LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032122\
Data File : VY007954.D
Acq On : 21 Mar 2022 15:02
Operator : SY/MD
Sample : N1983-05
Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
124019

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_Y\methods\82Y031722S.M
Title : SW846 8260

Signal : TIC: VY007954.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.716	466	475	485	rBV2	13104	41036	2.25%	0.303%
2	7.716	957	967	973	rBV	198053	465485	25.47%	3.436%
3	7.789	973	979	990	rVB	326869	733296	40.12%	5.412%
4	8.142	1028	1037	1047	rBV	200165	446460	24.43%	3.295%
5	8.691	1118	1127	1140	rBV	514917	1037758	56.78%	7.660%
6	10.179	1363	1371	1384	rBV	838724	1458767	79.82%	10.767%
7	11.489	1578	1586	1598	rVB	780806	1254115	68.62%	9.256%
8	12.337	1718	1725	1729	rBV	91386	171892	9.40%	1.269%
9	12.483	1742	1749	1762	rVB	629695	1051078	57.51%	7.758%
10	12.959	1810	1827	1838	rBV5	58773	302121	16.53%	2.230%
11	13.087	1838	1848	1851	rBV5	28492	88162	4.82%	0.651%
12	13.337	1881	1889	1898	rVV3	68238	153577	8.40%	1.134%
13	13.428	1898	1904	1916	rVV	742555	1175460	64.31%	8.676%
14	13.587	1919	1930	1932	rVV7	9961	29313	1.60%	0.216%
15	13.629	1932	1937	1940	rVV	46344	92559	5.06%	0.683%
16	13.666	1940	1943	1954	rVB4	42959	85574	4.68%	0.632%
17	13.879	1973	1978	1981	rBV3	14018	24023	1.31%	0.177%
18	13.971	1988	1993	1997	rVV3	35644	60760	3.32%	0.448%
19	14.032	1998	2003	2006	rVV6	15506	26743	1.46%	0.197%
20	14.080	2006	2011	2016	rVB	39371	62170	3.40%	0.459%
21	14.306	2036	2048	2051	rBV4	50943	146674	8.03%	1.083%
22	14.568	2086	2091	2096	rBV	47744	77797	4.26%	0.574%
23	14.611	2096	2098	2102	rVB3	19663	22980	1.26%	0.170%
24	14.690	2103	2111	2113	rBV3	175694	345909	18.93%	2.553%
25	14.733	2113	2118	2129	rVB2	290868	770090	42.13%	5.684%
26	14.830	2129	2134	2143	rBV3	64351	116800	6.39%	0.862%
27	14.946	2147	2153	2162	rVB4	43670	94164	5.15%	0.695%
28	15.056	2162	2171	2176	rVB4	31400	79843	4.37%	0.589%
29	15.117	2176	2181	2183	rBV3	12421	19761	1.08%	0.146%
30	15.159	2184	2188	2191	rVV	29719	44418	2.43%	0.328%
31	15.190	2191	2193	2197	rVV3	14688	29245	1.60%	0.216%
32	15.239	2197	2201	2206	rVB	47962	77352	4.23%	0.571%
33	15.342	2210	2218	2223	rBV7	28082	76124	4.17%	0.562%
34	15.403	2223	2228	2230	rBV3	37934	68966	3.77%	0.509%
35	15.434	2231	2233	2243	rVB3	58996	117944	6.45%	0.871%
36	15.525	2243	2248	2255	rVB2	42851	76582	4.19%	0.565%

LSC Area Percent Report

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ClientSampleId :
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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_Y\methods\82Y031722S.M
Title : SW846 8260

37	15.604	2257	2261	2267	rVB7	10036	19726	1.08%	0.146%
38	15.696	2268	2276	2279	rBV3	27908	67835	3.71%	0.501%
39	15.818	2291	2296	2297	rBV4	12818	18589	1.02%	0.137%
40	15.891	2303	2308	2318	rVB3	27749	66861	3.66%	0.493%
41	16.031	2324	2331	2336	rBV8	14066	34526	1.89%	0.255%
42	16.141	2344	2349	2355	rVB6	8240	20595	1.13%	0.152%
43	16.226	2355	2363	2368	rBV4	43916	118380	6.48%	0.874%
44	16.293	2368	2374	2382	rVB	232396	449430	24.59%	3.317%
45	16.488	2398	2406	2415	rVB	879721	1827673	100.00%	13.490%

