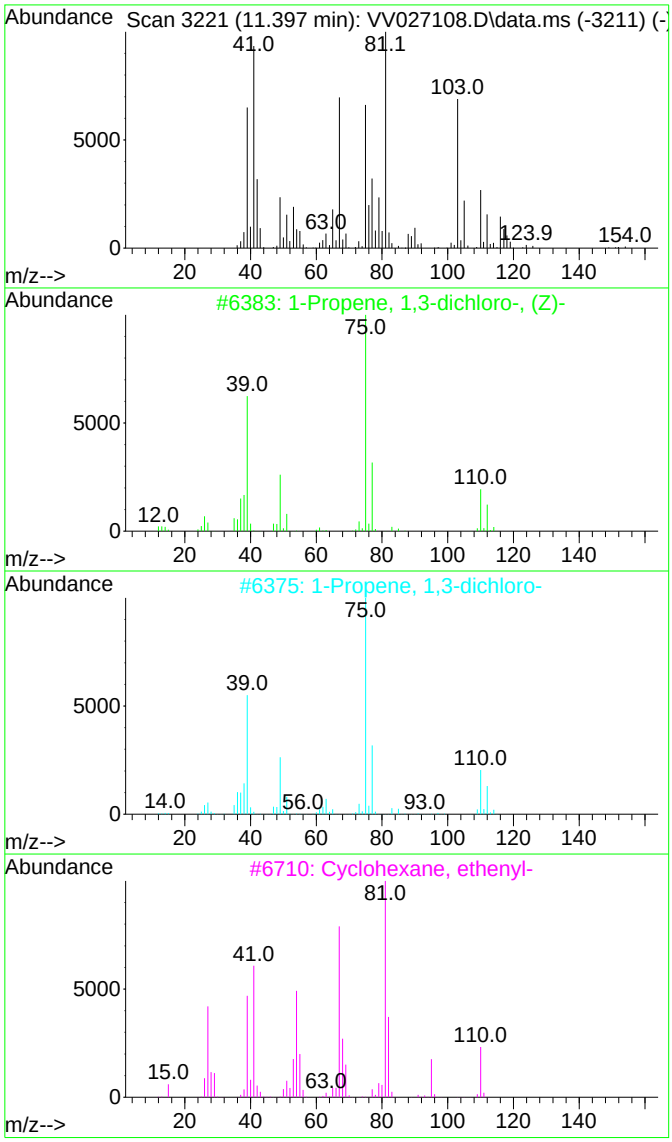
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

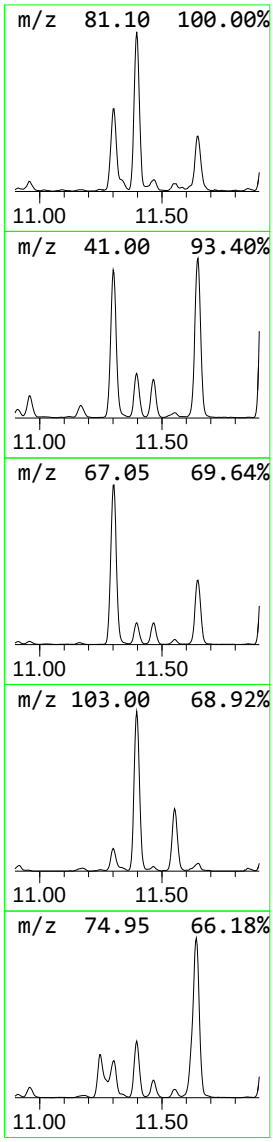
****

Peak Number 23 unknown-03 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.397	18.90 ug/L	758534	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propene, 1,3-dichloro-, (Z)-	110	C3H4Cl2	010061-01-5	27
2	1-Propene, 1,3-dichloro-	110	C3H4Cl2	000542-75-6	27
3	Cyclohexane, ethenyl-	110	C8H14	000695-12-5	25
4	Cyclohexane, ethylidene-	110	C8H14	001003-64-1	22
5	1-Propene, 1,3-dichloro-, (E)-	110	C3H4Cl2	010061-02-6	18





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Data File : VV027108.D
Acq On : 30 Jul 2022 01:30
Operator : SY/MD
Sample : N3956-07
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF04

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

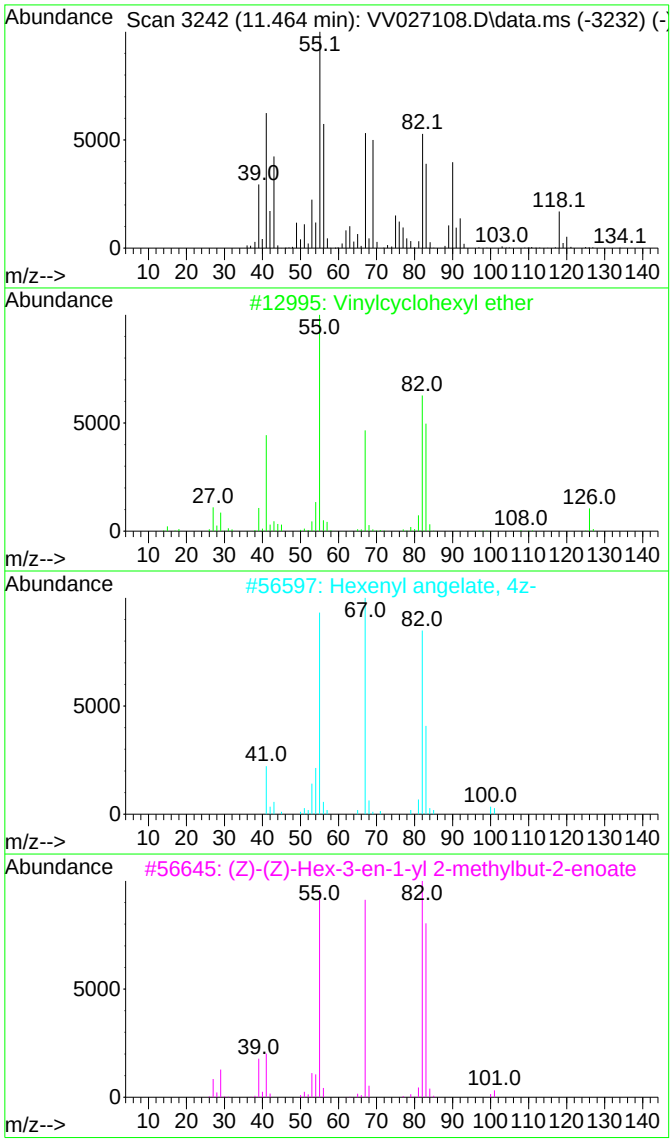
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

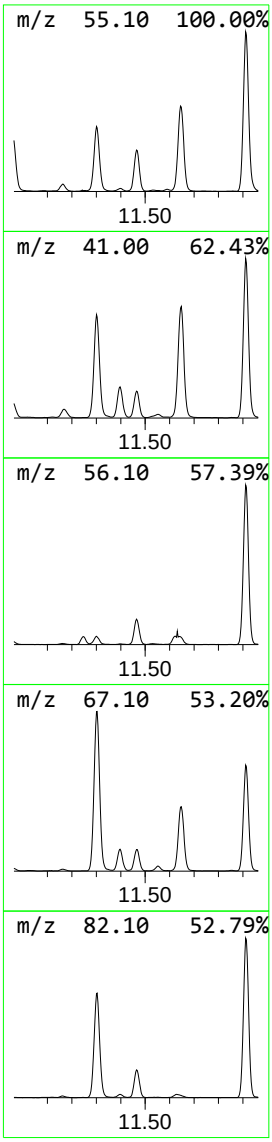
****

Peak Number 24 unknown-04 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.464	20.32 ug/L	815676	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Vinylcyclohexyl ether	126	C8H14O	002182-55-0	43
2	Hexenyl angelate, 4z-	182	C11H18O2	1000383-63-7	38
3	(Z)-(Z)-Hex-3-en-1-yl 2-methylbu...	182	C11H18O2	084060-80-0	35
4	1-Hexene, 3-chloro-	118	C6H11Cl	053101-38-5	27
5	1-Hexene, 1-chloro-, (E)-	118	C6H11Cl	050586-19-1	25





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Data File : VV027108.D
Acq On : 30 Jul 2022 01:30
Operator : SY/MD
Sample : N3956-07
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF04

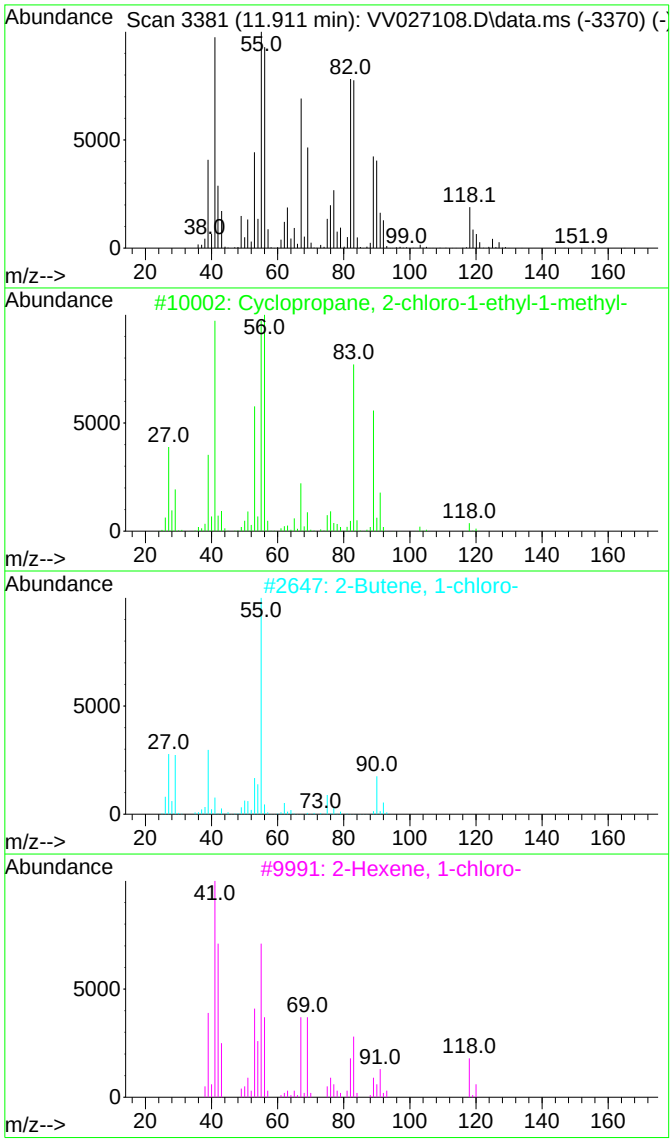
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

