LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110223\
Data File : VY016194.D
Acq On : 02 Nov 2023 16:45
Operator : SY/MD
Sample : 05220-02
Misc : 4.06g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
Z-5(0-5)

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\82Y103123S.M
Title : SW846 8260

Signal : TIC: VY016194.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.394	89	94	102	rVB	8885	16581	1.31%	0.207%
2	3.095	204	209	218	rVB	9004	19615	1.55%	0.245%
3	3.960	341	351	362	rBV	6698	19617	1.55%	0.245%
4	4.210	383	392	406	rVB2	5210	14621	1.16%	0.182%
5	4.735	466	478	493	rVB	23807	72298	5.72%	0.902%
6	5.765	638	647	660	rVB3	4698	14430	1.14%	0.180%
7	7.728	959	969	975	rBV	76839	181238	14.34%	2.260%
8	7.801	975	981	993	rVB	150789	329645	26.08%	4.111%
9	8.155	1029	1039	1049	rBV2	91969	218927	17.32%	2.730%
10	8.697	1120	1128	1138	rBV	227516	450104	35.61%	5.613%
11	10.185	1365	1372	1379	rBV	351217	615421	48.69%	7.674%
12	10.252	1379	1383	1390	rVB	27479	45921	3.63%	0.573%
13	11.496	1580	1587	1596	rBV	344648	559325	44.25%	6.975%
14	11.599	1599	1604	1614	rVB	10142	17582	1.39%	0.219%
15	11.709	1614	1622	1635	rBV	17163	33829	2.68%	0.422%
16	12.038	1666	1676	1684	rVB3	17942	33986	2.69%	0.424%
17	12.489	1743	1750	1757	rBV	295921	457793	36.22%	5.708%
18	12.819	1800	1804	1812	rVB2	11155	18865	1.49%	0.235%
19	12.983	1824	1831	1838	rVB2	8081	16649	1.32%	0.208%
20	13.123	1849	1854	1859	rBV	18365	30044	2.38%	0.375%
21	13.178	1859	1863	1868	rVB2	12049	18282	1.45%	0.228%
22	13.379	1884	1896	1899	rBV6	6456	17590	1.39%	0.219%
23	13.434	1899	1905	1914	rVV	337072	583518	46.16%	7.276%
24	13.636	1926	1938	1942	rBV	36008	66490	5.26%	0.829%
25	13.812	1961	1967	1975	rVB	92396	151164	11.96%	1.885%
26	13.971	1988	1993	1999	rVB2	22313	39099	3.09%	0.488%
27	14.117	2014	2017	2022	rVB4	10490	17033	1.35%	0.212%
28	14.300	2044	2047	2050	rVV	11228	16427	1.30%	0.205%
29	14.343	2050	2054	2058	rVB	25990	36800	2.91%	0.459%
30	14.440	2064	2070	2075	rVB6	9539	19224	1.52%	0.240%
31	14.574	2086	2092	2097	rBV	17575	30569	2.42%	0.381%
32	14.684	2104	2110	2116	rBV3	43073	92166	7.29%	1.149%
33	14.757	2116	2122	2129	rVB	84214	133744	10.58%	1.668%
34	14.837	2129	2135	2144	rVB	124049	194229	15.37%	2.422%
35	14.946	2144	2153	2159	rBV6	17874	48648	3.85%	0.607%
36	15.062	2167	2172	2179	rBV3	9158	18701	1.48%	0.233%

LSC Area Percent Report

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Operator : SY/MD
Sample : 05220-02
Misc : 4.06g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
Z-5(0-5)

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

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Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Title : SW846 8260

37	15.239	2194	2201	2209	rVV	736606	1264049	100.00%	15.762%
38	15.343	2212	2218	2225	rVB	42241	80615	6.38%	1.005%
39	15.532	2242	2249	2253	rBV4	8525	17543	1.39%	0.219%
40	15.605	2253	2261	2267	rVV8	9727	33874	2.68%	0.422%
41	15.672	2267	2272	2275	rVV3	11949	25592	2.02%	0.319%
42	15.721	2275	2280	2284	rVV2	23092	49935	3.95%	0.623%
43	15.769	2284	2288	2293	rVV	18199	34717	2.75%	0.433%
44	15.836	2293	2299	2315	rVB4	22897	76504	6.05%	0.954%
45	16.038	2325	2332	2338	rBV7	6795	17666	1.40%	0.220%
46	16.111	2339	2344	2356	rVV4	10177	26159	2.07%	0.326%
47	16.239	2357	2365	2369	rVV2	32547	69593	5.51%	0.868%
48	16.300	2369	2375	2388	rVB	237135	493671	39.05%	6.156%
49	16.422	2390	2395	2399	rVV4	6768	13918	1.10%	0.174%
50	16.495	2399	2407	2418	rVB	546607	1165557	92.21%	14.534%