Sum of corrected areas: 13548613

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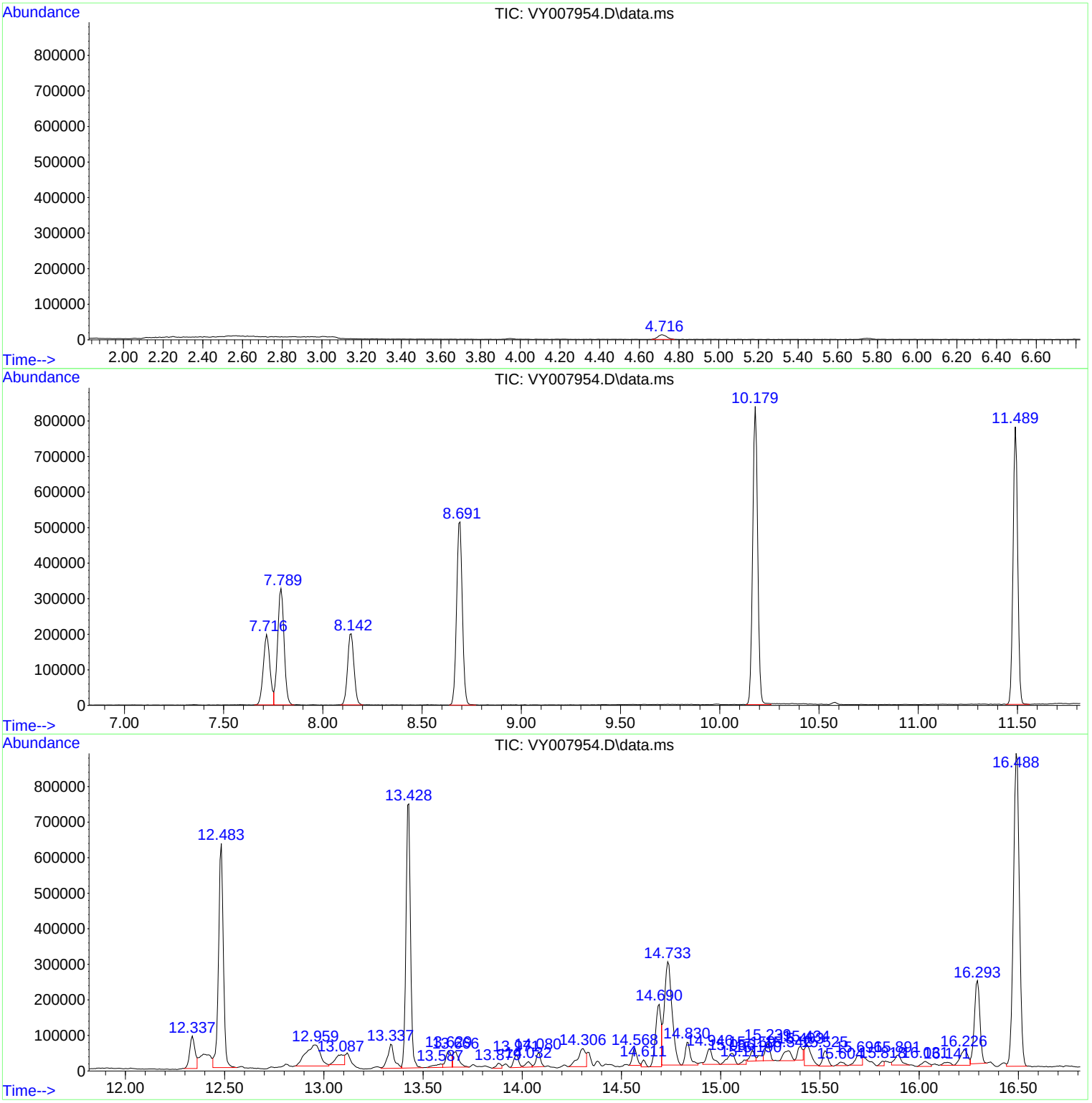
Instrument :
MSVOA_Y
ClientSampleId :
124019

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y031722S.M
Quant Title : SW846 8260

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



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Data File : VY007954.D
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Operator : SY/MD
Sample : N1983-05
Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
124019

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y031722S.M
Quant Title : SW846 8260

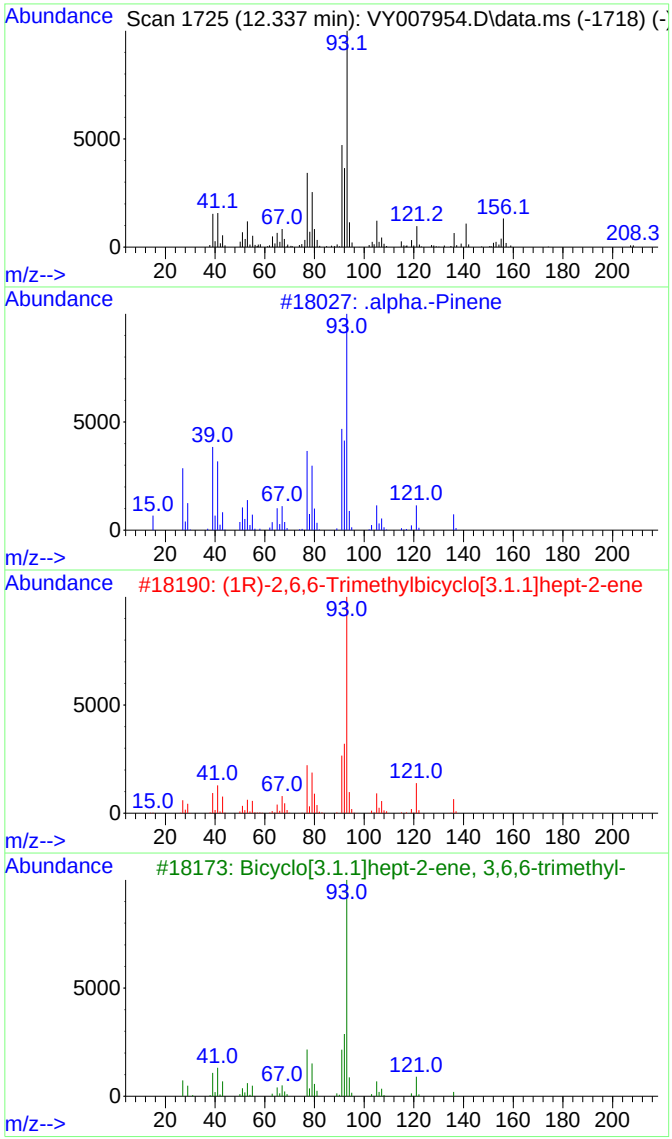
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

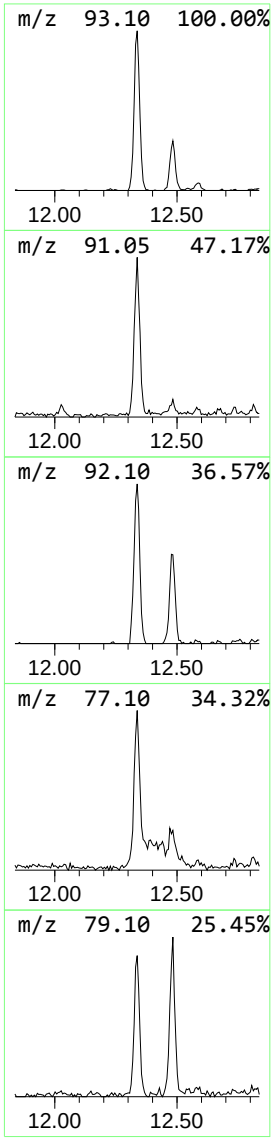
****

Peak Number 1 .alpha.-Pinene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.337	6.85 ug/l	171892	Chlorobenzene-d5	11.489

