LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080222\
Data File : VX030346.D
Acq On : 02 Aug 2022 12:46
Operator : JC/MD
Sample : N3964-01
Misc : 5.02g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
HMGP-SOIL-A

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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_X\Method\82X072522W.M
Title : SW846 8260

Signal : TIC: VX030346.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.240	21	25	38	rBV2	21808	50916	3.74%	0.469%
2	1.606	77	85	86	rBV6	8073	17277	1.27%	0.159%
3	2.770	271	276	287	rVB3	10799	25123	1.85%	0.232%
4	2.947	295	305	319	rBV2	33265	99360	7.30%	0.916%
5	4.605	568	577	589	rBV2	11224	46657	3.43%	0.430%
6	5.391	695	706	718	rBV2	147107	432591	31.78%	3.986%
7	5.550	722	732	750	rVB	168282	486053	35.71%	4.479%
8	5.958	786	799	821	rBV	178177	492021	36.15%	4.534%
9	6.367	856	866	873	rBV3	10129	30052	2.21%	0.277%
10	6.763	921	931	943	rBV	261745	640358	47.05%	5.901%
11	7.220	1000	1006	1016	rVB5	5394	15088	1.11%	0.139%
12	8.653	1234	1241	1248	rVV	836872	1360992	100.00%	12.542%
13	8.757	1255	1258	1266	rVB3	8427	17797	1.31%	0.164%
14	10.055	1466	1471	1481	rVB	606285	832691	61.18%	7.674%
15	10.195	1490	1494	1501	rBV	11335	17705	1.30%	0.163%
16	10.305	1504	1512	1518	rBV2	17195	32275	2.37%	0.297%
17	10.945	1612	1617	1624	rVB	104865	146310	10.75%	1.348%
18	11.086	1635	1640	1648	rBV	631889	838646	61.62%	7.728%
19	11.384	1684	1689	1695	rVV6	10401	26273	1.93%	0.242%
20	11.457	1695	1701	1703	rVV3	19993	34603	2.54%	0.319%
21	11.482	1703	1705	1711	rVB3	14292	18352	1.35%	0.169%
22	11.622	1723	1728	1735	rBV6	6712	16528	1.21%	0.152%
23	11.756	1746	1750	1753	rBV	30379	41659	3.06%	0.384%
24	11.969	1776	1785	1788	rBV7	15898	28126	2.07%	0.259%
25	12.024	1788	1794	1800	rVV	808260	1064074	78.18%	9.806%
26	12.091	1800	1805	1810	rVB3	11623	26586	1.95%	0.245%
27	12.250	1826	1831	1838	rBV2	39766	65167	4.79%	0.601%
28	12.323	1838	1843	1849	rVB4	14243	29552	2.17%	0.272%
29	12.421	1854	1859	1864	rBV2	26676	36216	2.66%	0.334%
30	12.902	1932	1938	1939	rBV4	10862	17667	1.30%	0.163%
31	12.969	1946	1949	1954	rVB2	17534	24274	1.78%	0.224%
32	13.170	1976	1982	1987	rBV	19413	25777	1.89%	0.238%
33	13.292	1994	2002	2007	rBV3	24299	40357	2.97%	0.372%
34	13.347	2007	2011	2015	rVV	33445	45334	3.33%	0.418%
35	13.390	2015	2018	2020	rVV	10396	14848	1.09%	0.137%
36	13.427	2020	2024	2034	rVB	48232	74430	5.47%	0.686%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080222\
Data File : VX030346.D
Acq On : 02 Aug 2022 12:46
Operator : JC/MD
Sample : N3964-01
Misc : 5.02g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
HMGP-SOIL-A

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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_X\Method\82X072522W.M
Title : SW846 8260

37	13.585	2047	2050	2059	rVB7	8582	15154	1.11%	0.140%
38	13.683	2061	2066	2071	rBV7	7027	15797	1.16%	0.146%
39	13.780	2076	2082	2088	rVV	728539	937156	68.86%	8.636%
40	13.847	2088	2093	2095	rVV5	12661	25075	1.84%	0.231%
41	13.872	2095	2097	2100	rVV	14106	16192	1.19%	0.149%
42	14.225	2151	2155	2157	rBV2	18694	24874	1.83%	0.229%
43	14.323	2166	2171	2177	rBV2	20823	37910	2.79%	0.349%
44	14.640	2215	2223	2233	rVB	210891	276863	20.34%	2.551%
45	14.780	2240	2246	2253	rVB	501598	624162	45.86%	5.752%
46	14.963	2271	2276	2280	rBV8	12456	21732	1.60%	0.200%
47	15.207	2308	2316	2321	rBV	57506	86817	6.38%	0.800%
48	15.268	2321	2326	2331	rVB9	9058	16757	1.23%	0.154%
49	15.377	2339	2344	2347	rBV	40819	58880	4.33%	0.543%
50	15.414	2347	2350	2354	rVB5	25601	37428	2.75%	0.345%
51	15.481	2355	2361	2372	rVB	144606	245645	18.05%	2.264%
52	15.615	2377	2383	2386	rVV	222214	326694	24.00%	3.011%
53	15.652	2386	2389	2398	rVV	105092	165137	12.13%	1.522%
54	15.743	2400	2404	2410	rVB7	19308	28768	2.11%	0.265%
55	15.987	2438	2444	2455	rVB	62725	111479	8.19%	1.027%
56	16.091	2455	2461	2468	rBV2	44626	80002	5.88%	0.737%
57	16.194	2475	2478	2485	rVB4	15773	28973	2.13%	0.267%
58	16.328	2492	2500	2511	rBV2	142415	289011	21.24%	2.663%
59	16.566	2531	2539	2540	rVV6	11021	22869	1.68%	0.211%
60	16.603	2541	2545	2549	rVV2	26097	47234	3.47%	0.435%
61	16.658	2549	2554	2556	rVV2	24492	44197	3.25%	0.407%
62	16.682	2556	2558	2570	rVB2	23663	54904	4.03%	0.506%