Sum of corrected areas: 8019568

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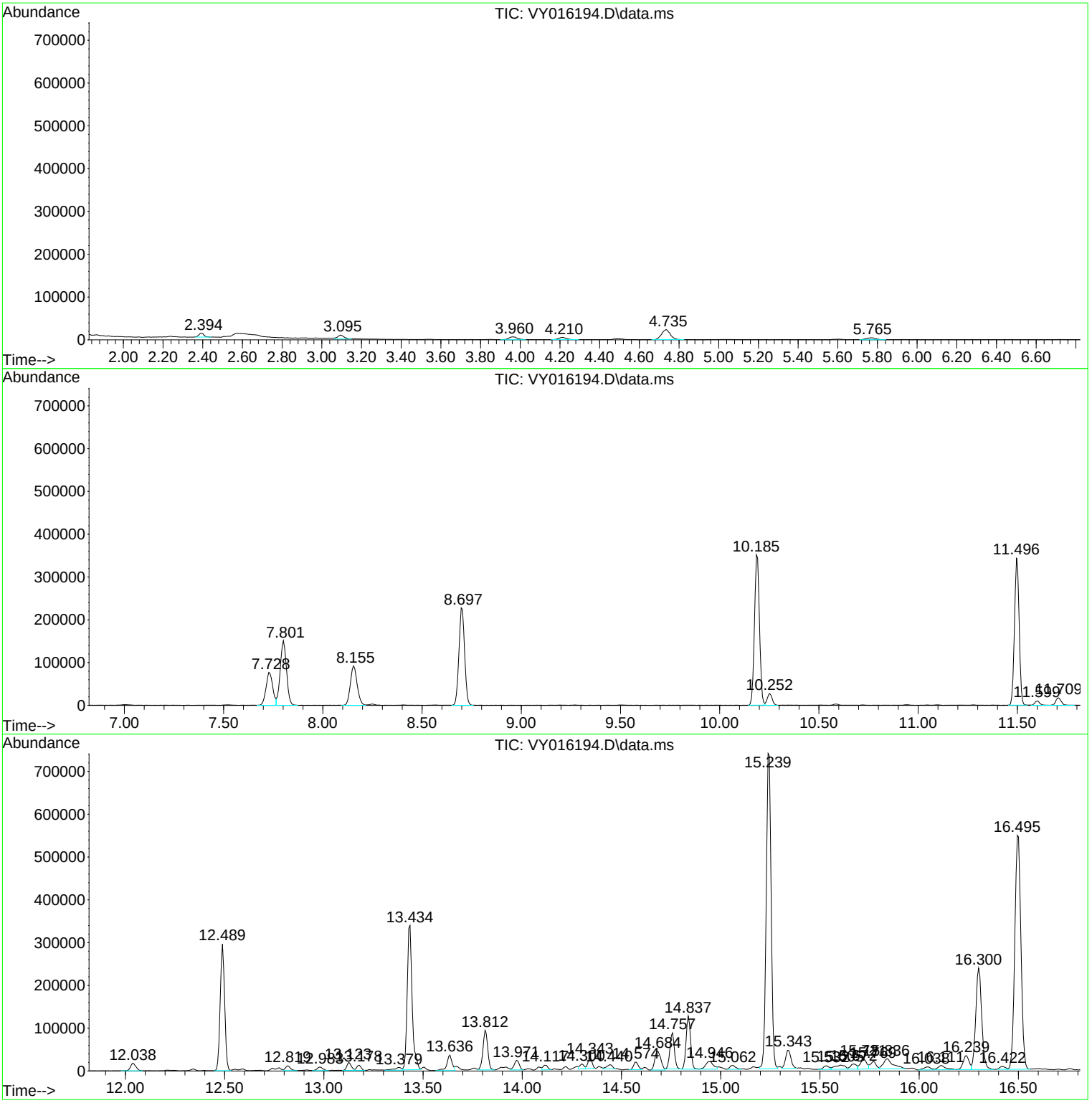
ClientSampleId :
Z-5(0-5)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260

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



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Instrument :
MSVOA_Y
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Z-5(0-5)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260

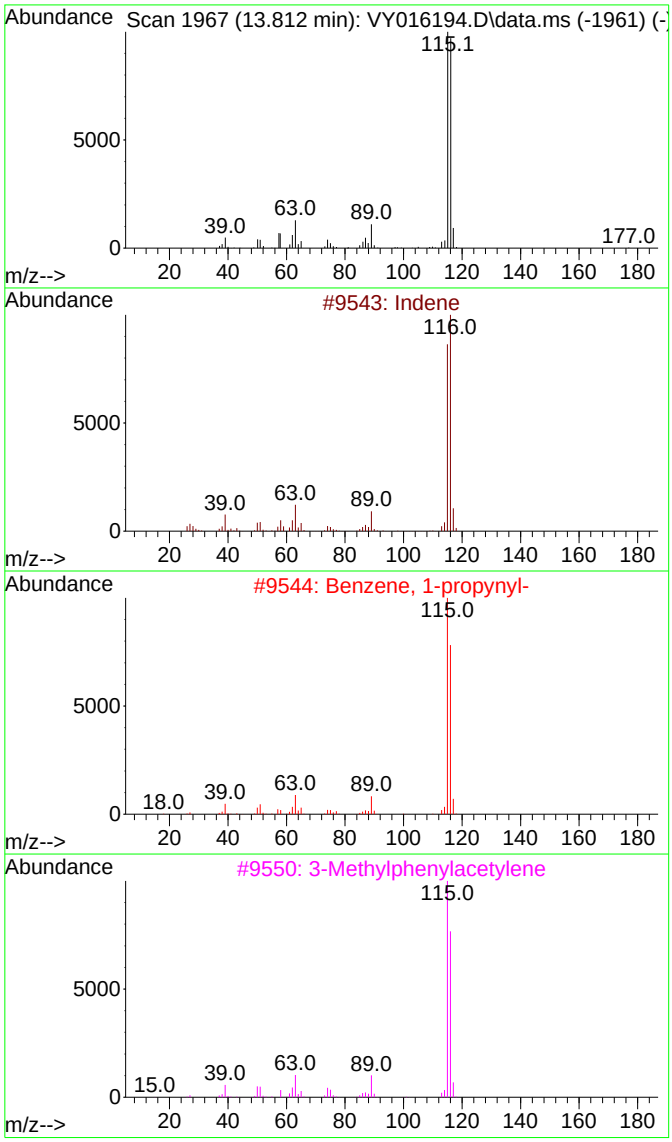
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

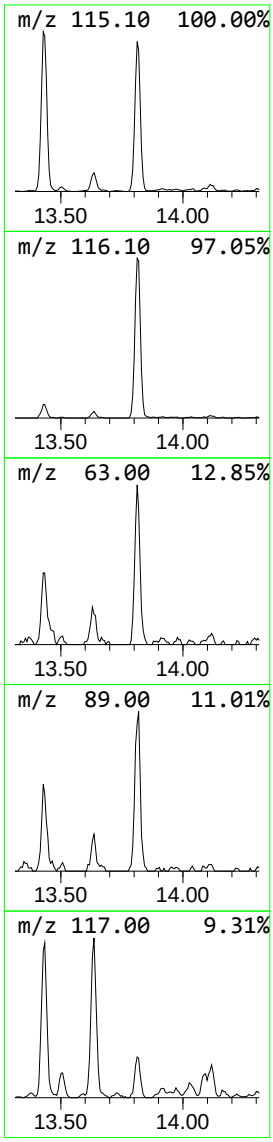
****

Peak Number 1 Indene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.812	12.95 ug/l	151164	1,4-Dichlorobenzene-d4	13.434