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Pinene	136	C10H16	000080-56-8	93
2	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	87
3	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	87
4	(1S)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-26-4	87
5	(+)-3-Carene	136	C10H16	000498-15-7	81





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Data File : VY007954.D
Acq On : 21 Mar 2022 15:02
Operator : SY/MD
Sample : N1983-05
Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
124019

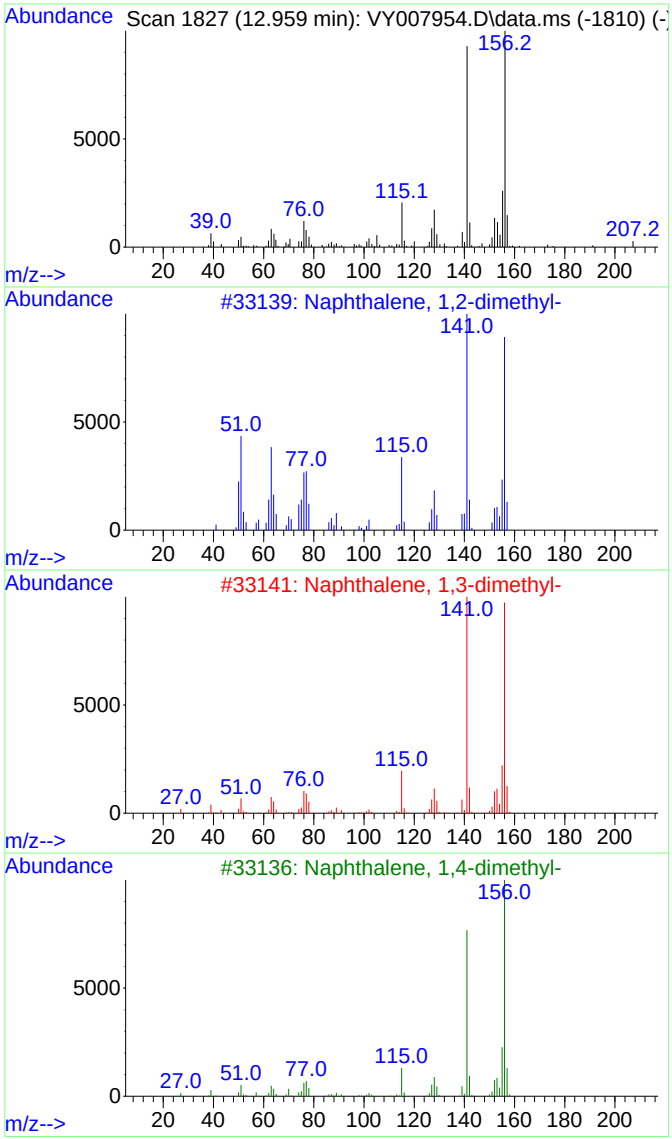
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y031722S.M
Quant Title : SW846 8260

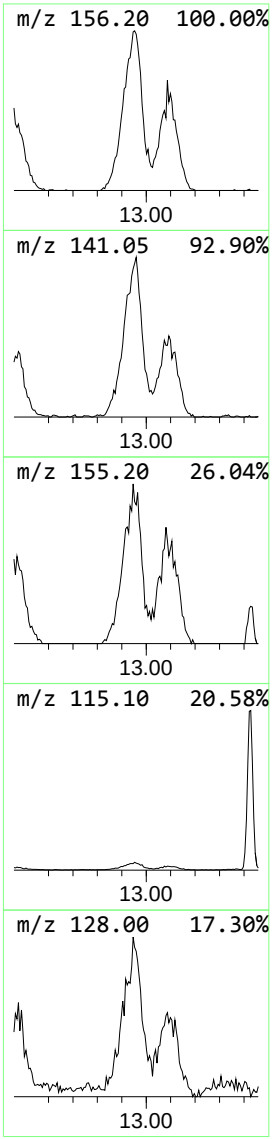
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Naphthalene, 1,2-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.959	12.85 ug/l	302121	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





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Data File : VY007954.D
Acq On : 21 Mar 2022 15:02
Operator : SY/MD
Sample : N1983-05
Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
124019

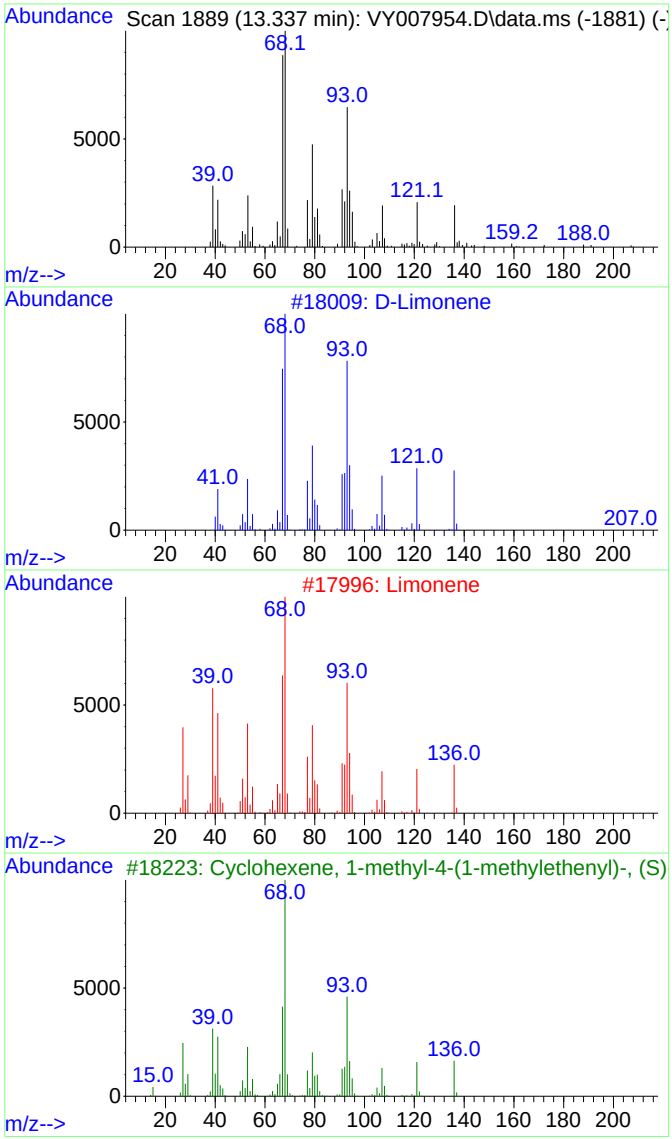
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y031722S.M
Quant Title : SW846 8260