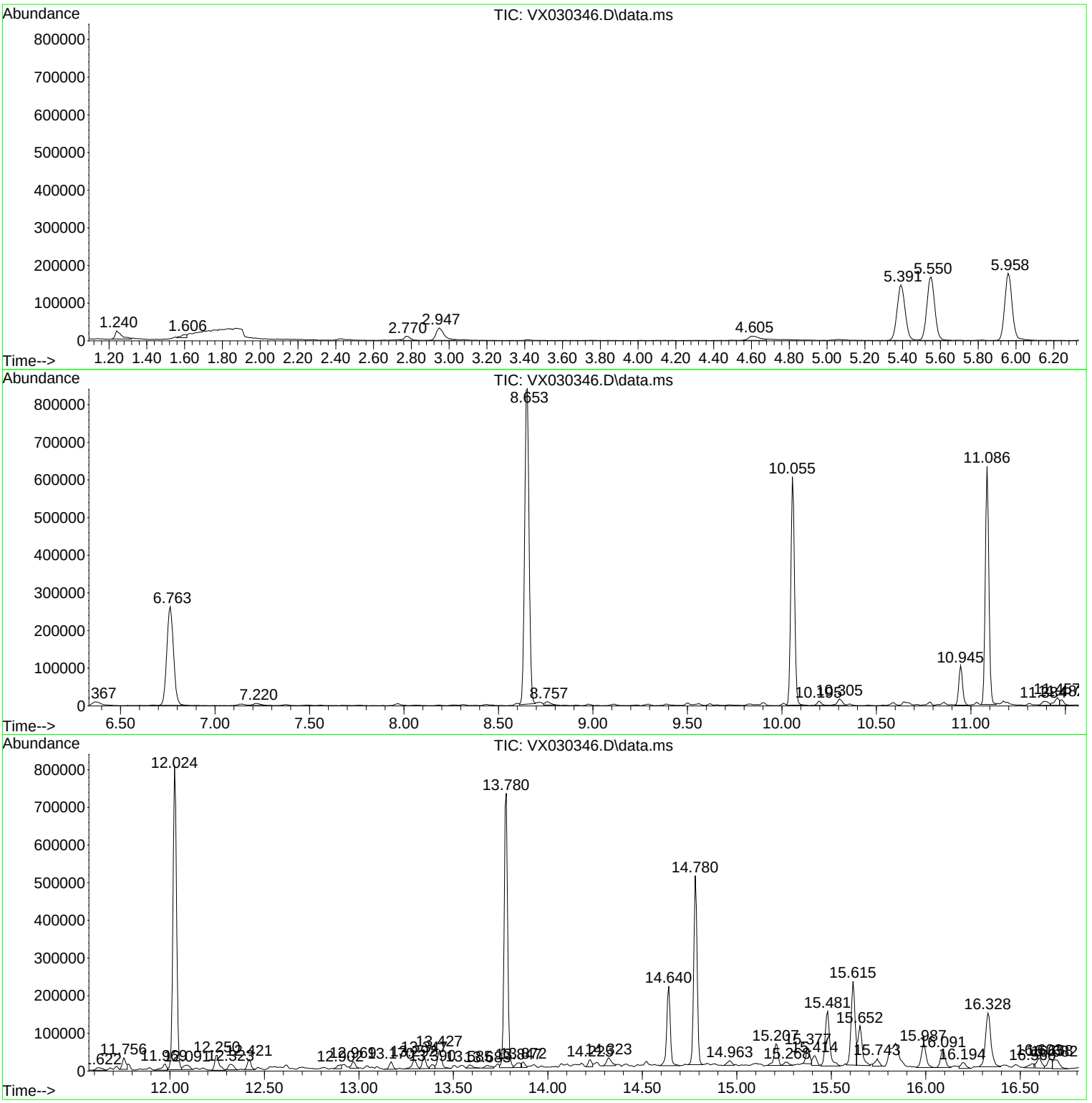
Sum of corrected areas: 10851445

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080222\
Data File : VX030346.D
Acq On : 02 Aug 2022 12:46
Operator : JC/MD
Sample : N3964-01
Misc : 5.02g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
HMGP-SOIL-A

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080222\
Data File : VX030346.D
Acq On : 02 Aug 2022 12:46
Operator : JC/MD
Sample : N3964-01
Misc : 5.02g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
HMGP-SOIL-A

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
Quant Title : SW846 8260

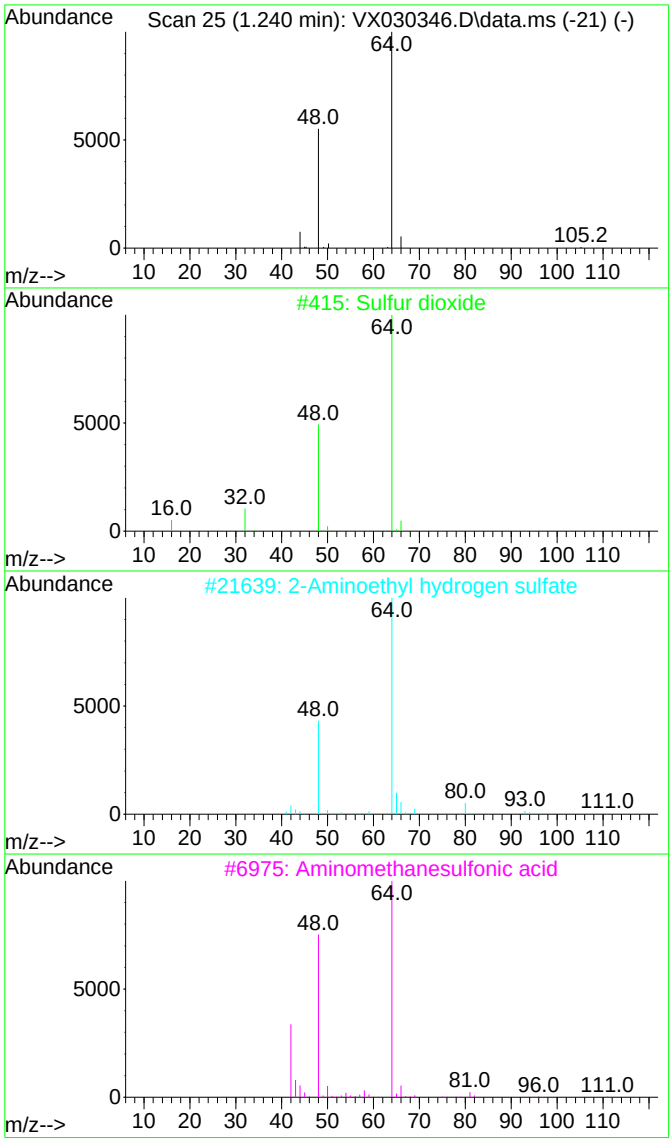
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