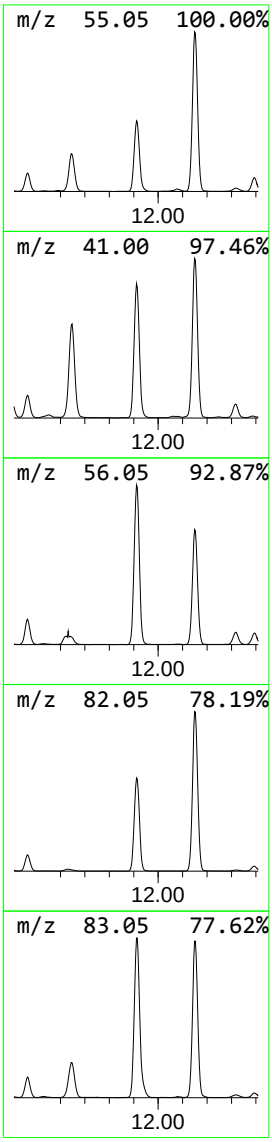
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 26 Cyclopropane, 2-chloro-1-et... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.911	105.56 ug/L	4236490	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	30
5	1-Butyne, 3-methyl-	68	C5H8	000598-23-2	25





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027108.D
Acq On : 30 Jul 2022 01:30
Operator : SY/MD
Sample : N3956-07
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF04

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

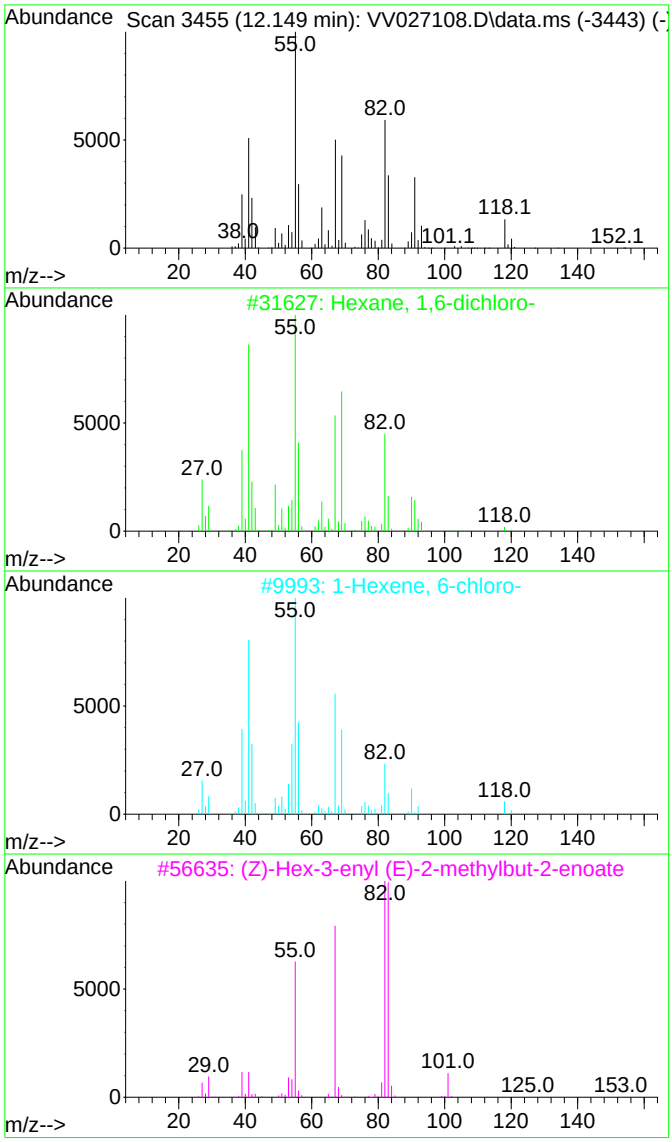
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

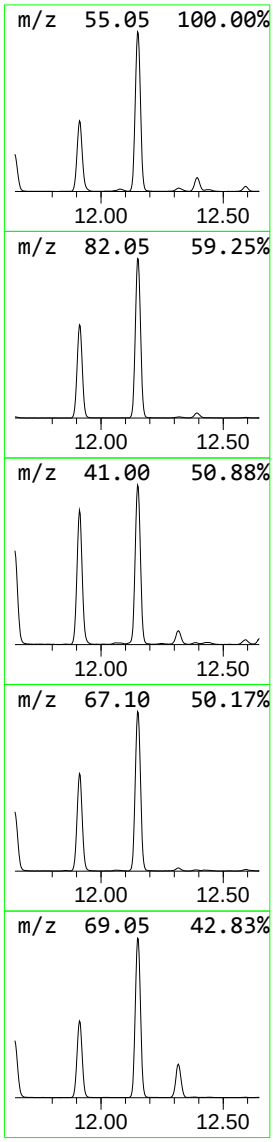
****

Peak Number 28 unknown-05 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.149	140.32 ug/L	5631900	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	42
2	1-Hexene, 6-chloro-	118	C6H11Cl	000928-89-2	40
3	(Z)-Hex-3-enyl (E)-2-methylbut-2...	182	C11H18O2	067883-79-8	35
4	1,3-Pentadiene, 2-methyl-, (E)-	82	C6H10	000926-54-5	35
5	4-Methyl-1,3-pentadiene	82	C6H10	000926-56-7	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027108.D
Acq On : 30 Jul 2022 01:30
Operator : SY/MD
Sample : N3956-07
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF04

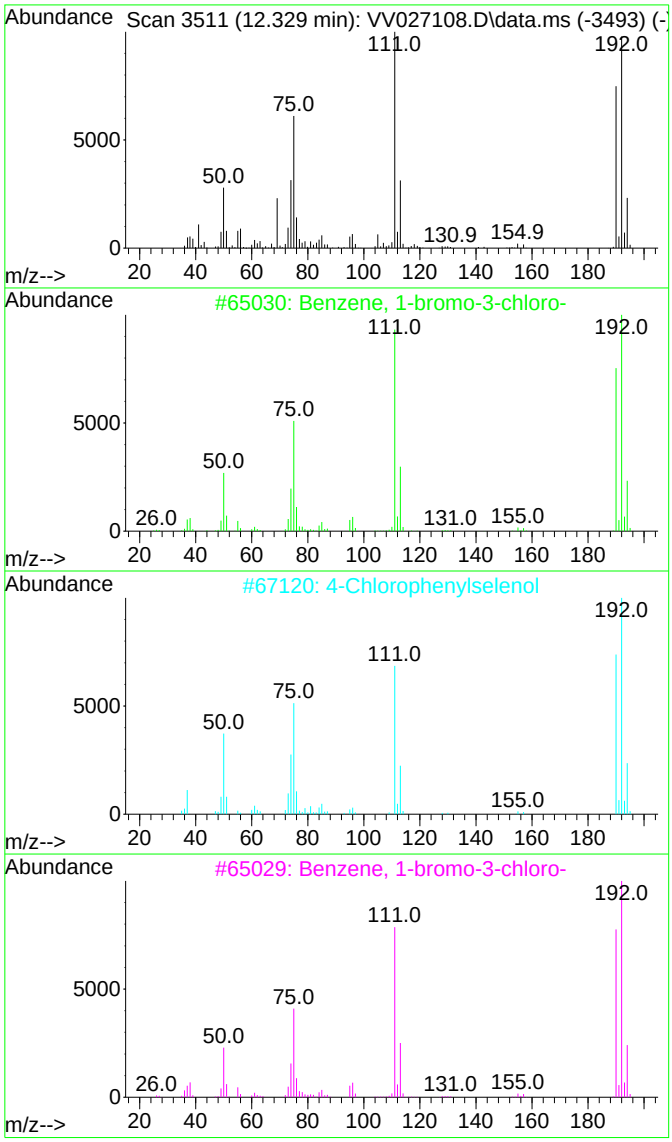
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