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
3	3-Methylphenylacetylene	116	C9H8	000766-82-5	91
4	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	90
5	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	87





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Data File : VY016194.D
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Operator : SY/MD
Sample : 05220-02
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ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
Z-5(0-5)

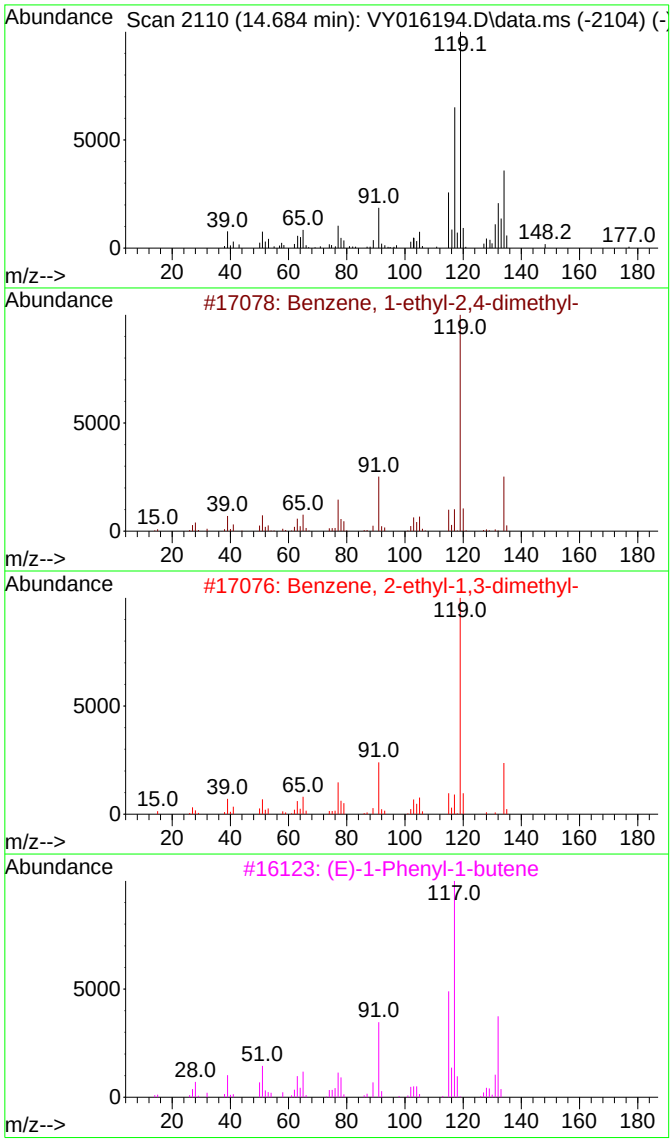
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260

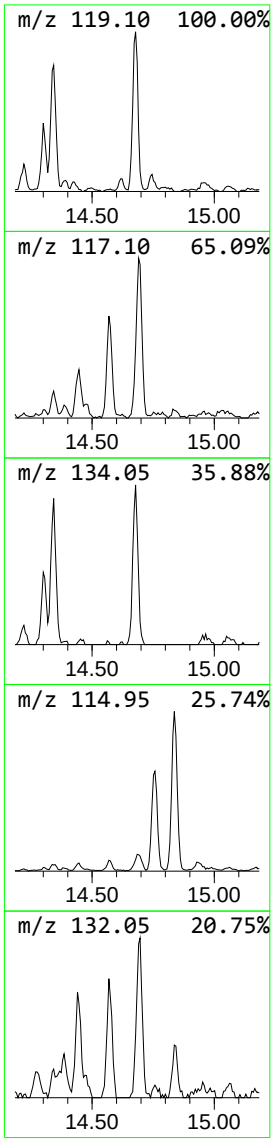
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.684	7.90 ug/l	92166	1,4-Dichlorobenzene-d4	13.434

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	60
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	60
3	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	56
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	53
5	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	53





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Data File : VY016194.D
Acq On : 02 Nov 2023 16:45
Operator : SY/MD
Sample : 05220-02
Misc : 4.06g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
Z-5(0-5)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260

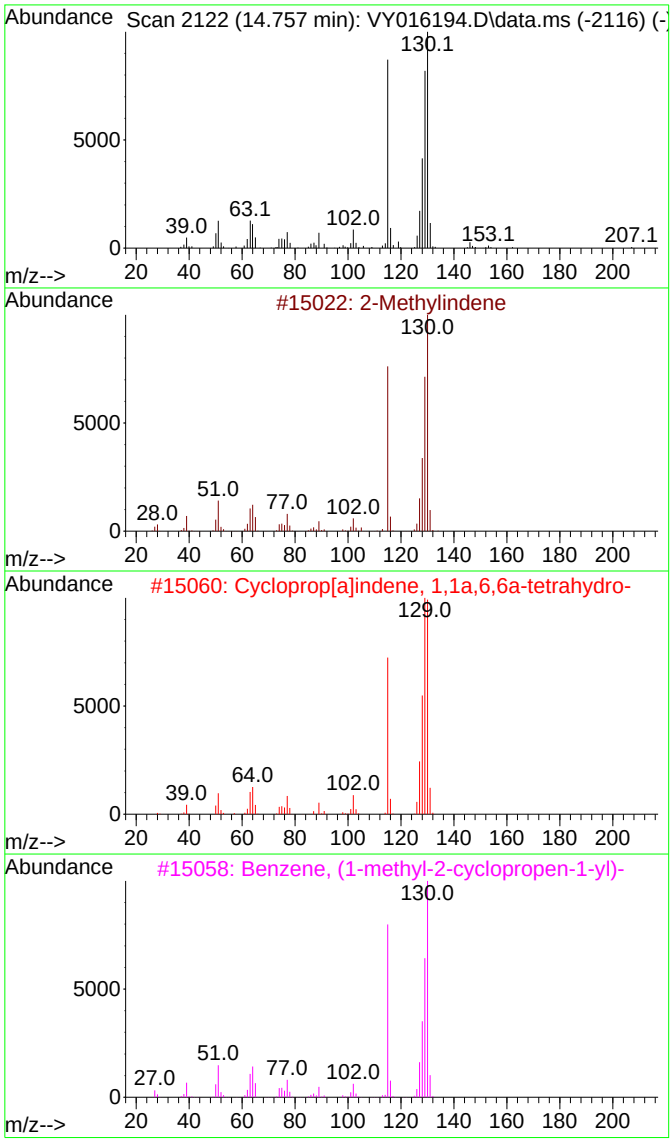
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