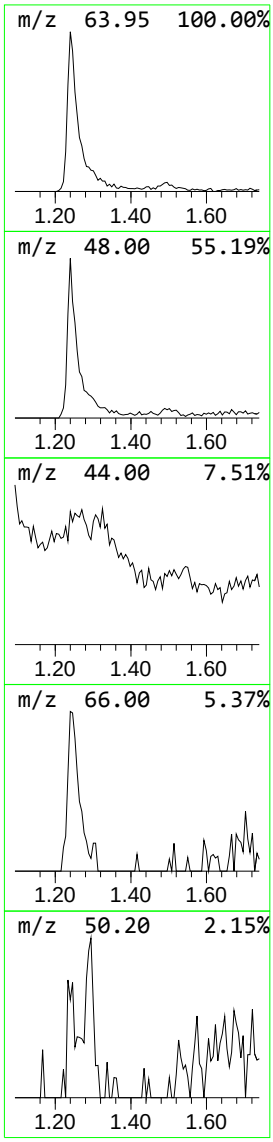
****

Peak Number 1 Sulfur dioxide Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.240	5.24 ug/l	50916	Pentafluorobenzene	5.550

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	90
2	2-Aminoethyl hydrogen sulfate	141	C2H7NO4S	000926-39-6	74
3	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	74
4	L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9
5	(N-(-2-Acetamido))-2-aminoethane...	182	C4H10N2O4S	007365-82-4	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080222\
Data File : VX030346.D
Acq On : 02 Aug 2022 12:46
Operator : JC/MD
Sample : N3964-01
Misc : 5.02g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
HMGP-SOIL-A

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
Quant Title : SW846 8260

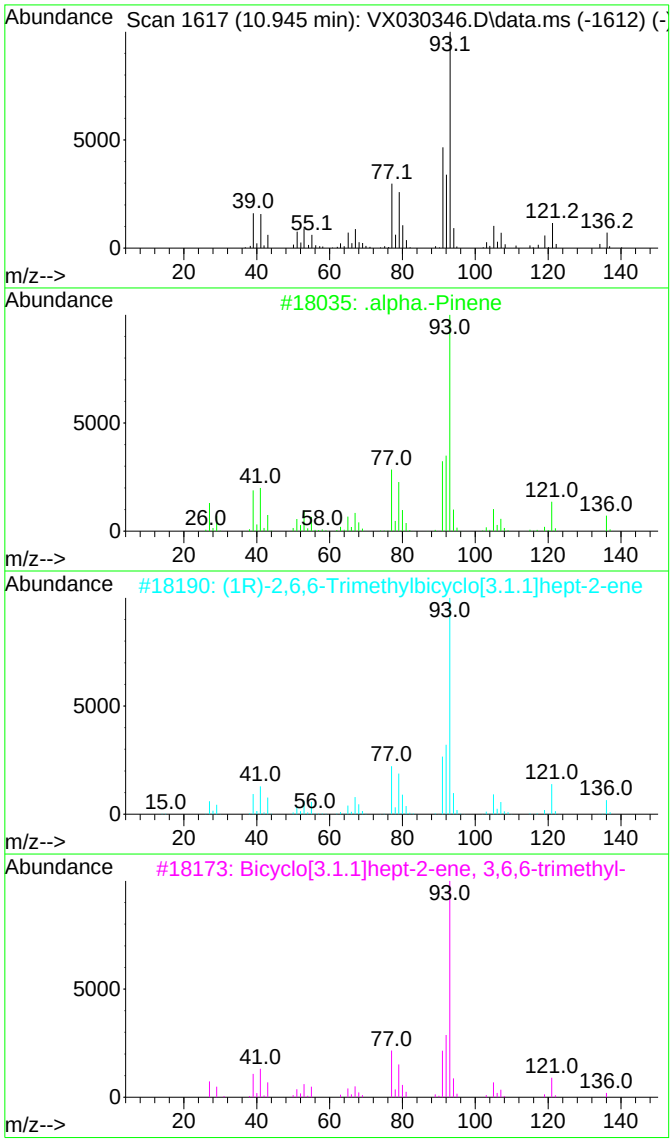
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

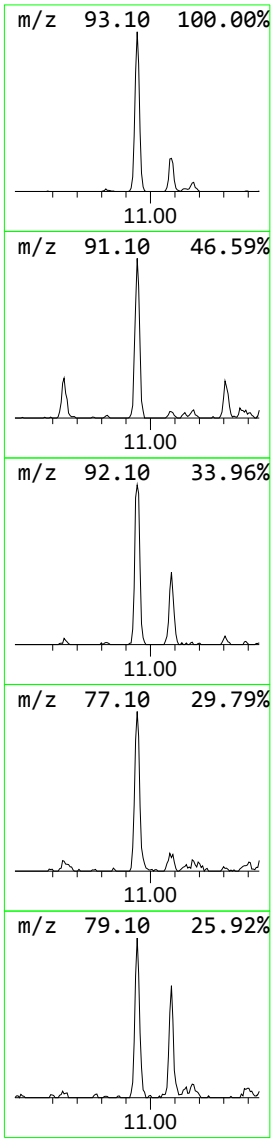
****

Peak Number 2 .alpha.-Pinene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.945	8.79 ug/l	146310	Chlorobenzene-d5	10.055

