LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101123\
Data File : VY015936.D
Acq On : 11 Oct 2023 20:03
Operator : SY/MD
Sample : 04841-02
Misc : 9.59g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
M-3(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\82Y100923S.M
Title : SW846 8260

Signal : TIC: VY015936.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.204	382	391	401	rVB	16434	43908	1.04%	0.274%
2	4.722	464	476	490	rBV2	39364	121313	2.88%	0.756%
3	7.722	957	968	974	rBV	132888	326391	7.75%	2.035%
4	7.795	974	980	993	rVB	227021	517318	12.28%	3.225%
5	8.149	1028	1038	1051	rBV2	143588	355361	8.43%	2.215%
6	8.691	1118	1127	1143	rBV	354731	706646	16.77%	4.405%
7	10.185	1364	1372	1378	rBV	555208	956687	22.70%	5.964%
8	10.246	1378	1382	1388	rVB	42709	72792	1.73%	0.454%
9	11.496	1579	1587	1594	rBV	503754	825991	19.60%	5.149%
10	11.709	1613	1622	1633	rBV	24367	60086	1.43%	0.375%
11	12.032	1666	1675	1685	rVB2	38242	88543	2.10%	0.552%
12	12.489	1743	1750	1763	rVB2	415056	727720	17.27%	4.536%
13	12.819	1799	1804	1810	rVB2	27785	46813	1.11%	0.292%
14	12.977	1814	1830	1840	rBV2	128088	360514	8.56%	2.247%
15	13.123	1845	1854	1859	rVV2	44128	124879	2.96%	0.778%
16	13.172	1859	1862	1868	rVB	28898	45420	1.08%	0.283%
17	13.428	1898	1904	1908	rBV	487702	765132	18.16%	4.770%
18	13.599	1924	1932	1935	rBV	74444	126776	3.01%	0.790%
19	13.629	1935	1937	1940	rVV2	46864	70052	1.66%	0.437%
20	13.672	1940	1944	1954	rVV3	84303	161246	3.83%	1.005%
21	13.812	1962	1967	1975	rVB2	59521	115982	2.75%	0.723%
22	13.891	1975	1980	1988	rBV2	36363	90903	2.16%	0.567%
23	13.977	1988	1994	1999	rBV2	171243	258637	6.14%	1.612%
24	14.087	2006	2012	2015	rBV2	57022	100039	2.37%	0.624%
25	14.117	2015	2017	2022	rVB3	36519	45032	1.07%	0.281%
26	14.221	2028	2034	2037	rBV	51253	83028	1.97%	0.518%
27	14.300	2037	2047	2050	rVV2	114222	281057	6.67%	1.752%
28	14.343	2050	2054	2058	rVV	143570	222486	5.28%	1.387%
29	14.385	2058	2061	2065	rVV2	52547	78115	1.85%	0.487%
30	14.446	2065	2071	2081	rVB3	35403	92981	2.21%	0.580%
31	14.568	2087	2091	2096	rBV	49621	79546	1.89%	0.496%
32	14.617	2096	2099	2103	rVB	35356	49777	1.18%	0.310%
33	14.678	2103	2109	2115	rBV2	228441	404895	9.61%	2.524%
34	14.751	2115	2121	2130	rVB2	223822	429966	10.20%	2.680%
35	14.836	2130	2135	2140	rBV	216710	330059	7.83%	2.057%
36	14.952	2148	2154	2166	rVB2	120889	283077	6.72%	1.765%

LSC Area Percent Report

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Misc : 9.59g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument :
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ClientSampleId :
M-3(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\82Y100923S.M
Title : SW846 8260

37	15.056	2166	2171	2178	rBV2	76569	137493	3.26%	0.857%
38	15.166	2184	2189	2192	rBV3	41565	76460	1.81%	0.477%
39	15.245	2197	2202	2207	rVB	105925	179580	4.26%	1.119%
40	15.342	2213	2218	2224	rVB3	84700	164283	3.90%	1.024%
41	15.531	2243	2249	2254	rBV	103769	203766	4.84%	1.270%
42	15.611	2256	2262	2267	rVV4	50586	133026	3.16%	0.829%
43	15.666	2267	2271	2275	rVV3	43703	72189	1.71%	0.450%
44	15.720	2275	2280	2284	rVV2	115174	191630	4.55%	1.195%
45	15.769	2284	2288	2293	rVB	76814	121846	2.89%	0.760%
46	15.836	2293	2299	2304	rBV3	116292	267987	6.36%	1.671%
47	16.037	2325	2332	2338	rBV4	39317	97059	2.30%	0.605%
48	16.117	2338	2345	2356	rVV5	51115	189628	4.50%	1.182%
49	16.239	2356	2365	2370	rVV	144397	347815	8.25%	2.168%
50	16.300	2370	2375	2389	rVB	51776	149319	3.54%	0.931%
51	16.495	2399	2407	2418	rVV2	1993608	4213880	100.00%	26.268%
52	16.592	2421	2423	2435	rVB6	17122	46885	1.11%	0.292%