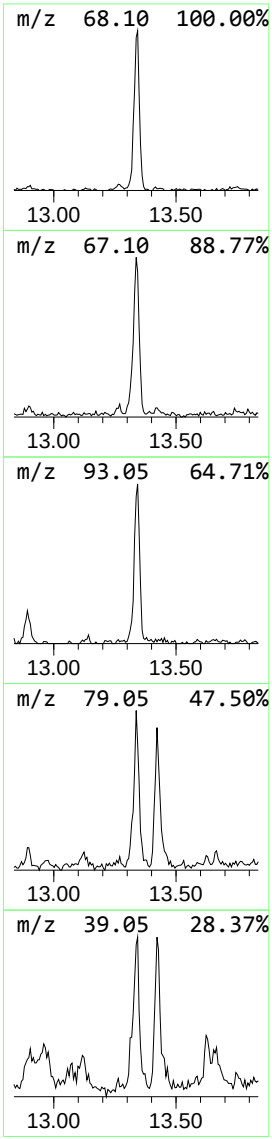
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 D-Limonene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.337	6.53 ug/l	153577	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	D-Limonene	136	C10H16	005989-27-5	95
2	Limonene	136	C10H16	000138-86-3	87
3	Cyclohexene, 1-methyl-4-(1-methy...	136	C10H16	005989-54-8	74
4	Cyclohexene, 4-ethenyl-1,4-dimet...	136	C10H16	001743-61-9	58
5	Bicyclopentylidene	136	C10H16	016189-35-8	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032122\
Data File : VY007954.D
Acq On : 21 Mar 2022 15:02
Operator : SY/MD
Sample : N1983-05
Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
124019

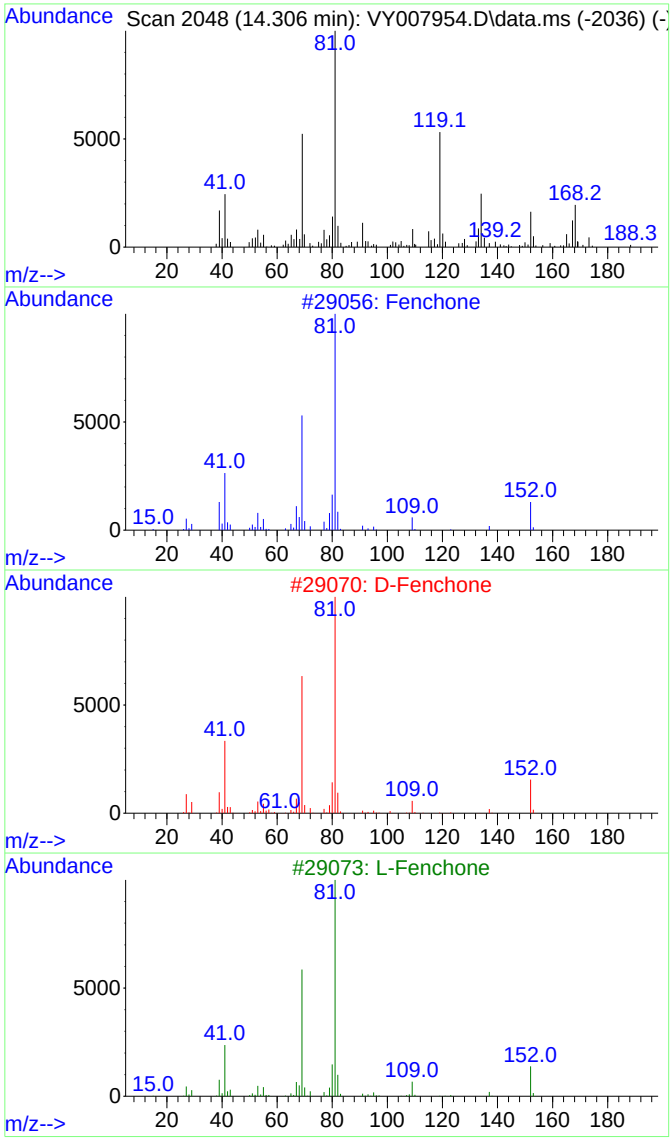
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y031722S.M
Quant Title : SW846 8260

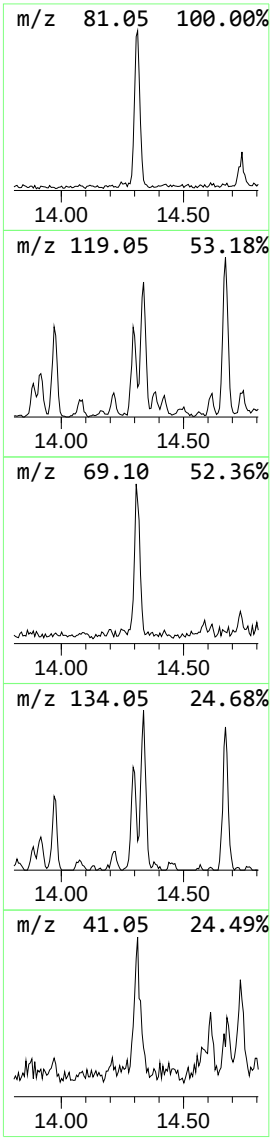
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Fenchone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.306	6.24 ug/l	146674	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fenchone	152	C10H16O	001195-79-5	50
2	D-Fenchone	152	C10H16O	004695-62-9	50
3	L-Fenchone	152	C10H16O	007787-20-4	45
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	35
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	35





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Data File : VY007954.D
Acq On : 21 Mar 2022 15:02
Operator : SY/MD
Sample : N1983-05
Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
124019