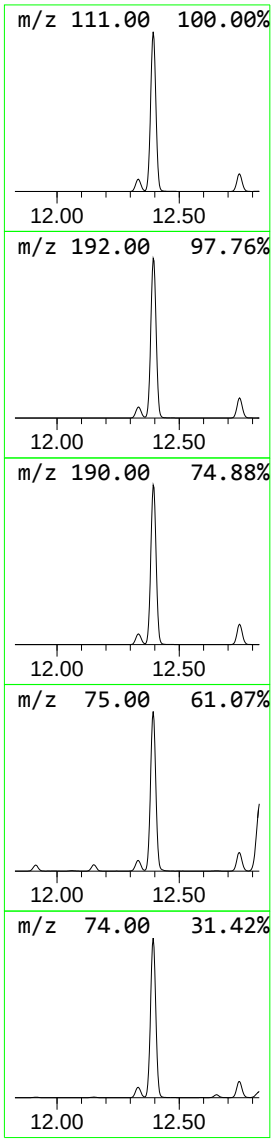
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 29 Benzene, 1-bromo-3-chloro- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.329	31.69 ug/L	1272030	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	98
2	4-Chlorophenylselenol	192	C6H5ClSe	016645-10-6	97
3	Benzene, 1-bromo-3-chloro-	190	C6H4BrCl	000108-37-2	97
4	Benzene, 1-bromo-3-chloro-	190	C6H4BrCl	000108-37-2	97
5	Benzene, 1-bromo-4-chloro-	190	C6H4BrCl	000106-39-8	97





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027108.D
Acq On : 30 Jul 2022 01:30
Operator : SY/MD
Sample : N3956-07
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF04

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

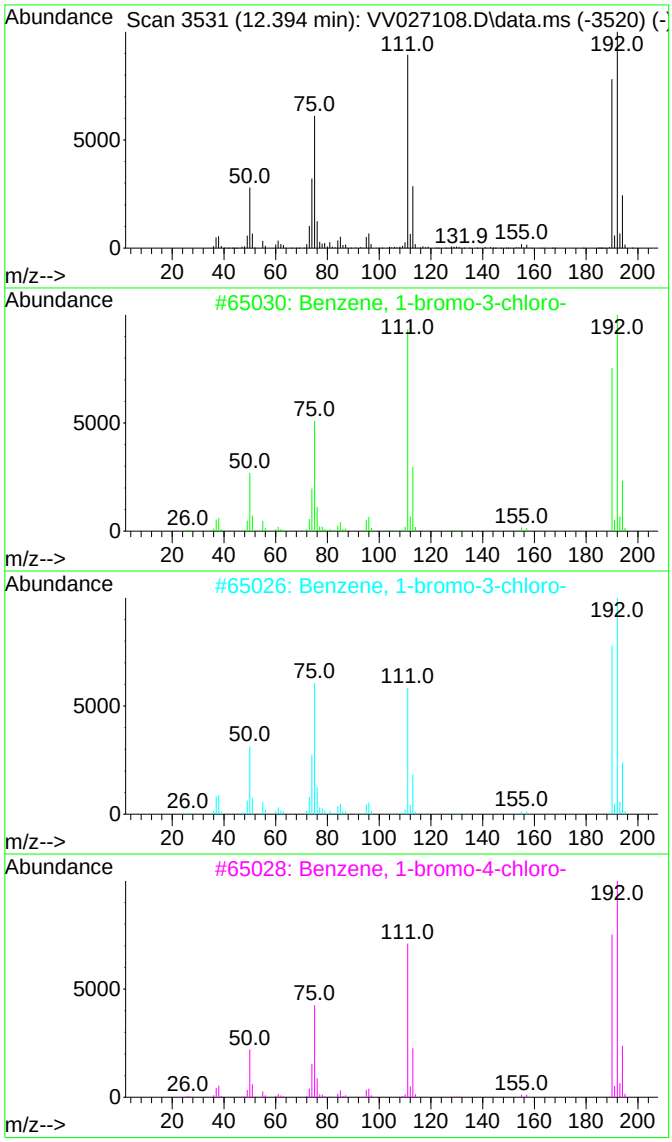
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

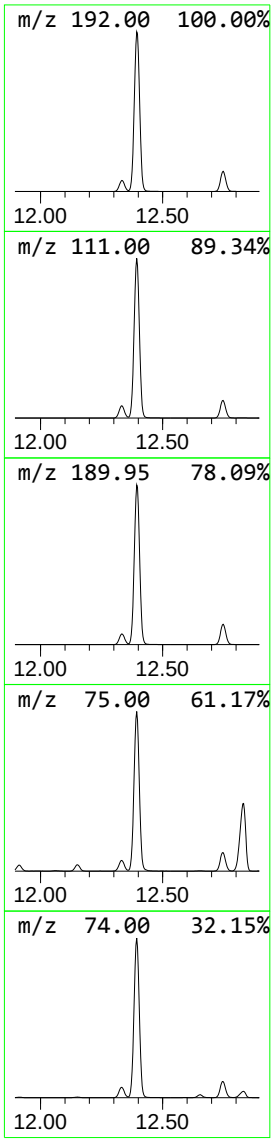
****

Peak Number 30 Benzene, 1-bromo-4-chloro- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.394	339.82 ug/L	13638500	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	98
2	Benzene, 1-bromo-3-chloro-	190	C6H4BrCl	000108-37-2	98
3	Benzene, 1-bromo-4-chloro-	190	C6H4BrCl	000106-39-8	98
4	Benzene, 1-bromo-2-chloro-	190	C6H4BrCl	000694-80-4	98
5	Benzene, 1-bromo-3-chloro-	190	C6H4BrCl	000108-37-2	97





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027108.D
Acq On : 30 Jul 2022 01:30
Operator : SY/MD
Sample : N3956-07
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF04

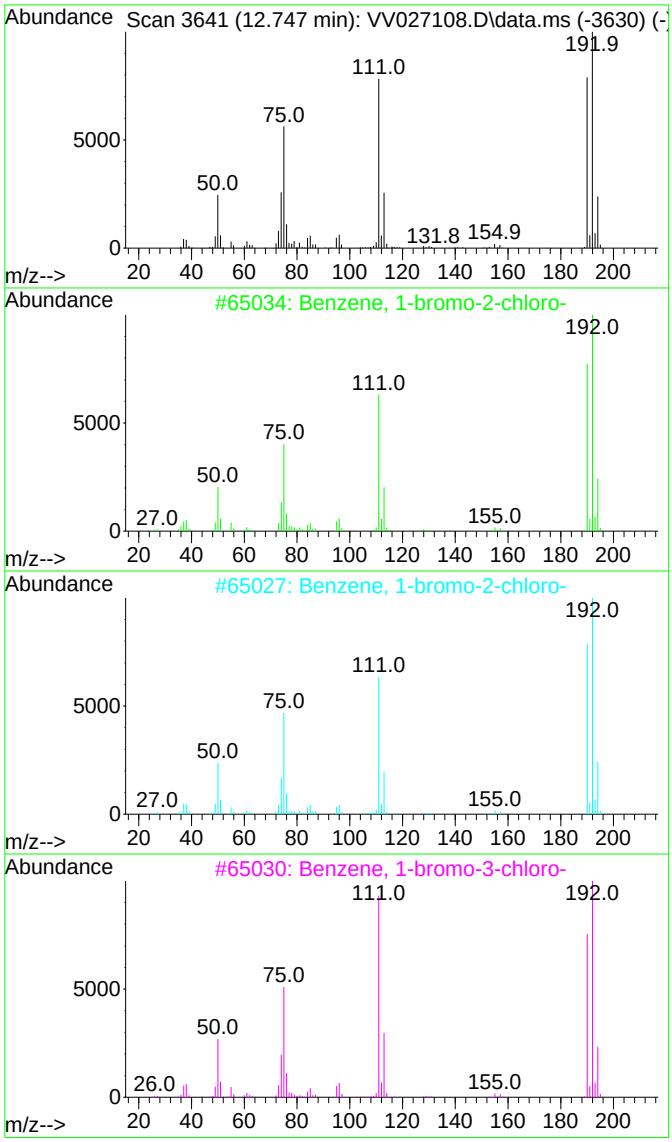
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

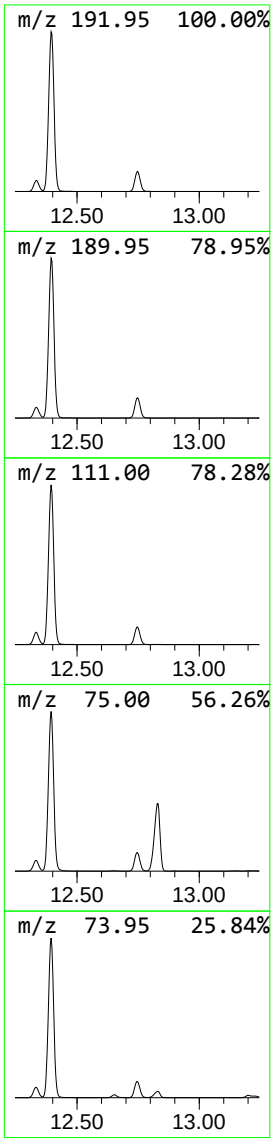
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 33 Benzene, 1-bromo-2-chloro- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.747	40.11 ug/L	1609710	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	99
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-4-chloro-	190	C6H4BrCl	000106-39-8	98
5	Benzene, 1-bromo-3-chloro-	190	C6H4BrCl	000108-37-2	97





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027108.D
Acq On : 30 Jul 2022 01:30
Operator : SY/MD
Sample : N3956-07
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF04