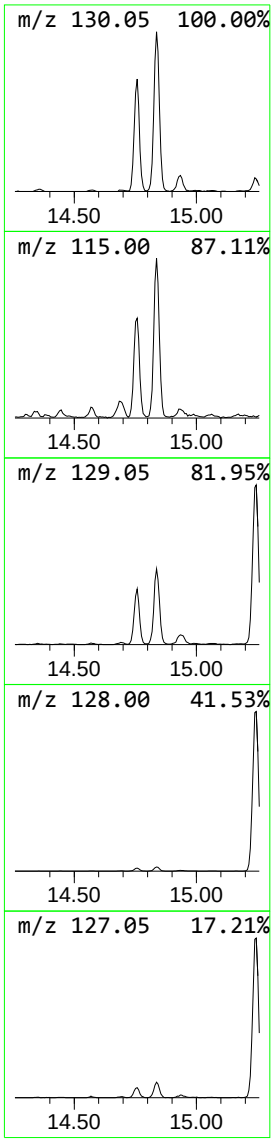
****

Peak Number 3 2-Methylindene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.757	11.46 ug/l	133744	1,4-Dichlorobenzene-d4	13.434

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylindene	130	C10H10	002177-47-1	97
2	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	96
3	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	95
4	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	95
5	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	93





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110223\
Data File : VY016194.D
Acq On : 02 Nov 2023 16:45
Operator : SY/MD
Sample : 05220-02
Misc : 4.06g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
Z-5(0-5)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260

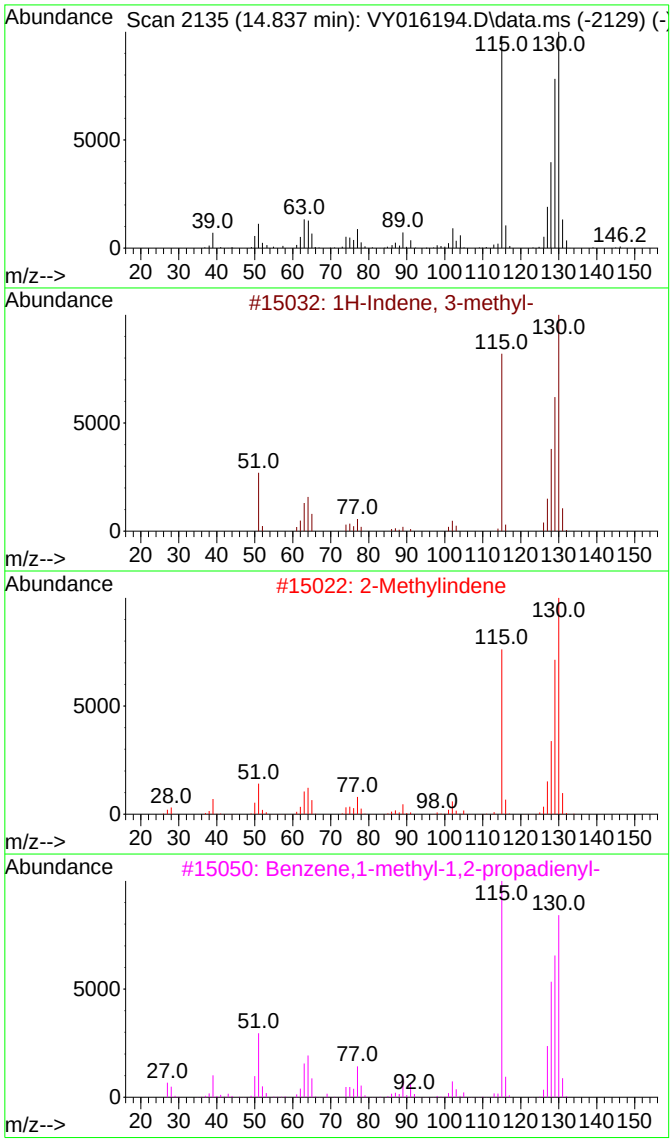
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

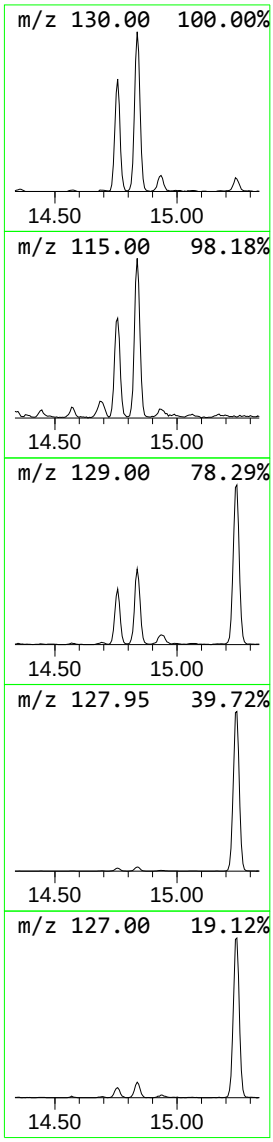
****

Peak Number 4 1H-Indene, 3-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.836	16.64 ug/l	194229	1,4-Dichlorobenzene-d4	13.434

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 3-methyl-	130	C10H10	000767-60-2	95
2	2-Methylindene	130	C10H10	002177-47-1	95
3	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	94
4	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	94
5	Benzene, 1-butynyl-	130	C10H10	000622-76-4	94





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Operator : SY/MD
Sample : 05220-02
Misc : 4.06g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
Z-5(0-5)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260