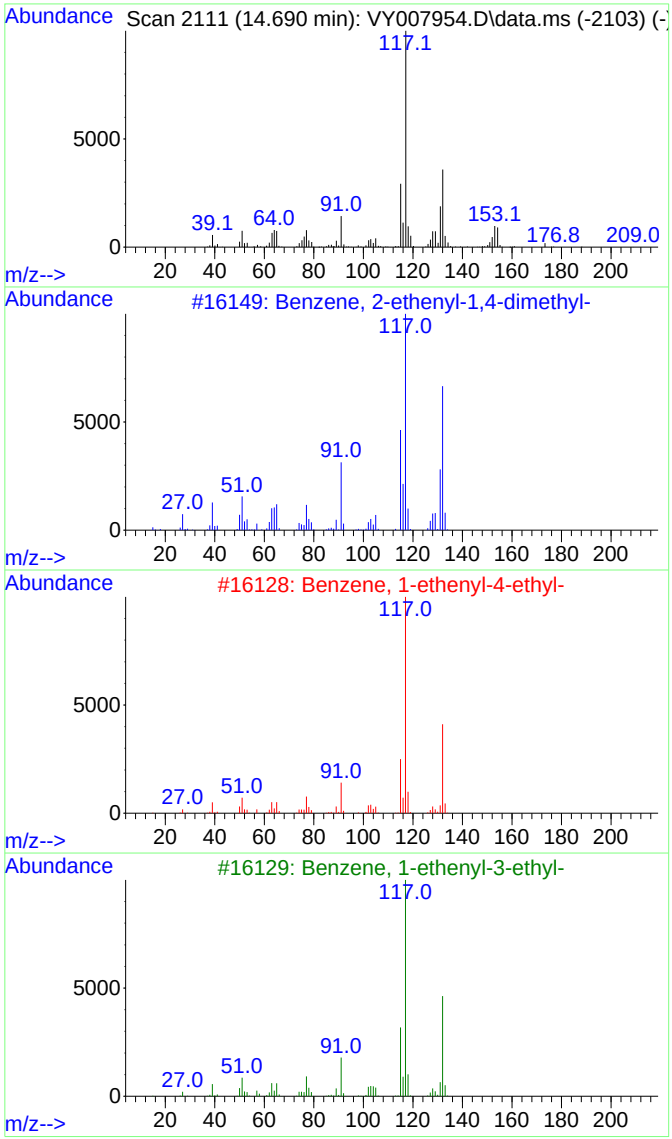
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y031722S.M
Quant Title : SW846 8260

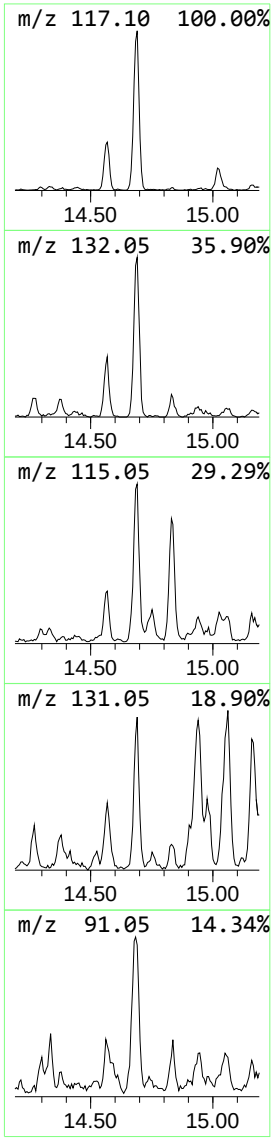
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.690	14.71 ug/l	345909	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	90
4	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	90
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87





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ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
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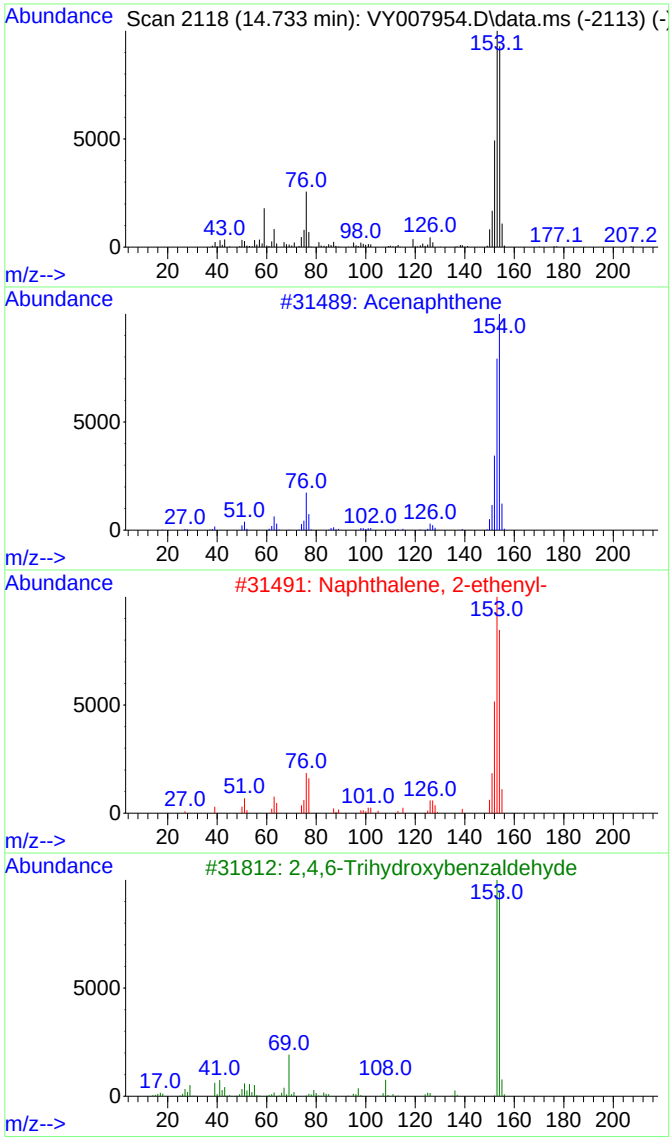
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y031722S.M
Quant Title : SW846 8260