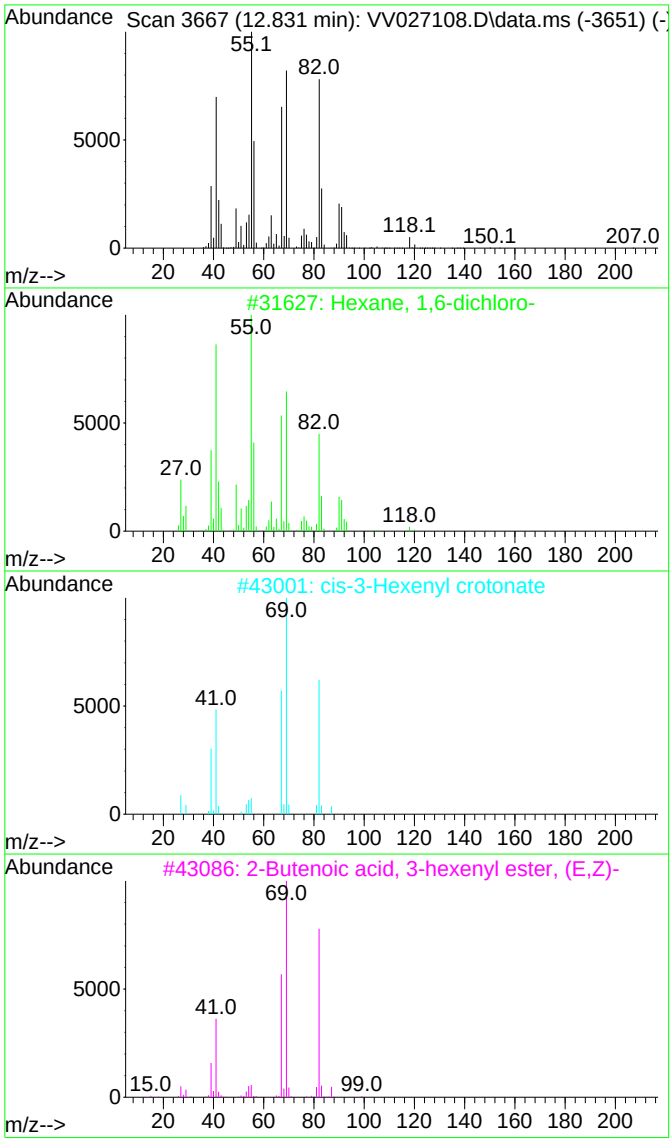
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

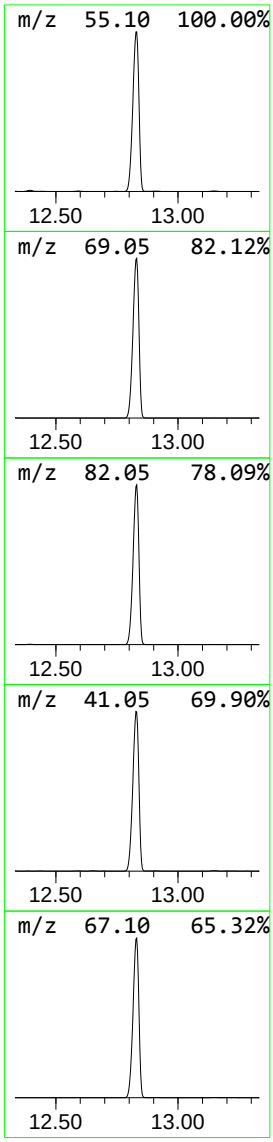
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 34 Hexane, 1,6-dichloro- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.831	2136.70 ug/L	85755500	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	64
2	cis-3-Hexenyl crotonate	168	C10H16O2	1000429-17-4	50
3	2-Butenoic acid, 3-hexenyl ester...	168	C10H16O2	065405-80-3	50
4	Chloroacetic acid, 6-chlorohexyl...	212	C8H14Cl2O2	1000330-85-5	38
5	Hexane, 1,6-dichloro-	154	C6H12Cl2	002163-00-0	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027108.D
Acq On : 30 Jul 2022 01:30
Operator : SY/MD
Sample : N3956-07
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF04

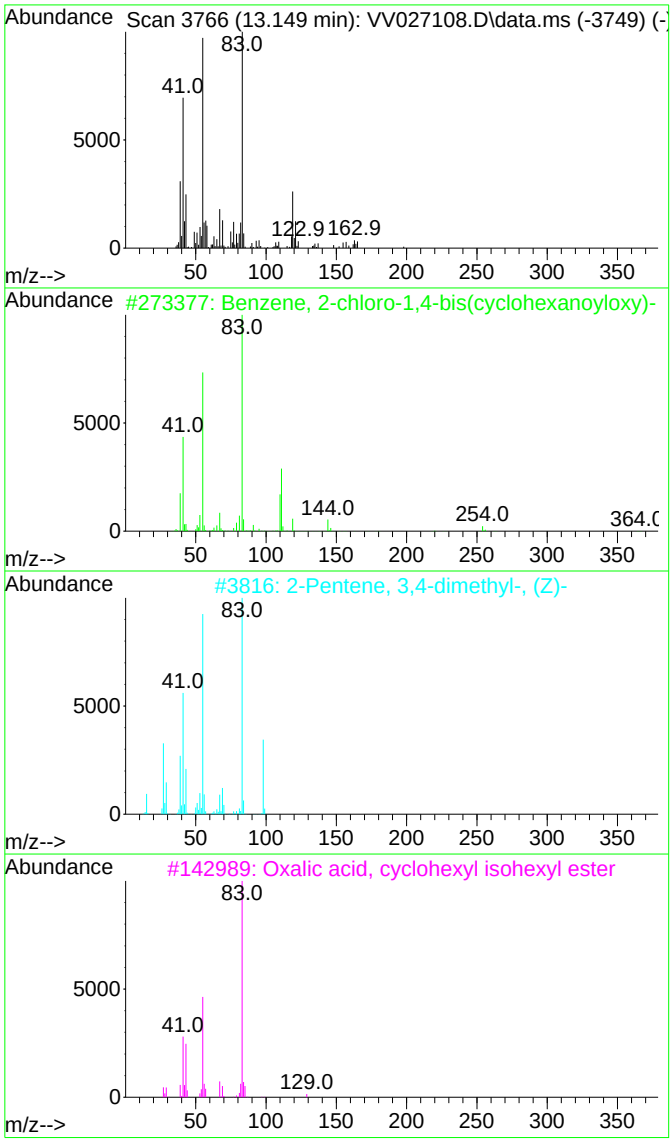
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

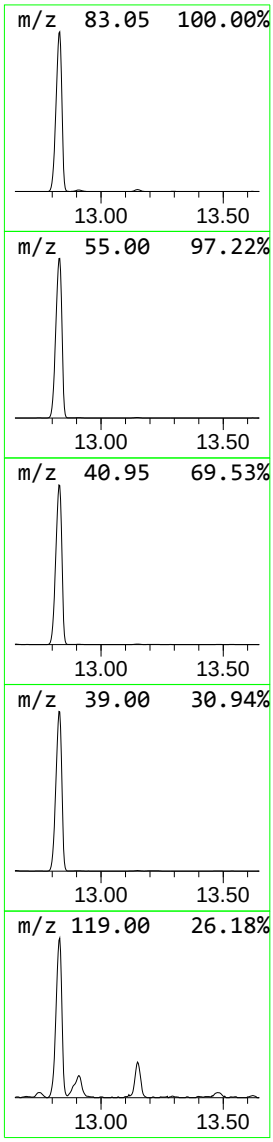
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 36 Benzene, 2-chloro-1,4-bis(c... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.149	6.33 ug/L	254110	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-chloro-1,4-bis(cycloh...	364	C20H25ClO4	294874-04-7	53
2	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	50
3	Oxalic acid, cyclohexyl isohexyl...	256	C14H24O4	1010309-30-7	50
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	50
5	3,4-Dimethyl-2-hexene	112	C8H16	002213-37-8	50





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Data File : VV027108.D
Acq On : 30 Jul 2022 01:30
Operator : SY/MD
Sample : N3956-07
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF04

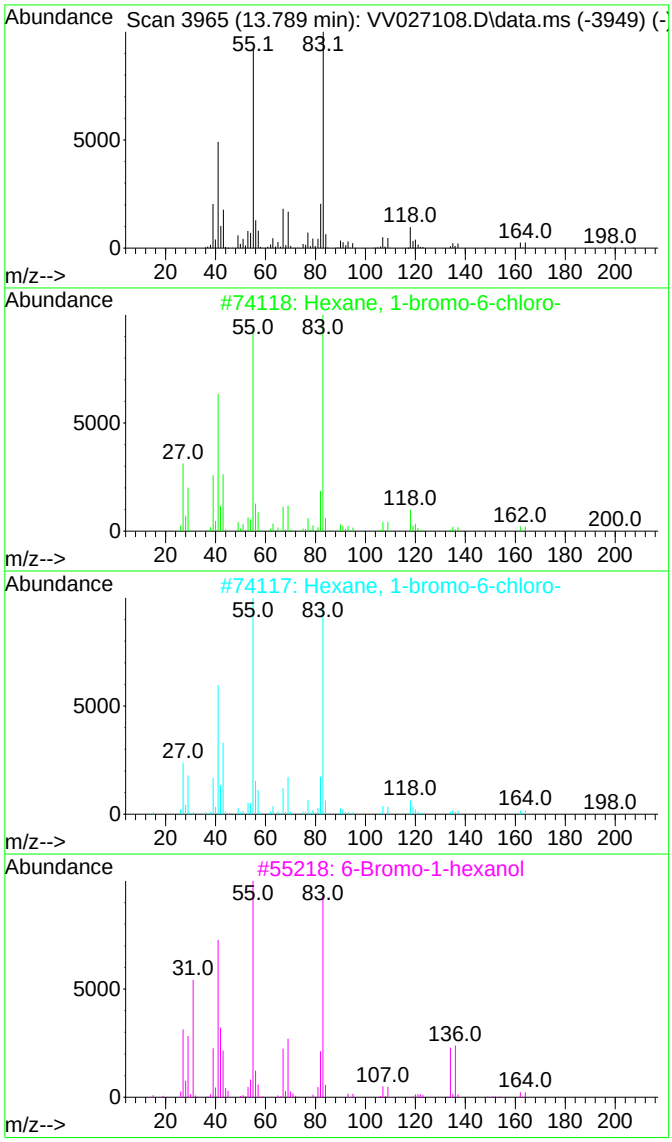
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