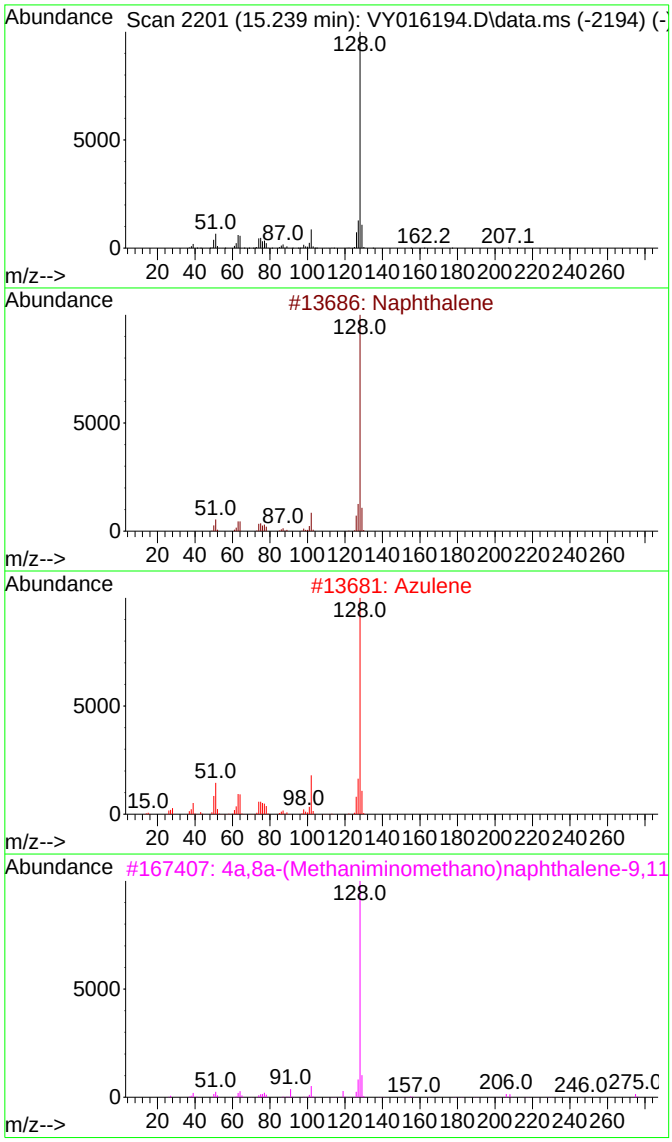
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

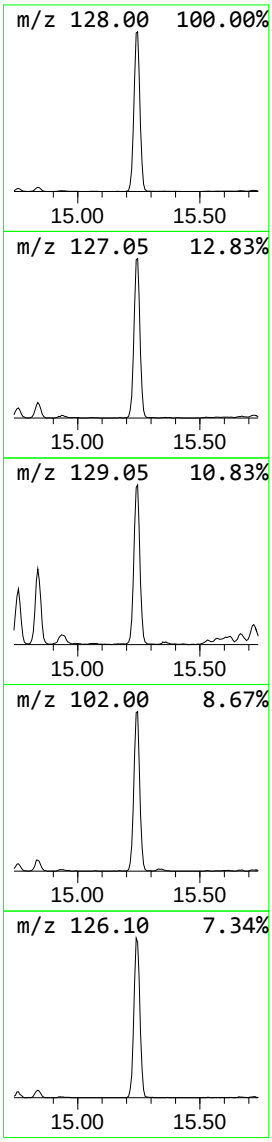
****

Peak Number 5 Azulene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.239	108.31 ug/l	1264050	1,4-Dichlorobenzene-d4	13.434

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene	128	C10H8	000091-20-3	95
2	Azulene	128	C10H8	000275-51-4	91
3	4a,8a-(Methaniminomethano)naphth...	275	C18H13NO2	069915-10-2	78
4	1,3-Dicyanobenzene	128	C8H4N2	000626-17-5	64
5	[4.2.2]Propella-2,4,7,9-tetraene	128	C10H8	088090-34-0	50





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Instrument :
MSVOA_Y
ClientSampleId :
Z-5(0-5)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260

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

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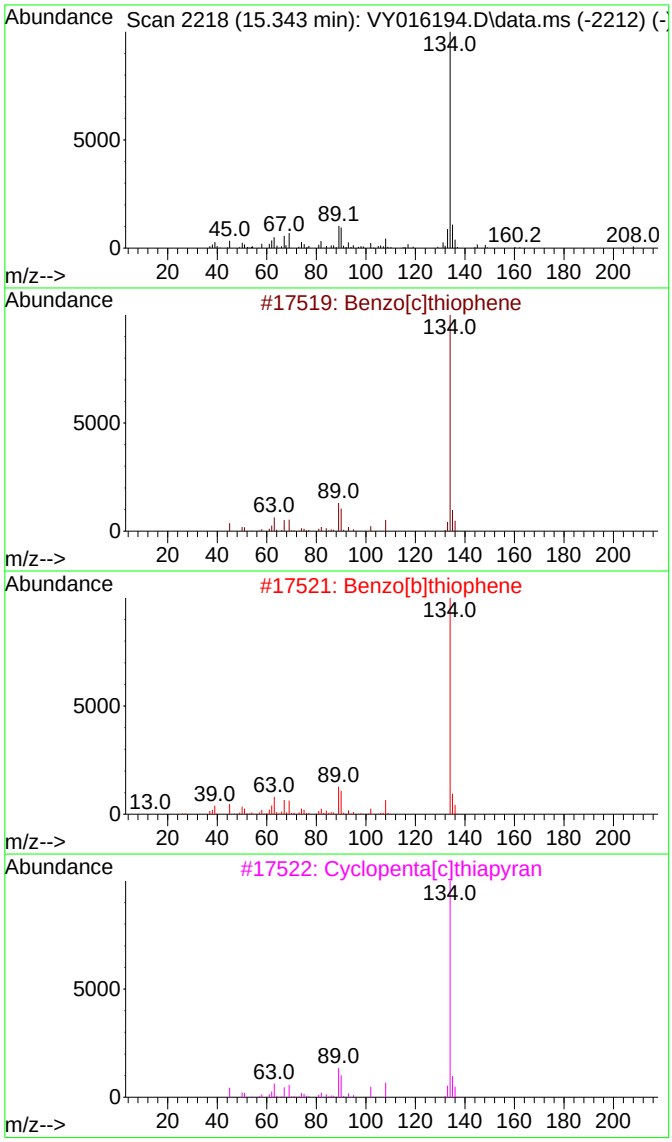
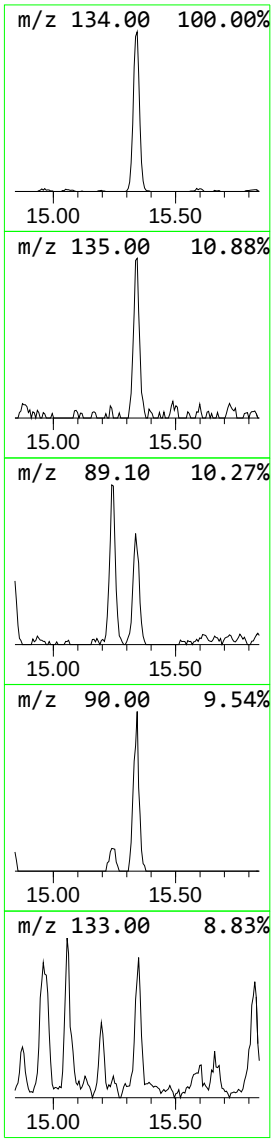
Peak Number 6 Benzo[c]thiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.342	6.91 ug/l	80615	1,4-Dichlorobenzene-d4	13.434