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Pinene	136	C10H16	000080-56-8	97
2	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	95
3	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	91
4	Tricyclo[2.2.1.0(2,6)]heptane, 1...	136	C10H16	000508-32-7	91
5	(+)-3-Carene	136	C10H16	000498-15-7	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080222\
Data File : VX030346.D
Acq On : 02 Aug 2022 12:46
Operator : JC/MD
Sample : N3964-01
Misc : 5.02g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
HMGP-SOIL-A

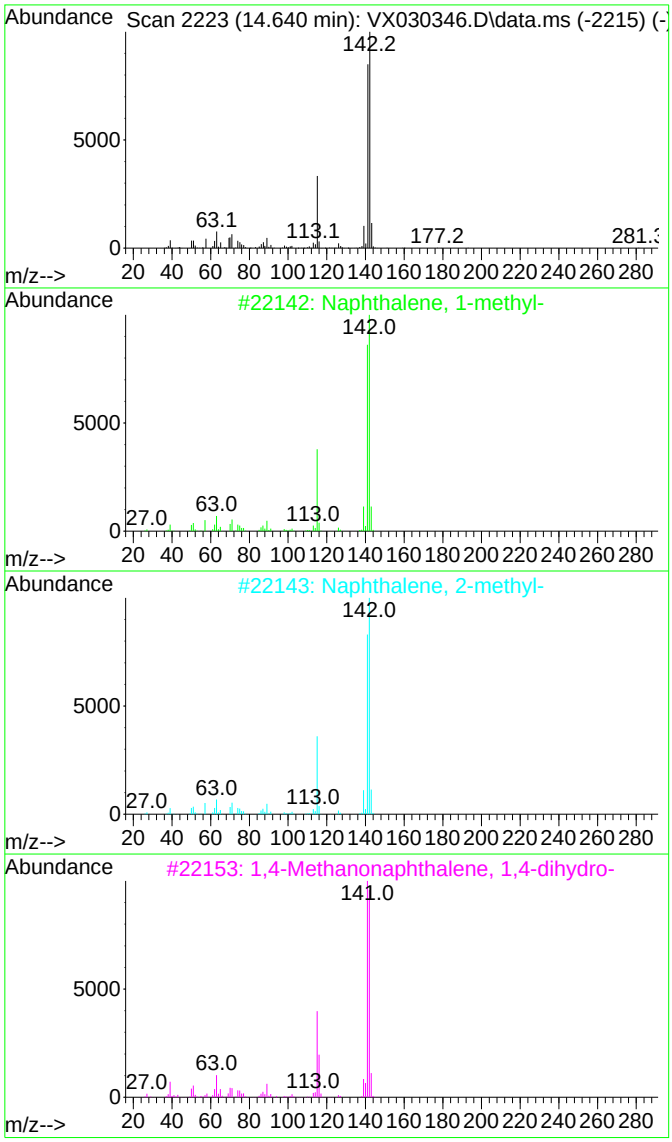
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
Quant Title : SW846 8260

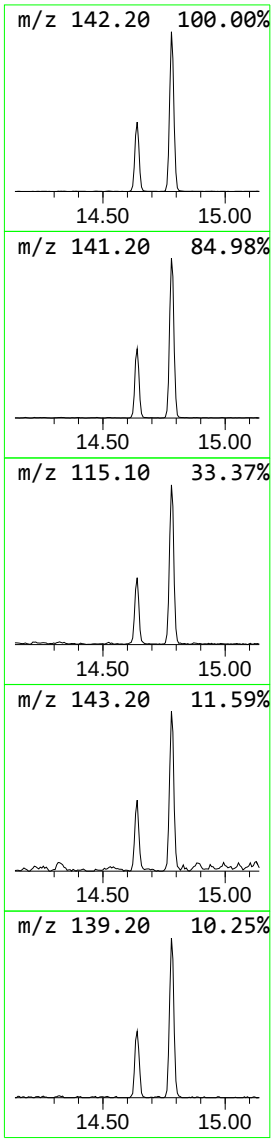
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Naphthalene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.640	13.01 ug/l	276863	1,4-Dichlorobenzene-d4	12.024

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080222\
Data File : VX030346.D
Acq On : 02 Aug 2022 12:46
Operator : JC/MD
Sample : N3964-01
Misc : 5.02g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
HMGP-SOIL-A