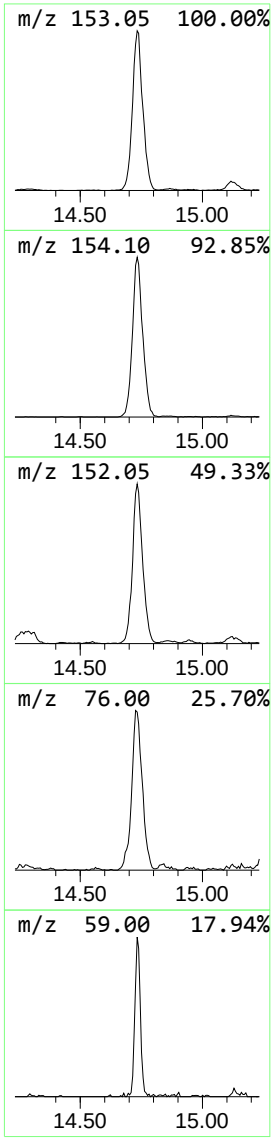
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Naphthalene, 2-ethenyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.733	32.76 ug/l	770090	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acenaphthene	154	C12H10	000083-32-9	76
2	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	58
3	2,4,6-Trihydroxybenzaldehyde	154	C7H6O4	000487-70-7	52
4	3-Fluoro-para-anisaldehyde	154	C8H7FO2	000351-54-2	50
5	Biphenyl	154	C12H10	000092-52-4	47





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Instrument :
MSVOA_Y
ClientSampleId :
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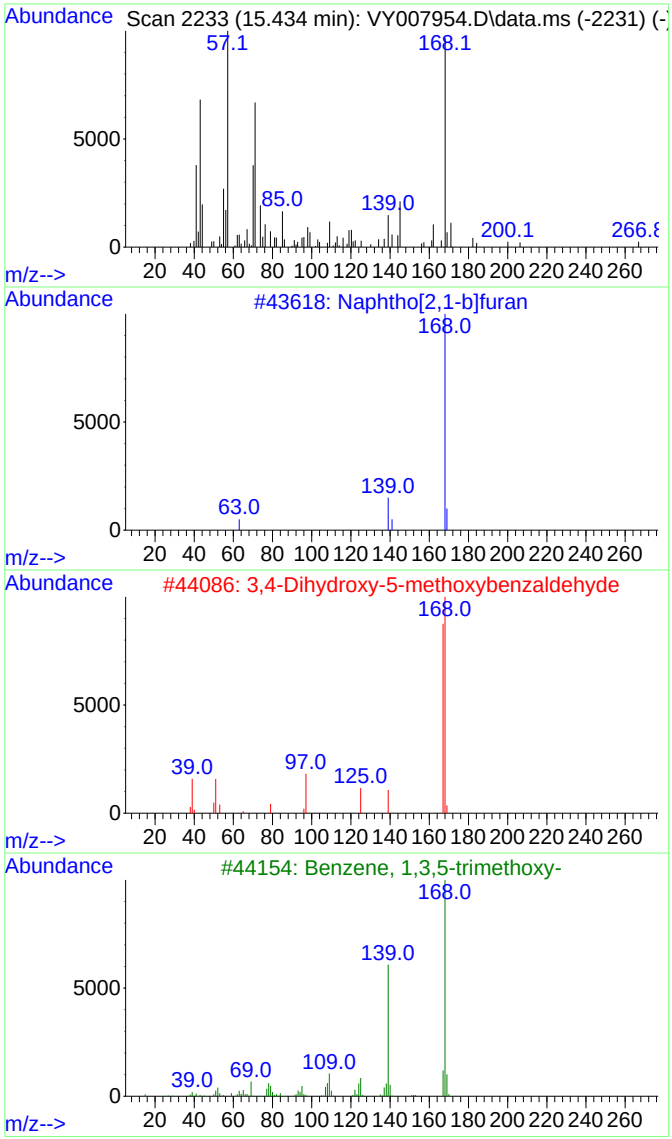
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y031722S.M
Quant Title : SW846 8260

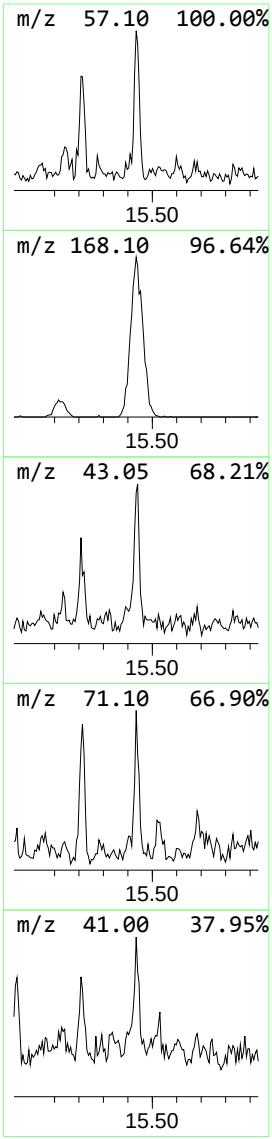
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 unknown15.434 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.434	5.02 ug/l	117944	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]furan	168	C12H8O	000232-95-1	30
2	3,4-Dihydroxy-5-methoxybenzaldehyde	168	C8H8O4	003934-87-0	27
3	Benzene, 1,3,5-trimethoxy-	168	C9H12O3	000621-23-8	27
4	3,5-Dimethoxybenzyl alcohol	168	C9H12O3	000705-76-0	27
5	2-Methyl-3-(2-thienyl)acrylic acid	168	C8H8O2S	040527-55-7	22





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032122\
Data File : VY007954.D
Acq On : 21 Mar 2022 15:02
Operator : SY/MD
Sample : N1983-05
Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
124019