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]thiophene	134	C8H6S	000270-82-6	91
2	Benzo[b]thiophene	134	C8H6S	000095-15-8	90
3	Cyclopenta[c]thiapyran	134	C8H6S	000270-63-3	87
4	3-Deazaadenine	134	C6H6N4	006811-77-4	59
5	Thiazole, 2-methyl-4-phenyl-	175	C10H9NS	001826-16-0	56





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ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
Z-5(0-5)

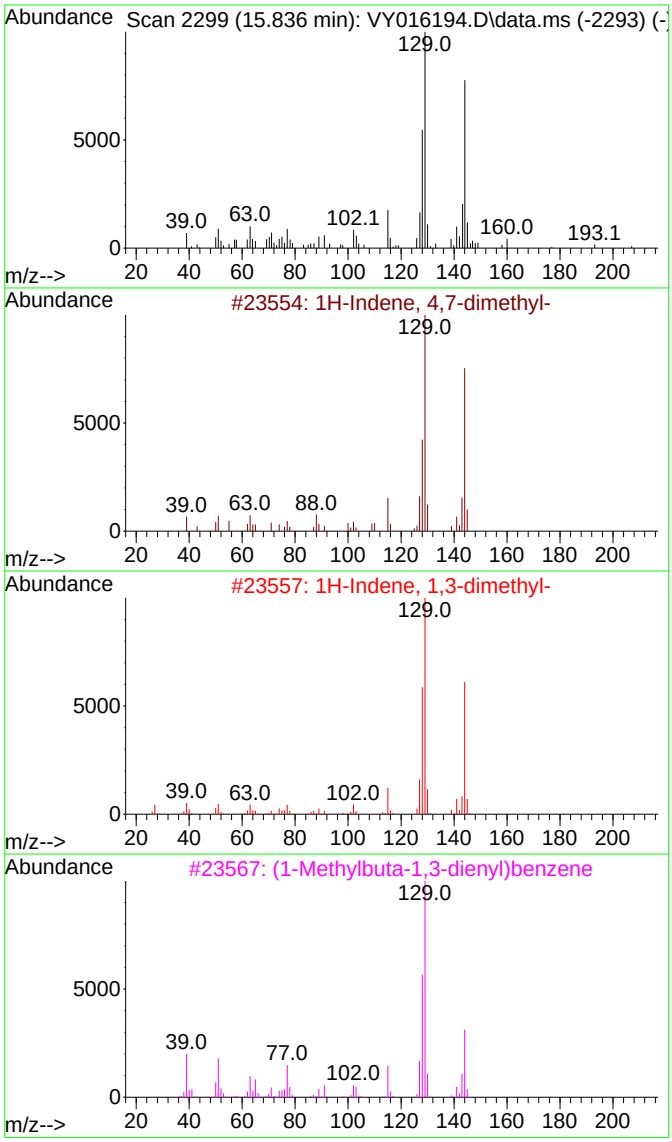
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260

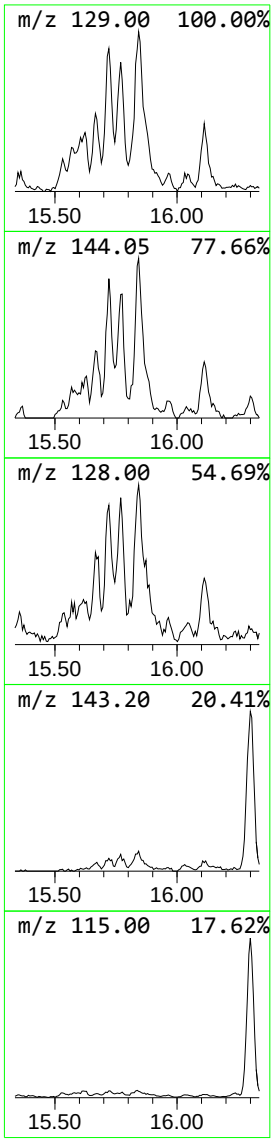
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 1H-Indene, 4,7-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.836	6.56 ug/l	76504	1,4-Dichlorobenzene-d4	13.434

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 4,7-dimethyl-	144	C11H12	006974-97-6	95
2	1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	93
3	(1-Methylbuta-1,3-dienyl)benzene	144	C11H12	054758-36-0	91
4	1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	90
5	1H-Cyclopropa[b]naphthalene, 1a,...	144	C11H12	006571-72-8	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110223\
Data File : VY016194.D
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Operator : SY/MD
Sample : 05220-02
Misc : 4.06g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
Z-5(0-5)