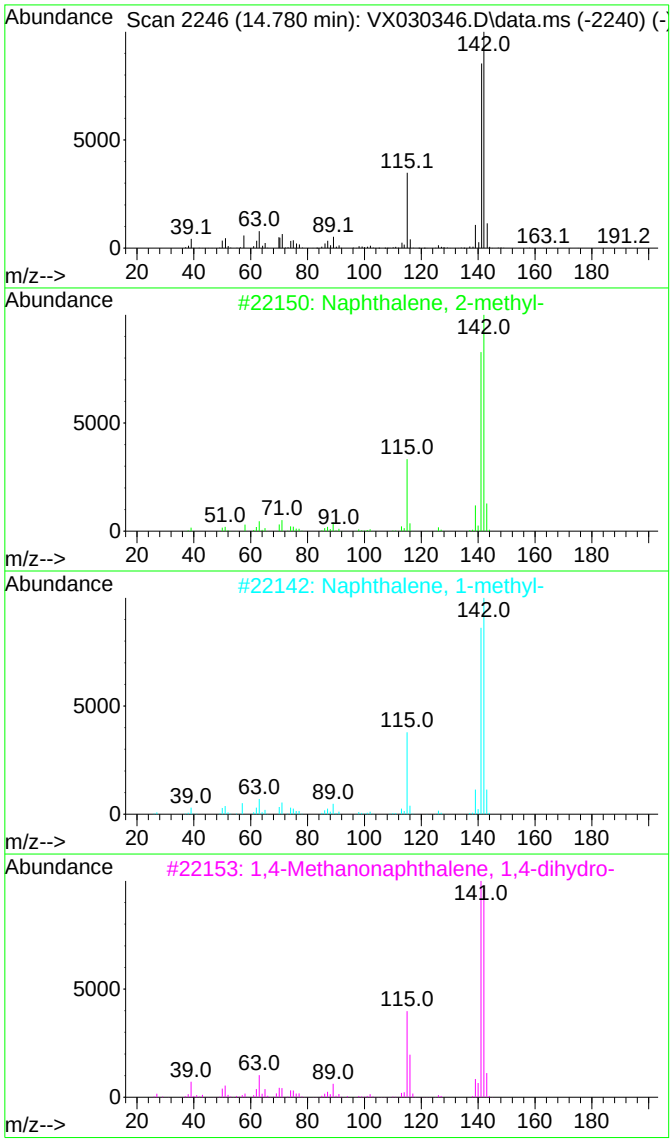
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
Quant Title : SW846 8260

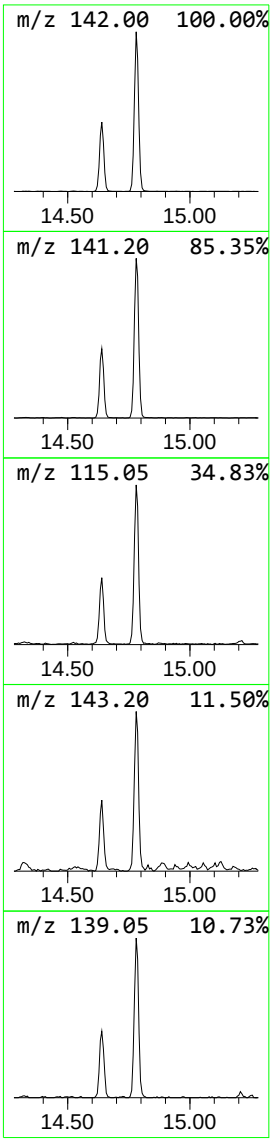
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 1,4-Methanonaphthalene, 1,4... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.780	29.33 ug/l	624162	1,4-Dichlorobenzene-d4	12.024

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	97
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	93
4	Benzocycloheptatriene	142	C11H10	000264-09-5	90
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080222\
Data File : VX030346.D
Acq On : 02 Aug 2022 12:46
Operator : JC/MD
Sample : N3964-01
Misc : 5.02g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
HMGP-SOIL-A

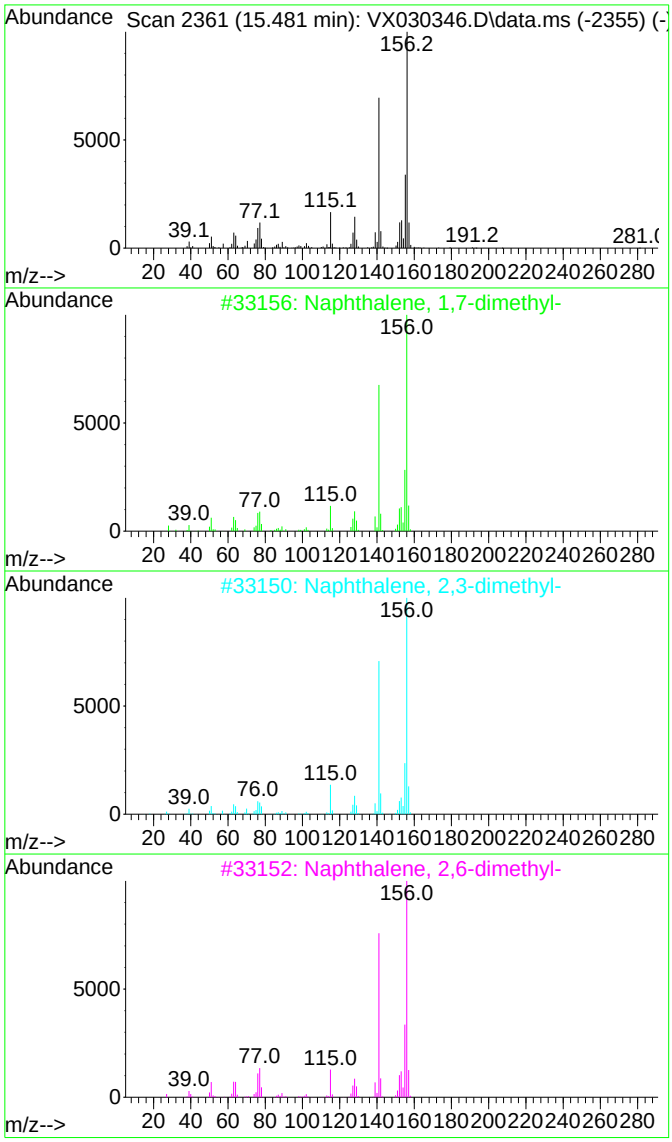
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
Quant Title : SW846 8260