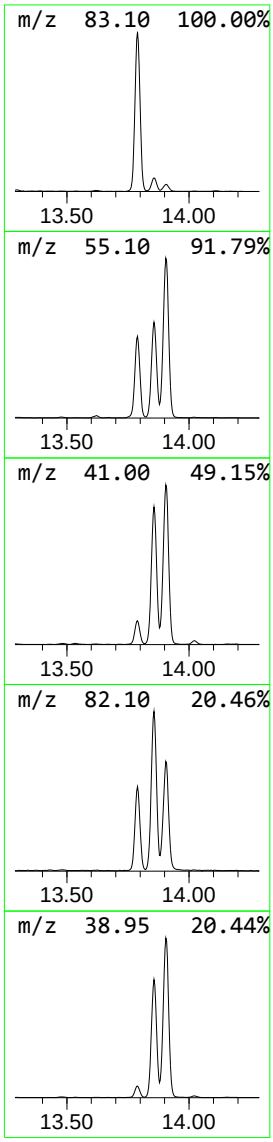
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 39 Hexane, 1-bromo-6-chloro- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.789	29.98 ug/L	1203340	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	80
3	6-Bromo-1-hexanol	180	C6H13BrO	004286-55-9	72
4	Cyclopentane, 1-ethyl-1-methyl-	112	C8H16	016747-50-5	59
5	Cyclohexane, propyl-	126	C9H18	001678-92-8	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027108.D
Acq On : 30 Jul 2022 01:30
Operator : SY/MD
Sample : N3956-07
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF04

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

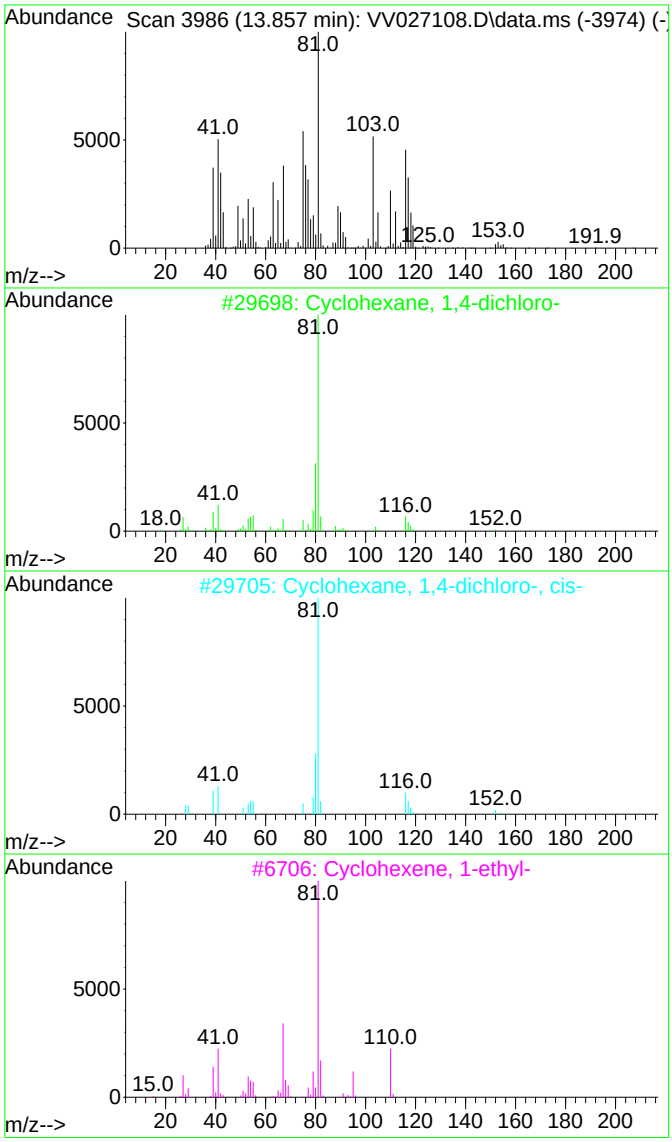
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

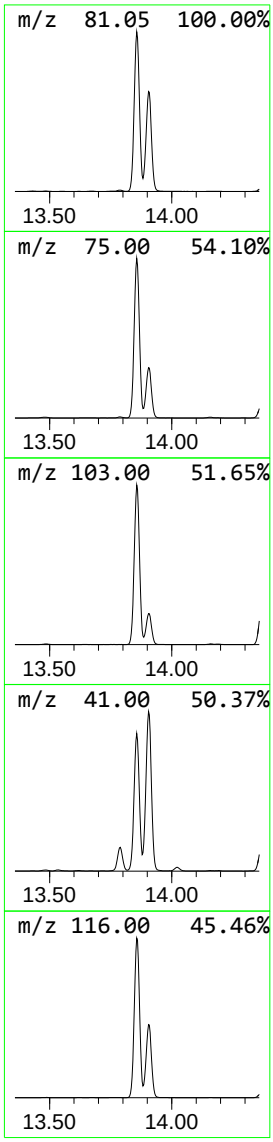
****

Peak Number 40 unknown-06 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.857	316.24 ug/L	12692000	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,4-dichloro-	152	C6H10Cl2	019398-57-3	22
2	Cyclohexane, 1,4-dichloro-, cis-	152	C6H10Cl2	016749-11-4	22
3	Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	18
4	Cyclohexane, ethylidene-	110	C8H14	001003-64-1	14
5	1-Propene, 1,3-dichloro-, (E)-	110	C3H4Cl2	010061-02-6	14





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027108.D
Acq On : 30 Jul 2022 01:30
Operator : SY/MD
Sample : N3956-07
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF04

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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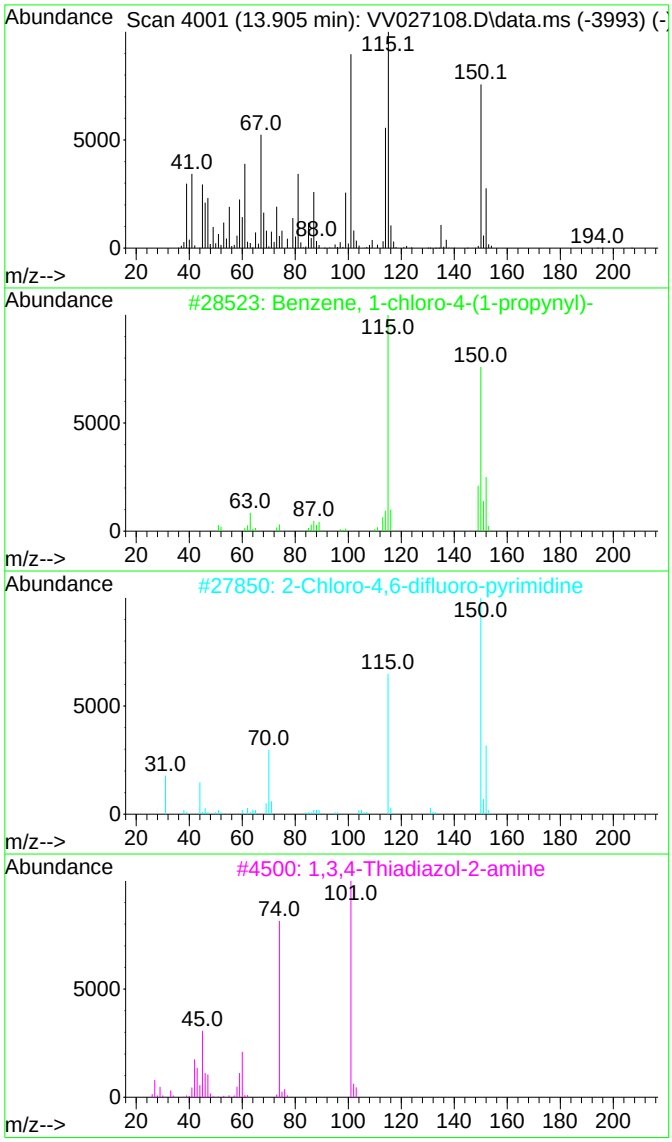
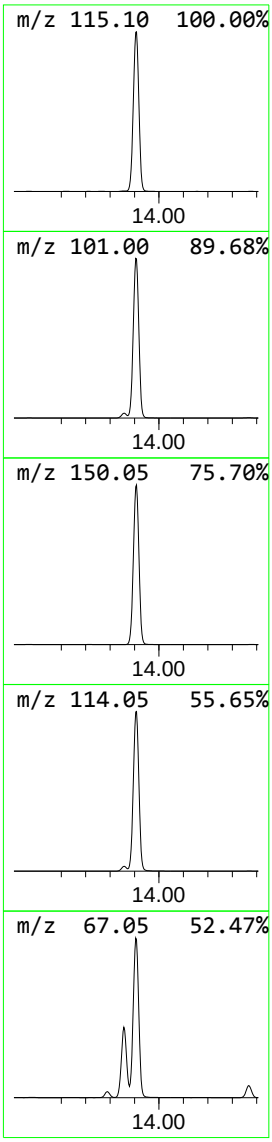
Peak Number 41 unknown-07 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.905	580.20 ug/L	23285900	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	38
2	2-Chloro-4,6-difluoro-pyrimidine	150	C4HClF2N2	038953-30-9	22
3	1,3,4-Thiadiazol-2-amine	101	C2H3N3S	004005-51-0	11
4	Imidazo[5,1-f][1,2,4]triazine-2,...	150	C5H6N6	051292-20-7	11
5	3H-1,2,4-Triazole-3-thione, 1,2-...	101	C2H3N3S	003179-31-5	10