Sum of corrected areas: 16042014

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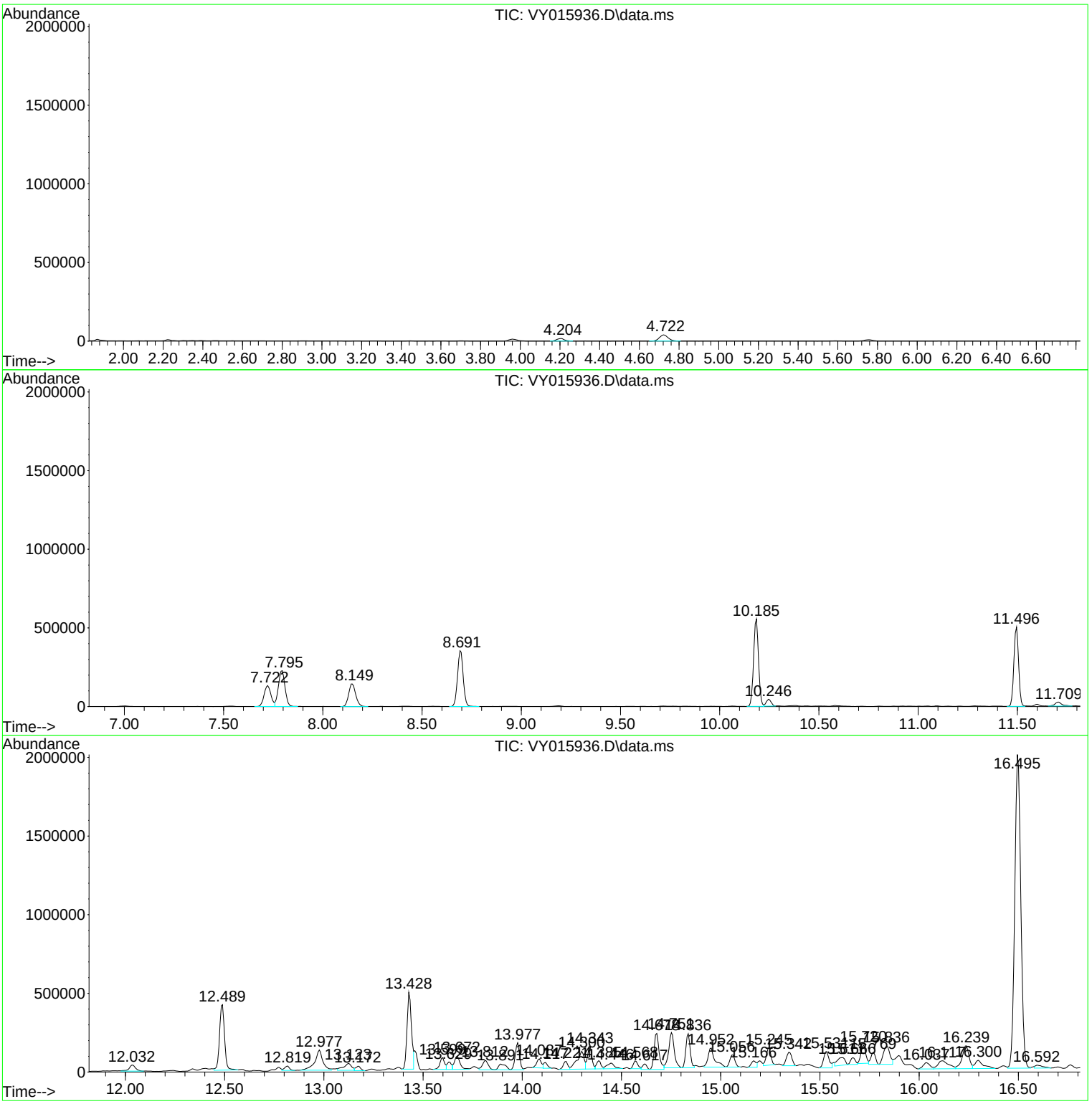
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
M-3(0-5)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100923S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101123\
Data File : VY015936.D
Acq On : 11 Oct 2023 20:03
Operator : SY/MD
Sample : 04841-02
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ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
M-3(0-5)