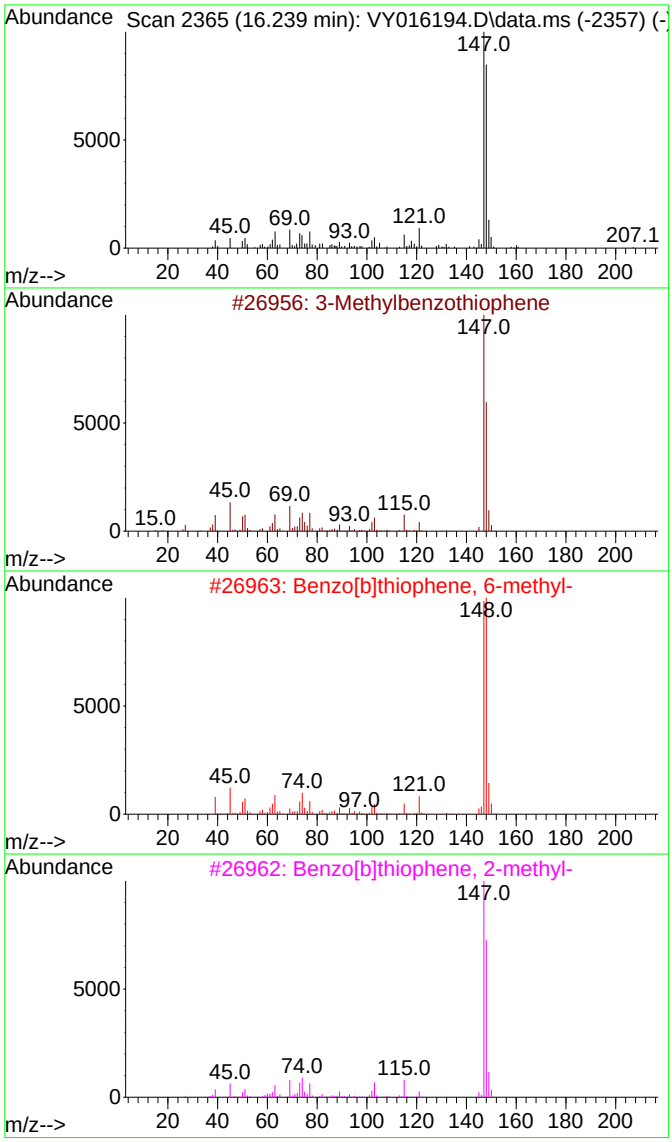
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260

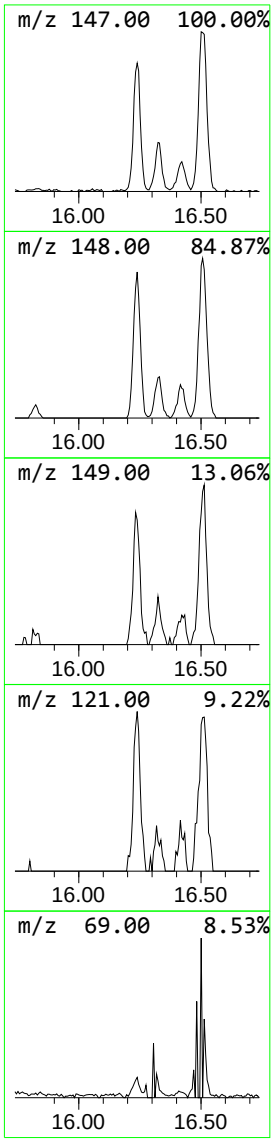
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 3-Methylbenzothiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.239	5.96 ug/l	69593	1,4-Dichlorobenzene-d4	13.434

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methylbenzothiophene	148	C9H8S	001455-18-1	91
2	Benzo[b]thiophene, 6-methyl-	148	C9H8S	016587-47-6	91
3	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	91
4	Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	91
5	Benzo[b]thiophene, 5-methyl-	148	C9H8S	014315-14-1	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110223\
Data File : VY016194.D
Acq On : 02 Nov 2023 16:45
Operator : SY/MD
Sample : 05220-02
Misc : 4.06g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
Z-5(0-5)

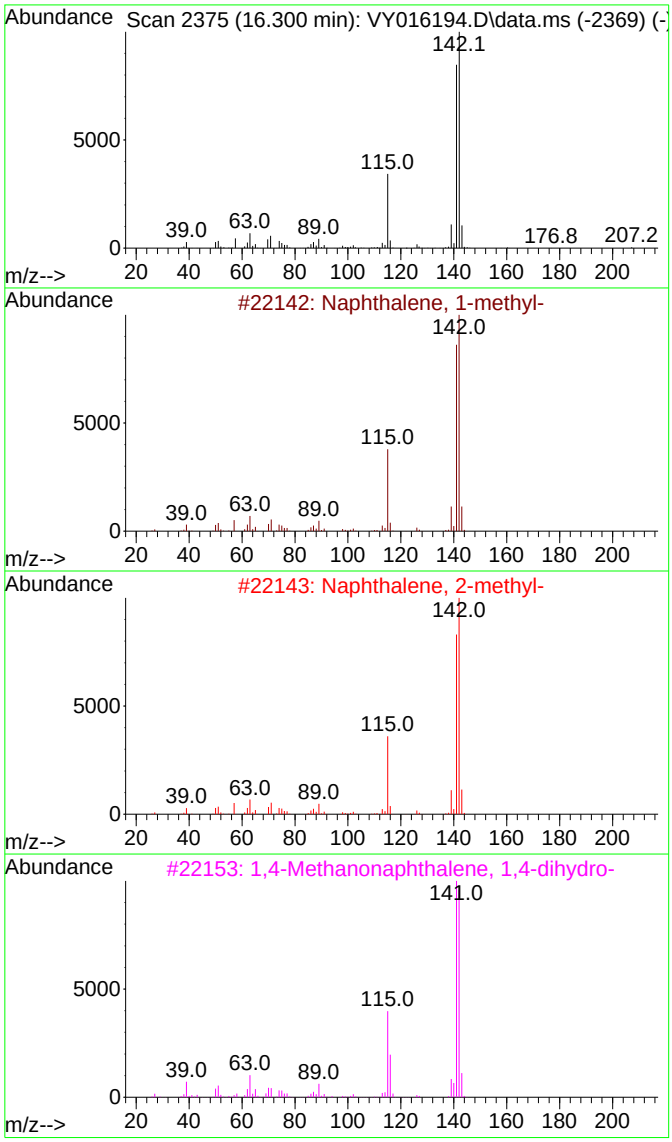
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260