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027108.D
Acq On : 30 Jul 2022 01:30
Operator : SY/MD
Sample : N3956-07
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF04

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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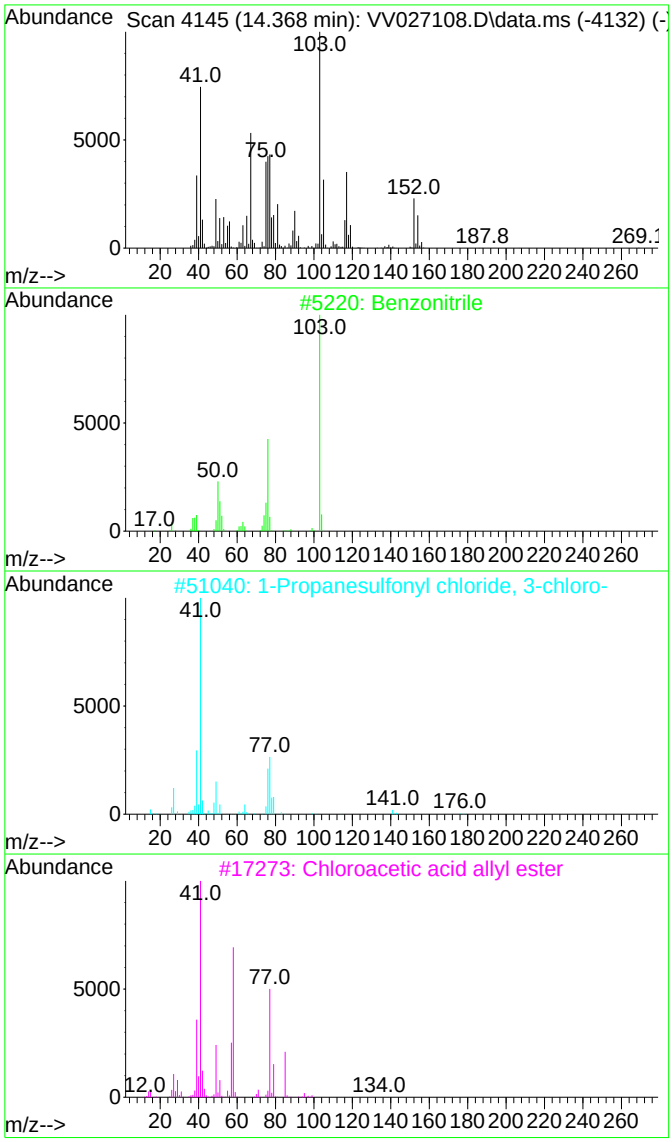
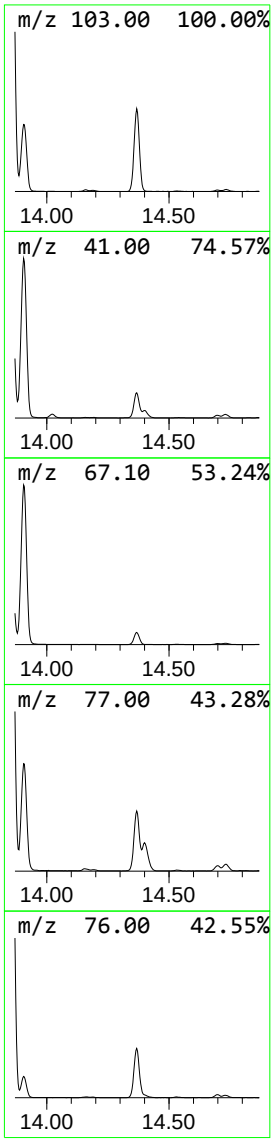
Peak Number 43 unknown-08 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.368	36.47 ug/L	1463720	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzonitrile	103	C7H5N	000100-47-0	22
2	1-Propanesulfonyl chloride, 3-ch...	176	C3H6Cl2O2S	001633-82-5	16
3	Chloroacetic acid allyl ester	134	C5H7ClO2	002916-14-5	14
4	1H-1,2,4-Triazole, 3-chloro-	103	C2H2ClN3	006818-99-1	14
5	Benzonitrile	103	C7H5N	000100-47-0	12





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027108.D
Acq On : 30 Jul 2022 01:30
Operator : SY/MD
Sample : N3956-07
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF04

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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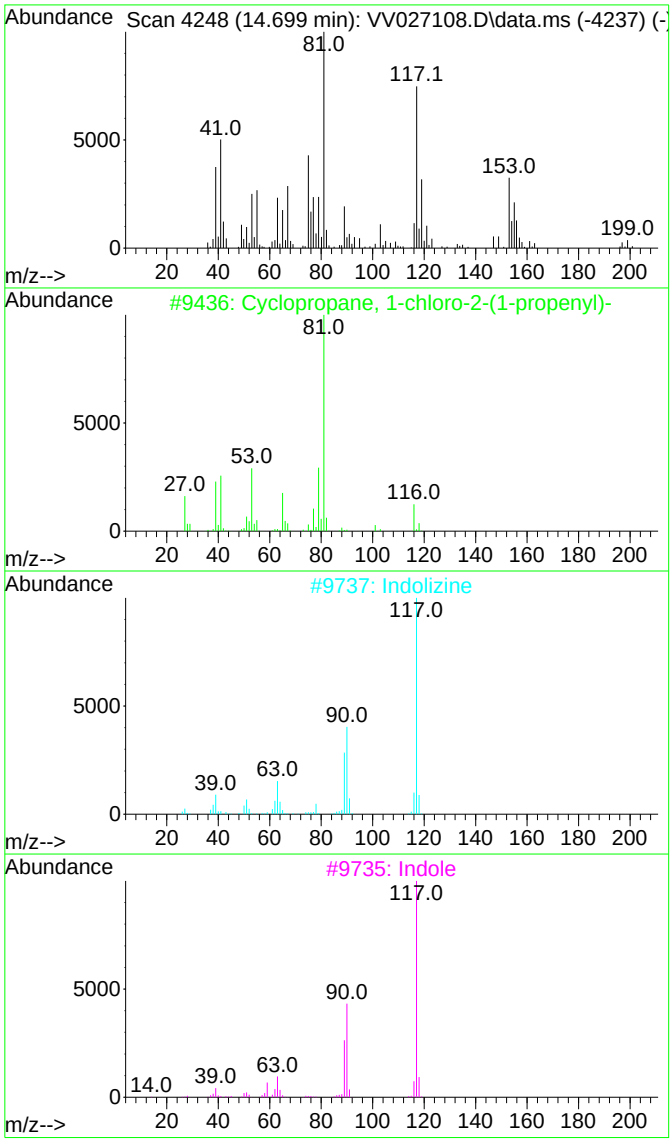
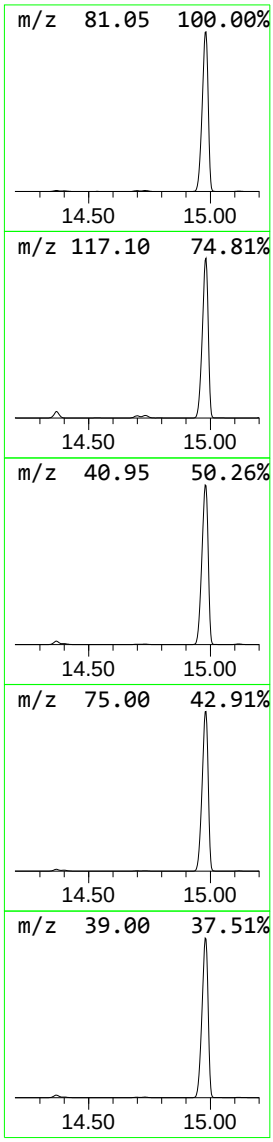
Peak Number 44 unknown-09 Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.699	5.79 ug/L	232412	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopropane, 1-chloro-2-(1-prop...	116	C6H9Cl	074752-94-6	25
2	Indolizine	117	C8H7N	000274-40-8	20
3	Indole	117	C8H7N	000120-72-9	18
4	Benzyl nitrile	117	C8H7N	000140-29-4	18
5	Benzonitrile, 2-methyl-	117	C8H7N	000529-19-1	18





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027108.D
Acq On : 30 Jul 2022 01:30
Operator : SY/MD
Sample : N3956-07
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF04