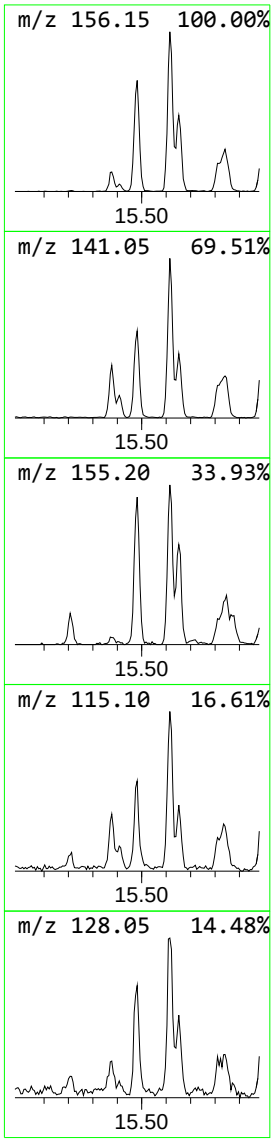
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Naphthalene, 1,7-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.481	11.54 ug/l	245645	1,4-Dichlorobenzene-d4	12.024

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080222\
Data File : VX030346.D
Acq On : 02 Aug 2022 12:46
Operator : JC/MD
Sample : N3964-01
Misc : 5.02g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
HMGP-SOIL-A

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
Quant Title : SW846 8260

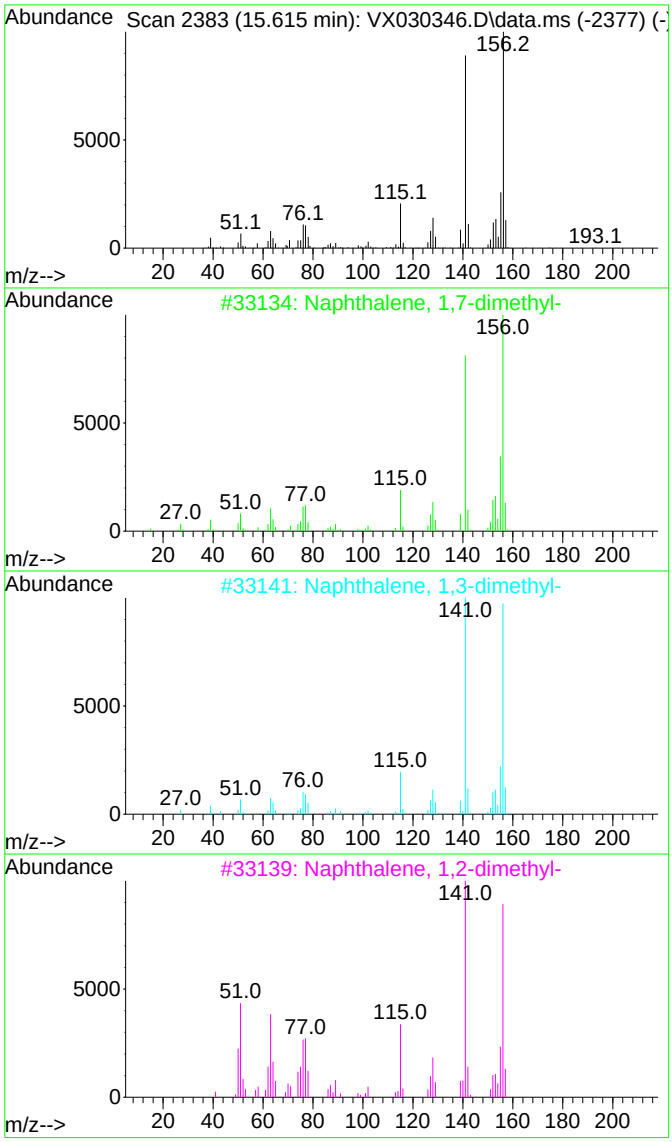
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

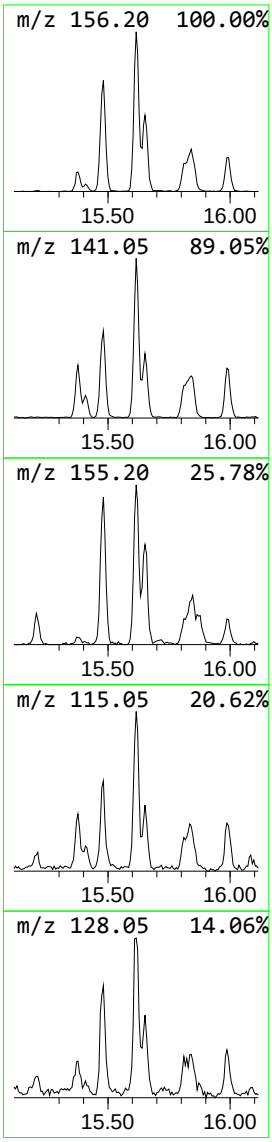
****

Peak Number 6 Naphthalene, 1,3-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.615	15.35 ug/l	326694	1,4-Dichlorobenzene-d4	12.024

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	98
3	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080222\
Data File : VX030346.D
Acq On : 02 Aug 2022 12:46
Operator : JC/MD
Sample : N3964-01
Misc : 5.02g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
HMGP-SOIL-A