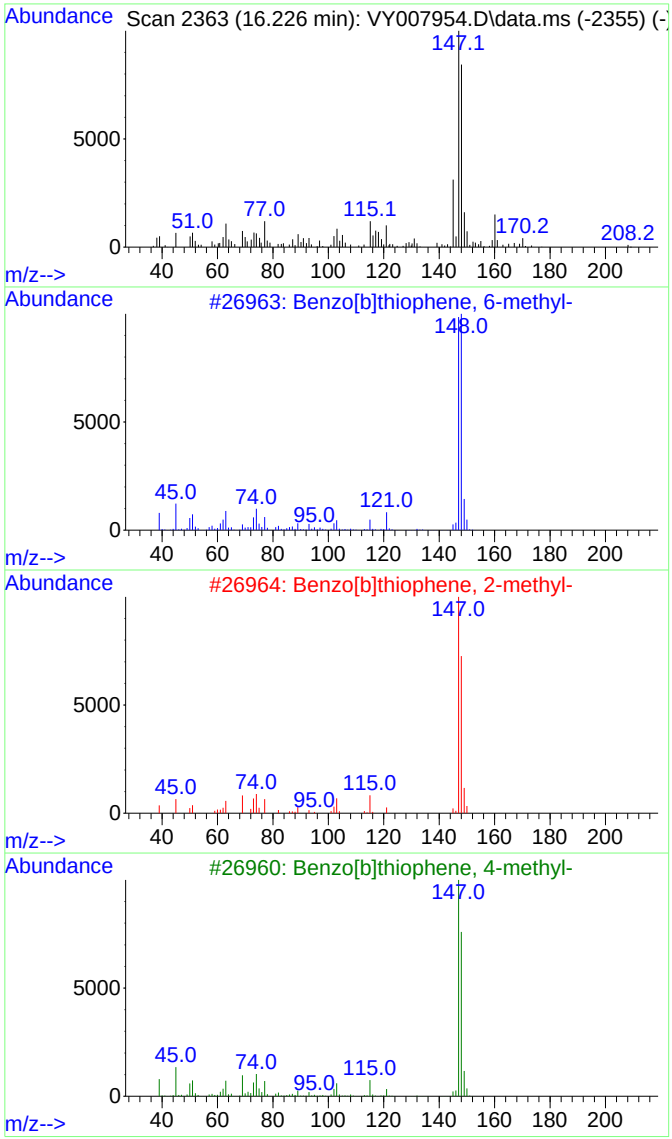
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y031722S.M
Quant Title : SW846 8260

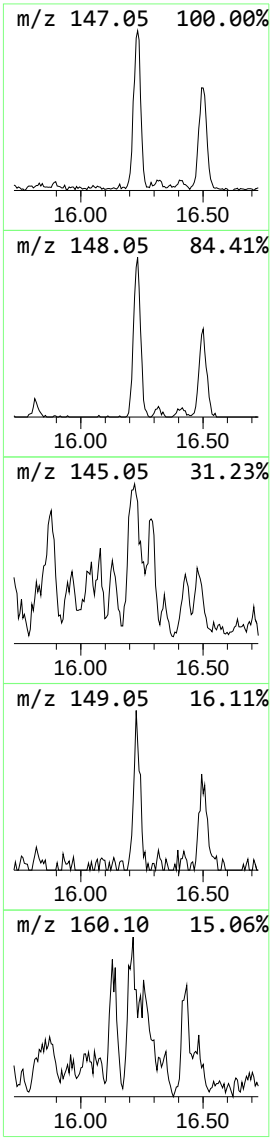
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Benzo[b]thiophene, 6-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.226	5.04 ug/l	118380	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 6-methyl-	148	C9H8S	016587-47-6	87
2	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	81
3	Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	81
4	3-Methylbenzothiophene	148	C9H8S	001455-18-1	81
5	Benzene, 1-ethynyl-2-(methylthio)-	148	C9H8S	078905-08-5	76





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Data File : VY007954.D
Acq On : 21 Mar 2022 15:02
Operator : SY/MD
Sample : N1983-05
Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
124019

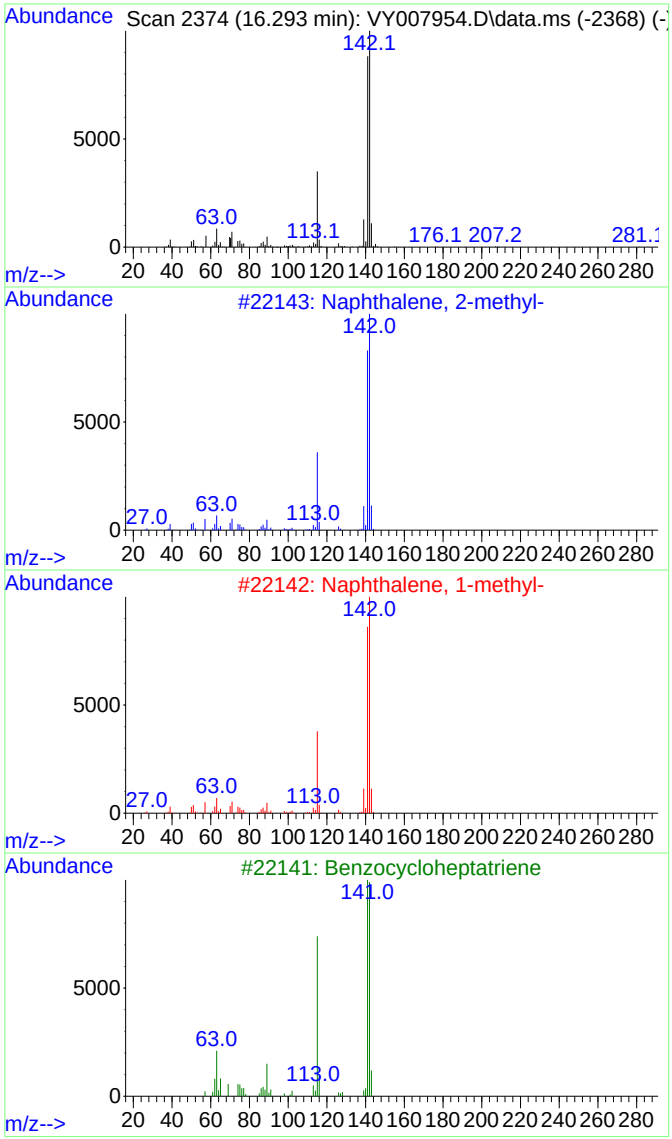
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y031722S.M
Quant Title : SW846 8260