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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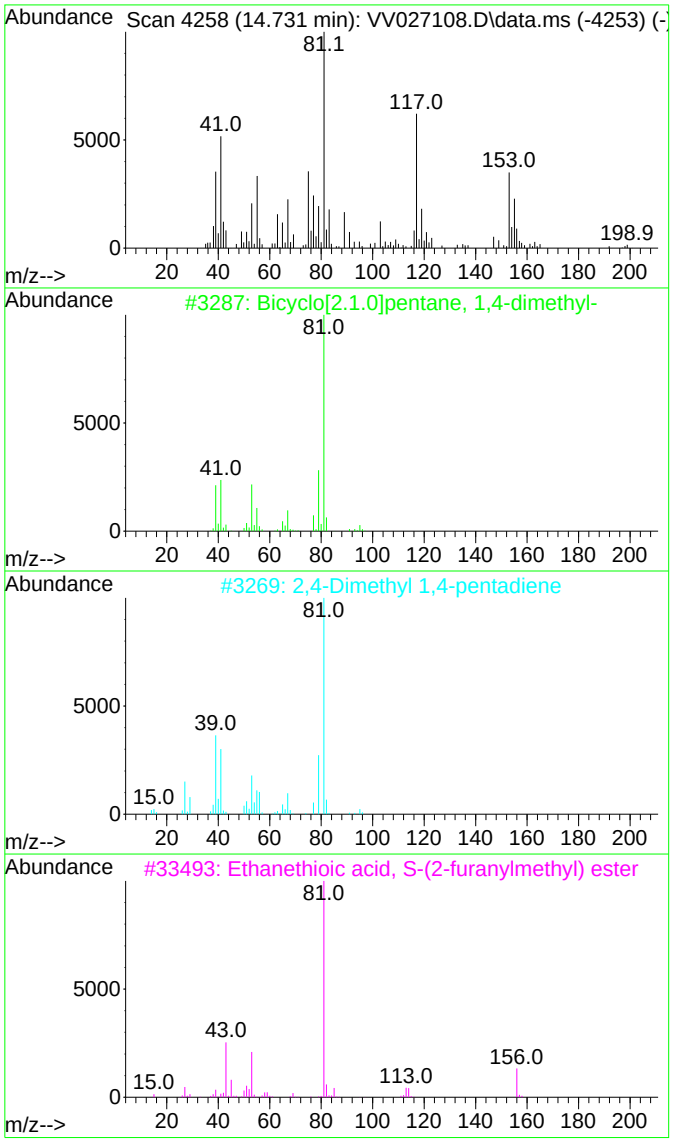
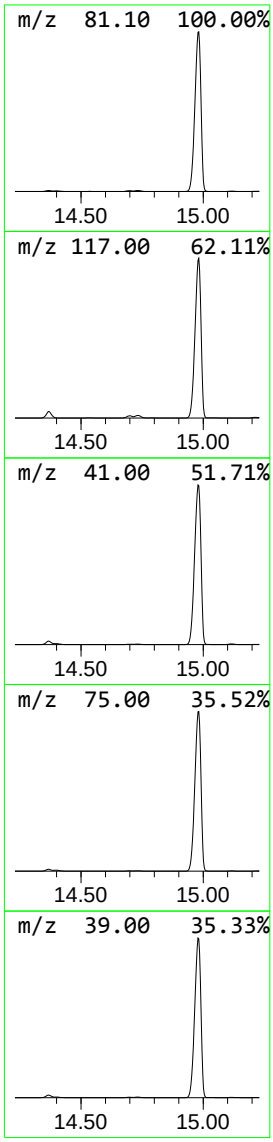
Peak Number 45 unknown-10 Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.731	7.49 ug/L	300519	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.1.0]pentane, 1,4-dimet...	96	C7H12	017065-18-8	30
2	2,4-Dimethyl 1,4-pentadiene	96	C7H12	004161-65-3	27
3	Ethanethioic acid, S-(2-furanylm...	156	C7H8O2S	013678-68-7	27
4	1,4-Pentadiene, 3,3-dimethyl-	96	C7H12	001112-35-2	27
5	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	27





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027108.D
Acq On : 30 Jul 2022 01:30
Operator : SY/MD
Sample : N3956-07
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF04

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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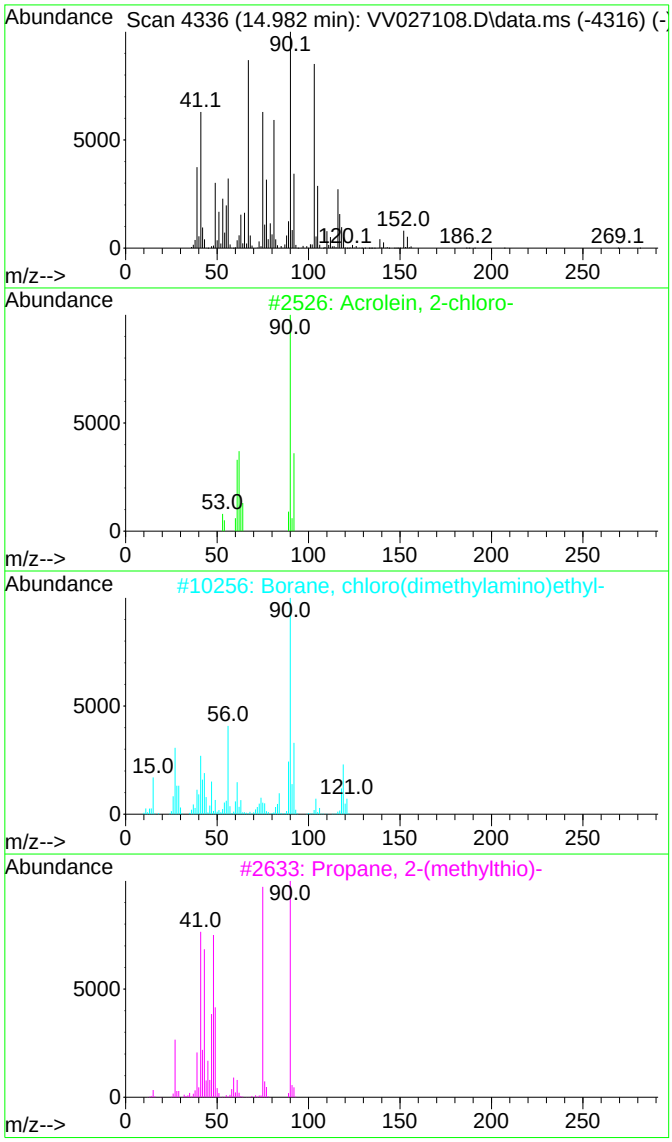
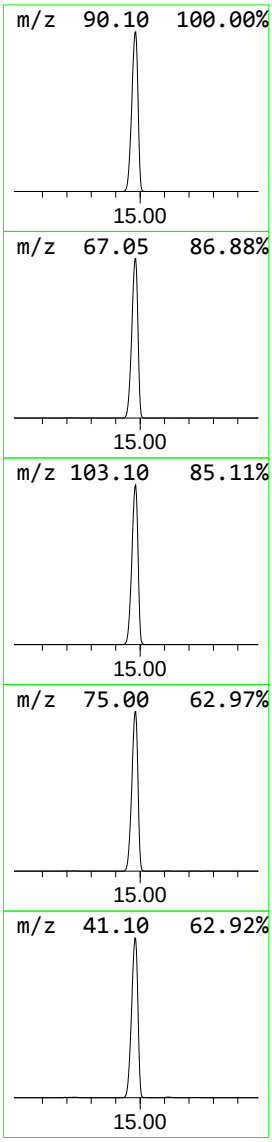
Peak Number 46 unknown-11 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.982	2628.10 ug/L	105478000	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	Borane, chloro(dimethylamino)ethyl-	119	C4H11BClN	001739-26-0	32
3	Propane, 2-(methylthio)-	90	C4H10S	001551-21-9	28
4	1,3,5-Trichloro-4-methyl-2-penta...	202	C6H9Cl3O	1000140-03-8	25
5	3-Thietanol	90	C3H6OS	010304-16-2	25





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027108.D
Acq On : 30 Jul 2022 01:30
Operator : SY/MD
Sample : N3956-07
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF04

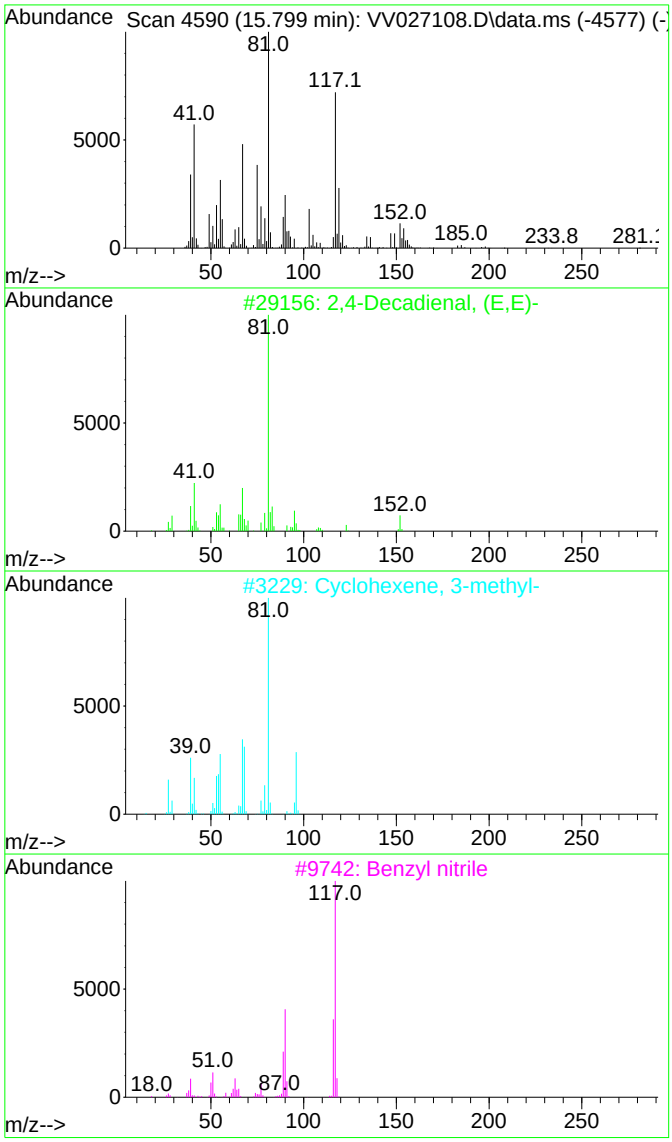
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072822WMA.M
Quant Title : VOC Analysis