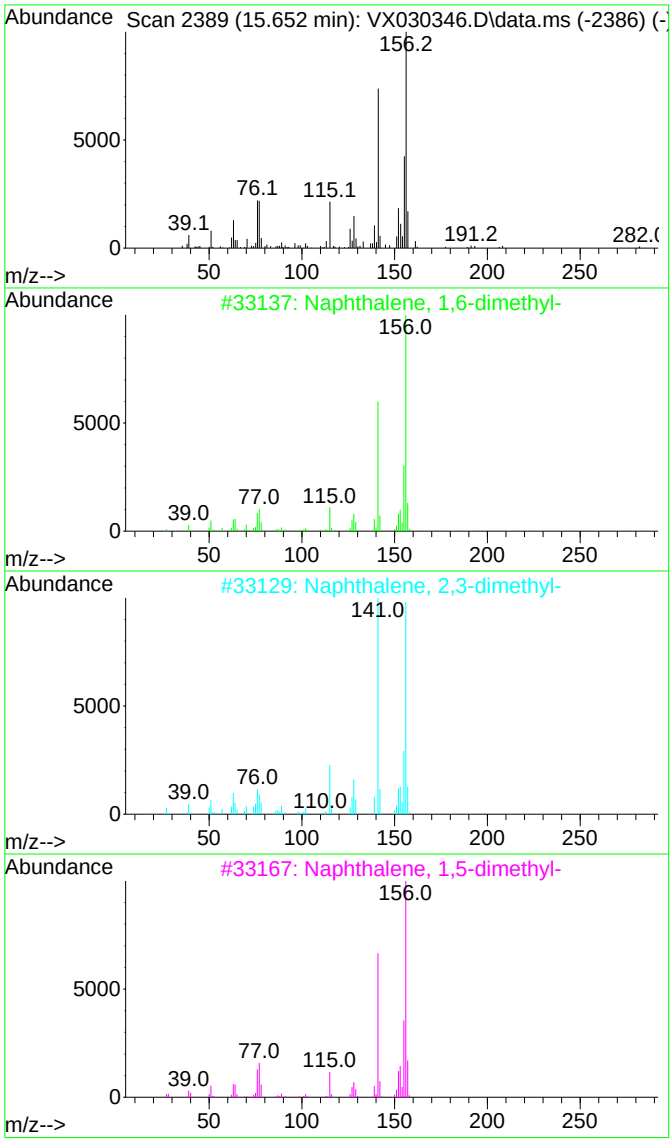
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
Quant Title : SW846 8260

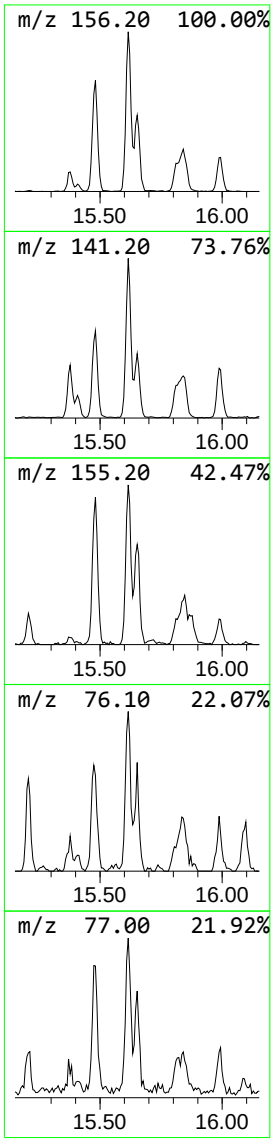
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Naphthalene, 1,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.652	7.76 ug/l	165137	1,4-Dichlorobenzene-d4	12.024

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	94
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	93
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	93
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	91
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080222\
Data File : VX030346.D
Acq On : 02 Aug 2022 12:46
Operator : JC/MD
Sample : N3964-01
Misc : 5.02g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
HMGP-SOIL-A

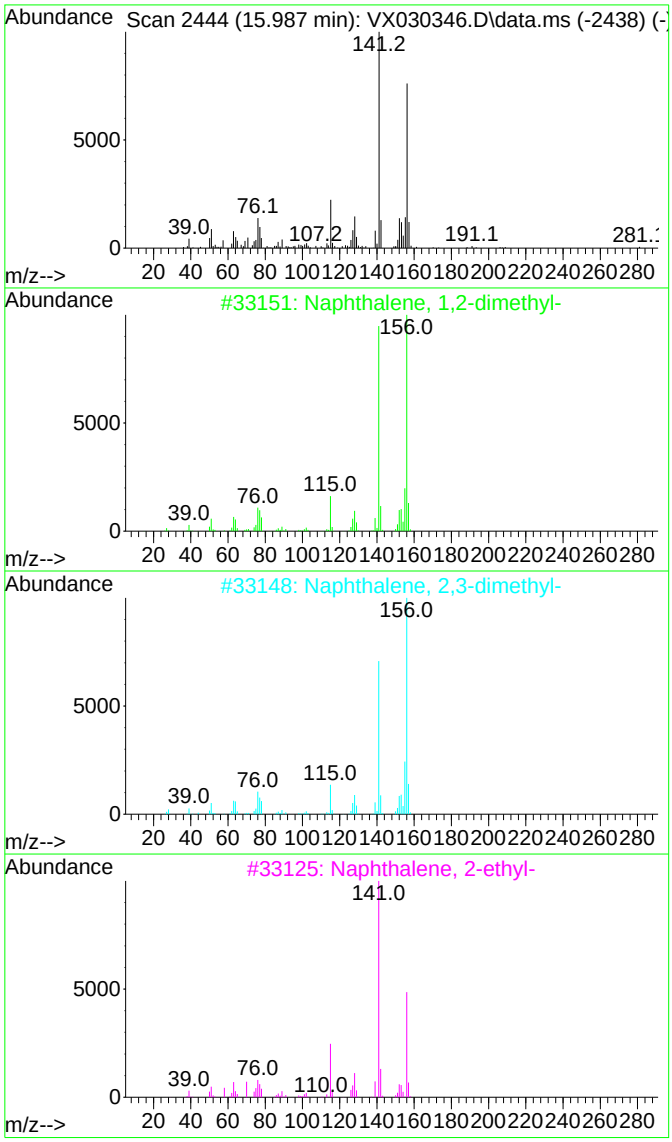
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
Quant Title : SW846 8260

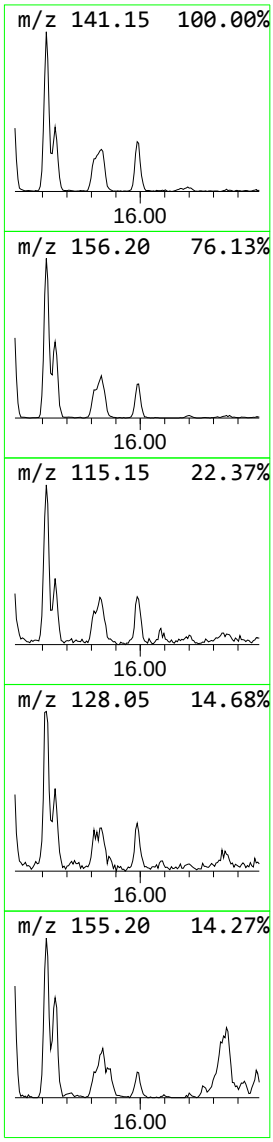
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Naphthalene, 1,2-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.987	5.24 ug/l	111479	1,4-Dichlorobenzene-d4	12.024