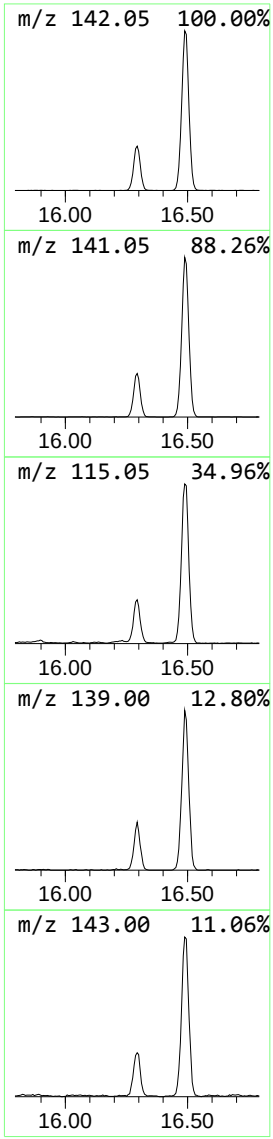
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Naphthalene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.293	19.12 ug/l	449430	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	Benzocycloheptatriene	142	C11H10	000264-09-5	91
4	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	91
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032122\
Data File : VY007954.D
Acq On : 21 Mar 2022 15:02
Operator : SY/MD
Sample : N1983-05
Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
124019

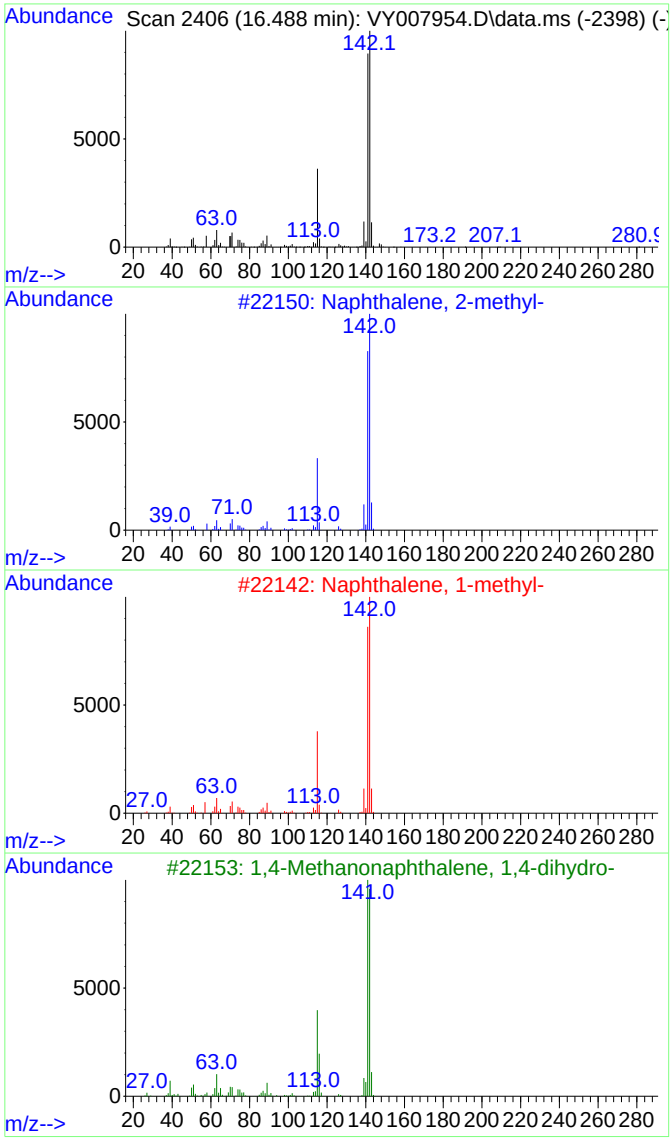
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y031722S.M
Quant Title : SW846 8260

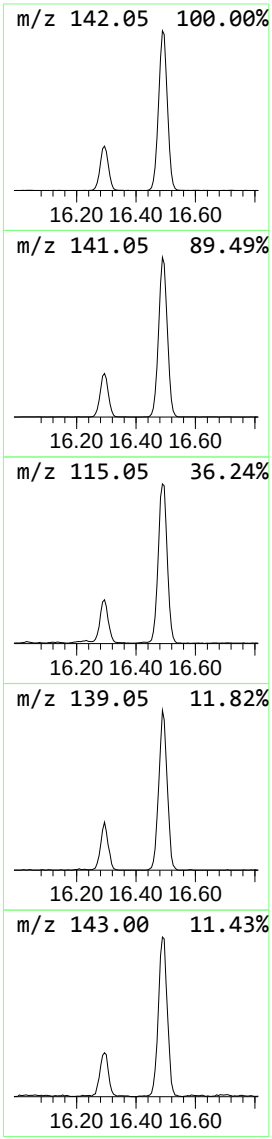
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 1,4-Methanonaphthalene, 1,4... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.488	77.74 ug/l	1827670	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
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	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032122\
Data File : VY007954.D
Acq On : 21 Mar 2022 15:02
Operator : SY/MD
Sample : N1983-05
Misc : 5.04g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
124019

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y031722S.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
.alpha.-Pinene	12.337	6.8	ug/l	171892	3	11.489	1254120	50.0
Naphthalene, 1,...	12.959	12.9	ug/l	302121	4	13.428	1175460	50.0
D-Limonene	13.337	6.5	ug/l	153577	4	13.428	1175460	50.0
Fenchone	14.306	6.2	ug/l	146674	4	13.428	1175460	50.0
Benzene, 2-ethe...	14.690	14.7	ug/l	345909	4	13.428	1175460	50.0
Naphthalene, 2-...	14.733	32.8	ug/l	770090	4	13.428	1175460	50.0
unknown15.434	15.434	5.0	ug/l	117944	4	13.428	1175460	50.0
Benzo[b]thiophe...	16.226	5.0	ug/l	118380	4	13.428	1175460	50.0
Naphthalene, 1-...	16.293	19.1	ug/l	449430	4	13.428	1175460	50.0
1,4-Methanonaph...	16.488	77.7	ug/l	1827670	4	13.428	1175460	50.0