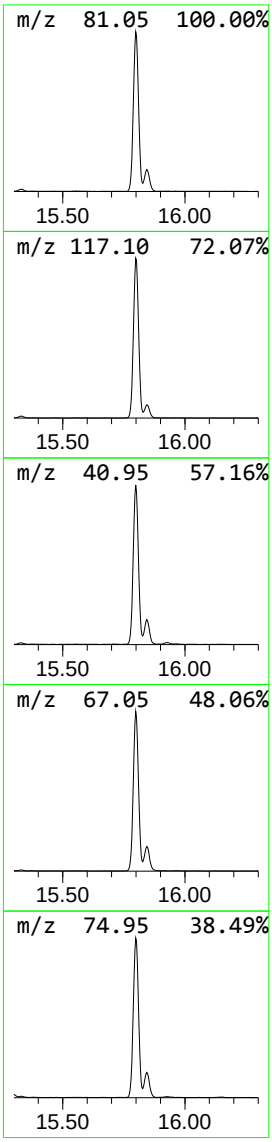
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 49 unknown-12 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.799	88.76 ug/L	3562290	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	35
2	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	27
3	Benzyl nitrile	117	C8H7N	000140-29-4	25
4	Benzyl nitrile	117	C8H7N	000140-29-4	25
5	Benzyl nitrile	117	C8H7N	000140-29-4	15





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027108.D
Acq On : 30 Jul 2022 01:30
Operator : SY/MD
Sample : N3956-07
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF04

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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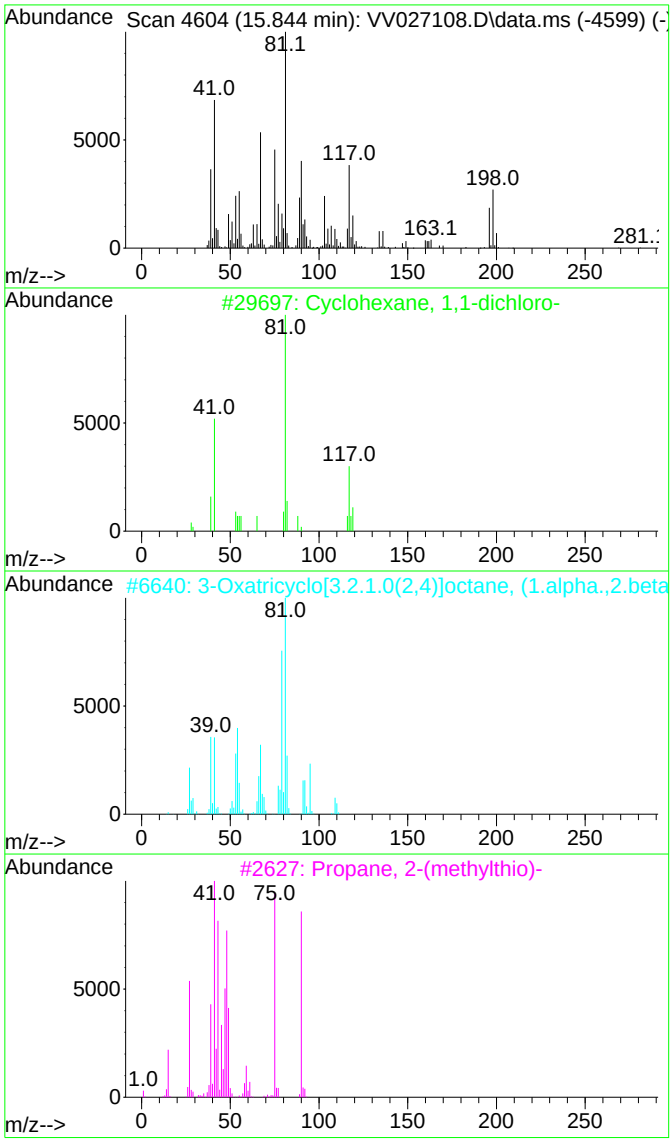
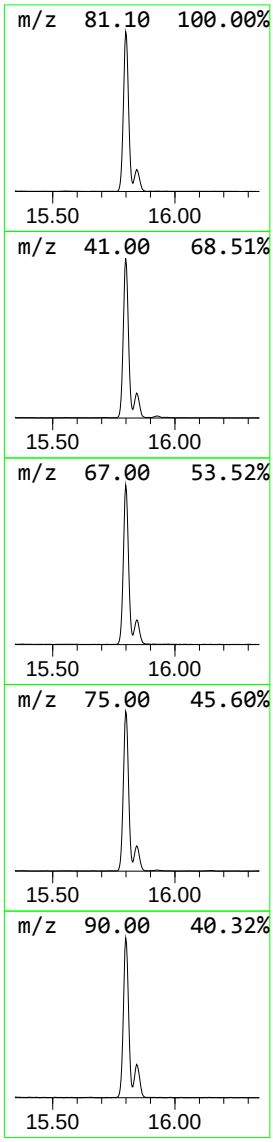
Peak Number 50 unknown-13 Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.844	13.17 ug/L	528531	1,4-Dichlorobenzene-d4	11.249

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1-dichloro-	152	C6H10Cl2	002108-92-1	22
2	3-Oxatricyclo[3.2.1.0(2,4)]octan...	110	C7H10O	003146-39-2	18
3	Propane, 2-(methylthio)-	90	C4H10S	001551-21-9	11
4	Furan, 2-propyl-	110	C7H10O	004229-91-8	11
5	Selenide, allyl phenyl	198	C9H10Se	1000313-33-7	11





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV072922\
Data File : VV027108.D
Acq On : 30 Jul 2022 01:30
Operator : SY/MD
Sample : N3956-07
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EXF04

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	1419.7	ug/L	37664600	1	5.613	1326480	50.0
Allene	1.169	17.4	ug/L	462961	1	5.613	1326480	50.0
(DEL) Alkane: C...	1.198	93.4	ug/L	2478720	1	5.613	1326480	50.0
(DEL) Alkane: S...	2.571	4.3	ug/L	113237	1	5.613	1326480	50.0
1,5-Hexadiene	2.828	9.8	ug/L	259269	1	5.613	1326480	50.0
(DEL) Alkane: C...	3.757	5.6	ug/L	148349	1	5.613	1326480	50.0
Furan, tetrahyd...	5.889	158.6	ug/L	4207870	1	5.613	1326480	50.0
Thietane	6.371	248.9	ug/L	6603400	1	5.613	1326480	50.0
Furan, tetrahyd...	6.709	7.8	ug/L	207457	1	5.613	1326480	50.0
2H-Pyran, tetra...	6.899	1326.3	ug/L	35184800	1	5.613	1326480	50.0
Propane, 1,3-di...	8.037	62.6	ug/L	148022000	2	8.857	118299000	50.0
2H-Thiopyran, t...	10.082	37.6	ug/L	1511240	3	11.249	2006730	50.0
Thiophene, 2-et...	10.407	34.1	ug/L	1369340	3	11.249	2006730	50.0
(DEL) Alkane: C...	10.638	7.7	ug/L	309592	3	11.249	2006730	50.0
unknown-01	10.683	13.9	ug/L	557688	3	11.249	2006730	50.0
5-Chlorovaleric...	10.825	6.6	ug/L	264608	3	11.249	2006730	50.0
unknown-02	11.165	6.5	ug/L	259233	3	11.249	2006730	50.0
unknown-03	11.397	18.9	ug/L	758534	3	11.249	2006730	50.0
unknown-04	11.464	20.3	ug/L	815676	3	11.249	2006730	50.0
Cyclopropane, 2...	11.911	105.6	ug/L	4236490	3	11.249	2006730	50.0
unknown-05	12.149	140.3	ug/L	5631900	3	11.249	2006730	50.0
Benzene, 1-brom...	12.329	31.7	ug/L	1272030	3	11.249	2006730	50.0
Benzene, 1-brom...	12.394	339.8	ug/L	13638500	3	11.249	2006730	50.0
Benzene, 1-brom...	12.747	40.1	ug/L	1609710	3	11.249	2006730	50.0
Hexane, 1,6-dic...	12.831	2136.7	ug/L	85755500	3	11.249	2006730	50.0
Benzene, 2-chlo...	13.149	6.3	ug/L	254110	3	11.249	2006730	50.0
Hexane, 1-bromo...	13.789	30.0	ug/L	1203340	3	11.249	2006730	50.0
unknown-06	13.857	316.2	ug/L	12692000	3	11.249	2006730	50.0
unknown-07	13.905	580.2	ug/L	23285900	3	11.249	2006730	50.0
unknown-08	14.368	36.5	ug/L	1463720	3	11.249	2006730	50.0
unknown-09	14.699	5.8	ug/L	232412	3	11.249	2006730	50.0
unknown-10	14.731	7.5	ug/L	300519	3	11.249	2006730	50.0
unknown-11	14.982	2628.1	ug/L	105478000	3	11.249	2006730	50.0
unknown-12	15.799	88.8	ug/L	3562290	3	11.249	2006730	50.0
unknown-13	15.844	13.2	ug/L	528531	3	11.249	2006730	50.0