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
3	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080222\
Data File : VX030346.D
Acq On : 02 Aug 2022 12:46
Operator : JC/MD
Sample : N3964-01
Misc : 5.02g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
HMGP-SOIL-A

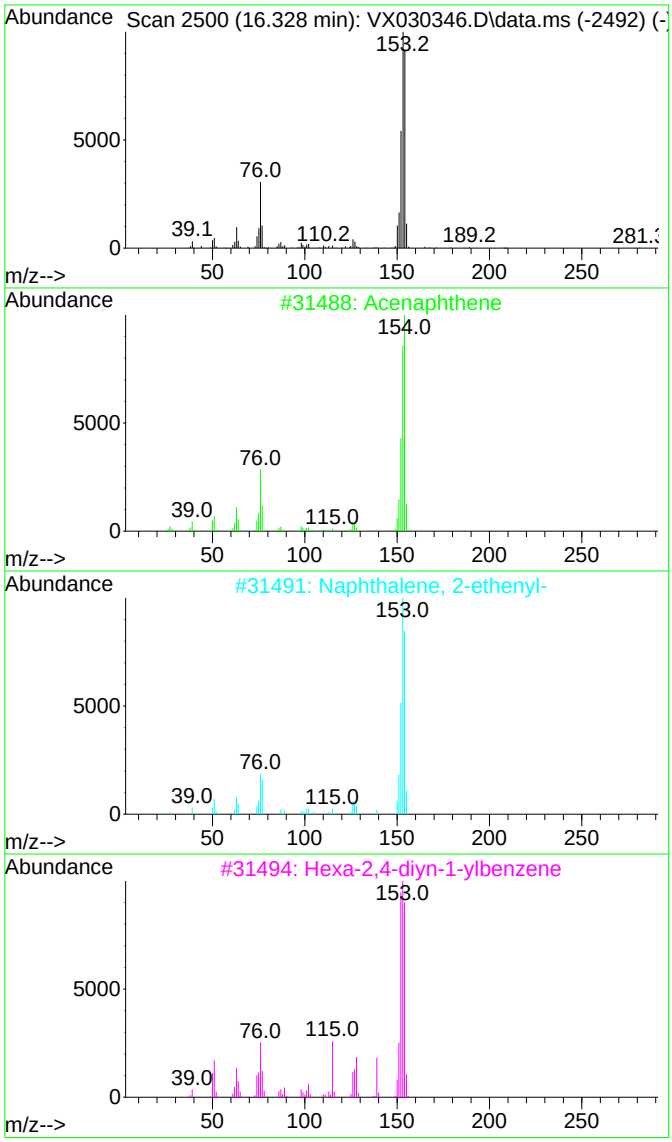
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
Quant Title : SW846 8260

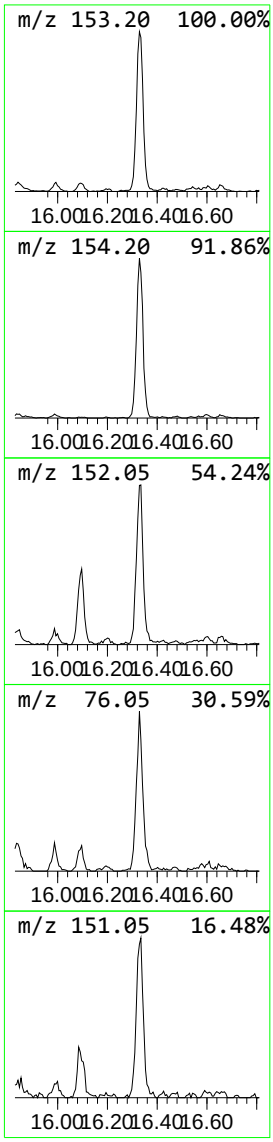
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Hexa-2,4-diyn-1-ylbenzene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.328	13.58 ug/l	289011	1,4-Dichlorobenzene-d4	12.024

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acenaphthene	154	C12H10	000083-32-9	90
2	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	59
3	Hexa-2,4-diyn-1-ylbenzene	154	C12H10	000520-74-1	53
4	2,4,6-Trihydroxybenzaldehyde	154	C7H6O4	000487-70-7	47
5	1,4-Ethenonaphthalene, 1,4-dihydro-	154	C12H10	007322-47-6	42





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080222\
Data File : VX030346.D
Acq On : 02 Aug 2022 12:46
Operator : JC/MD
Sample : N3964-01
Misc : 5.02g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
HMGP-SOIL-A

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
Quant Title : SW846 8260

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Sulfur dioxide	1.240	5.2	ug/l	50916	1	5.550	486053	50.0
.alpha.-Pinene	10.945	8.8	ug/l	146310	3	10.055	832691	50.0
Naphthalene, 1-...	14.640	13.0	ug/l	276863	4	12.024	1064070	50.0
1,4-Methanonaph...	14.780	29.3	ug/l	624162	4	12.024	1064070	50.0
Naphthalene, 1,...	15.481	11.5	ug/l	245645	4	12.024	1064070	50.0
Naphthalene, 1,...	15.615	15.4	ug/l	326694	4	12.024	1064070	50.0
Naphthalene, 1,...	15.652	7.8	ug/l	165137	4	12.024	1064070	50.0
Naphthalene, 1,...	15.987	5.2	ug/l	111479	4	12.024	1064070	50.0
Hexa-2,4-diyn-1...	16.328	13.6	ug/l	289011	4	12.024	1064070	50.0