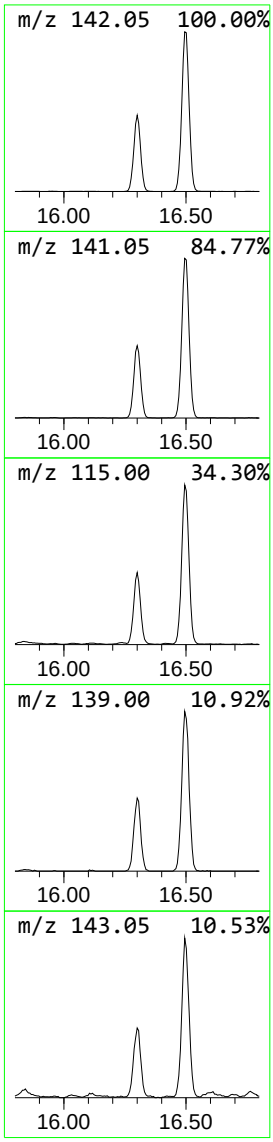
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 1,4-Methanonaphthalene, 1,4... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.300	42.30 ug/l	493671	1,4-Dichlorobenzene-d4	13.434

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	91
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_Y\Data\VY110223\
Data File : VY016194.D
Acq On : 02 Nov 2023 16:45
Operator : SY/MD
Sample : 05220-02
Misc : 4.06g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
Z-5(0-5)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.M
Quant Title : SW846 8260

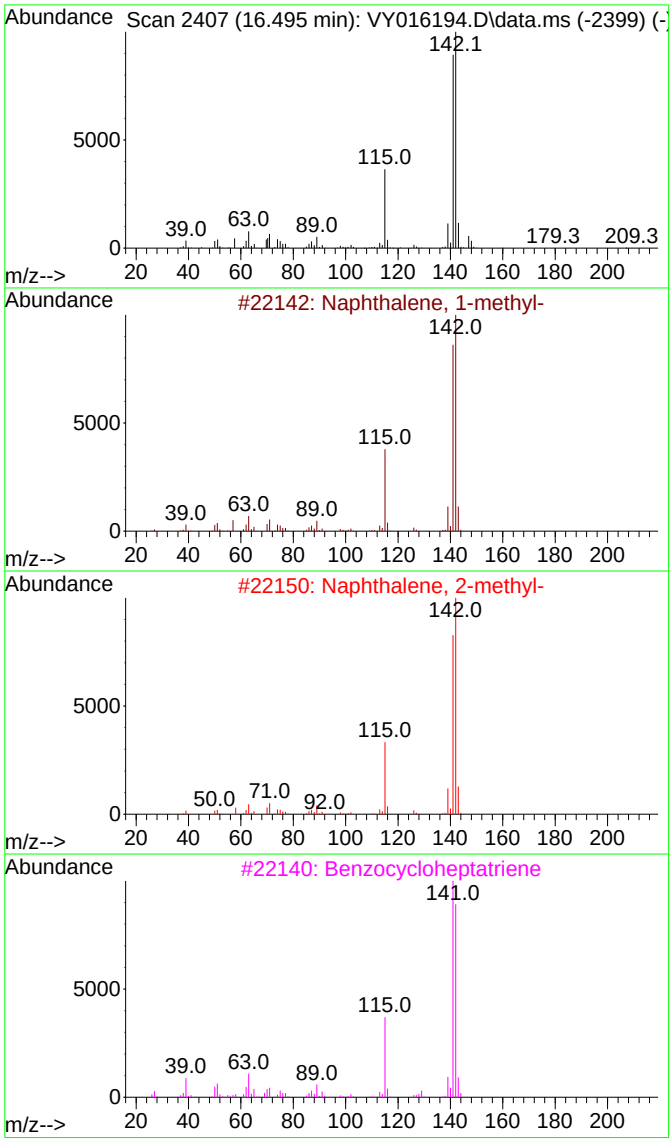
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

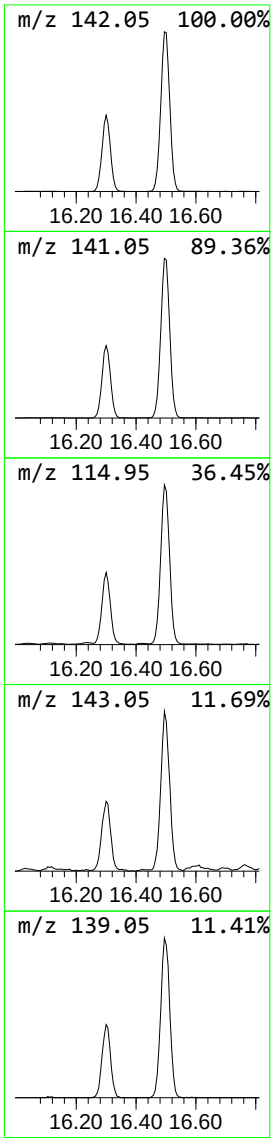
****

Peak Number 10 Benzocycloheptatriene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.495	99.87 ug/l	1165560	1,4-Dichlorobenzene-d4	13.434

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	Benzocycloheptatriene	142	C11H10	000264-09-5	91
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	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\VY110223\
Data File : VY016194.D
Acq On : 02 Nov 2023 16:45
Operator : SY/MD
Sample : 05220-02
Misc : 4.06g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
Z-5(0-5)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y103123S.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
Indene	13.812	12.9	ug/l	151164	4	13.434	583518	50.0
Benzene, 1-ethy...	14.684	7.9	ug/l	92166	4	13.434	583518	50.0
2-Methylindene	14.757	11.5	ug/l	133744	4	13.434	583518	50.0
1H-Indene, 3-me...	14.836	16.6	ug/l	194229	4	13.434	583518	50.0
Azulene	15.239	108.3	ug/l	1264050	4	13.434	583518	50.0
Benzo[c]thiophene	15.342	6.9	ug/l	80615	4	13.434	583518	50.0
1H-Indene, 4,7-...	15.836	6.6	ug/l	76504	4	13.434	583518	50.0
3-Methylbenzoth...	16.239	6.0	ug/l	69593	4	13.434	583518	50.0
1,4-Methanonaph...	16.300	42.3	ug/l	493671	4	13.434	583518	50.0
Benzocyclohepta...	16.495	99.9	ug/l	1165560	4	13.434	583518	50.0