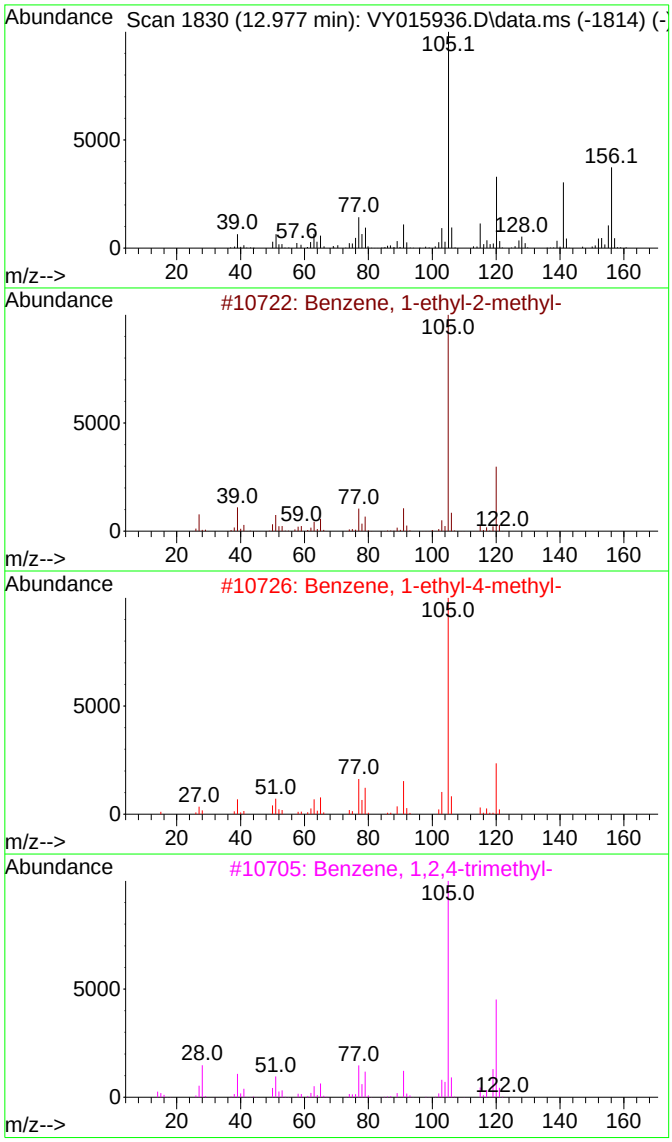
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100923S.M
Quant Title : SW846 8260

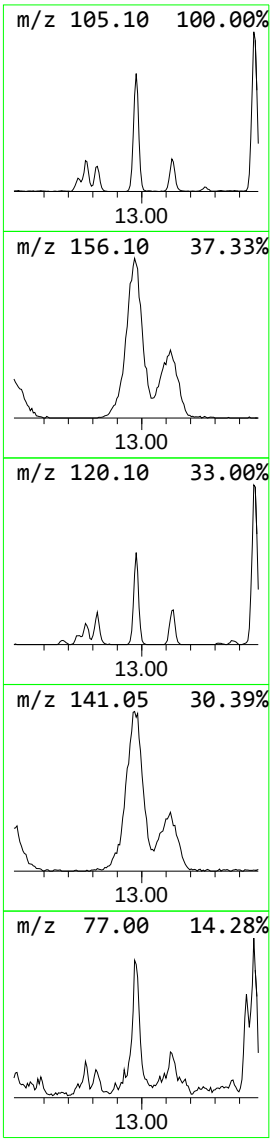
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.977	23.56 ug/l	360514	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	86
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	83
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	46
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	46
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101123\
Data File : VY015936.D
Acq On : 11 Oct 2023 20:03
Operator : SY/MD
Sample : 04841-02
Misc : 9.59g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
M-3(0-5)

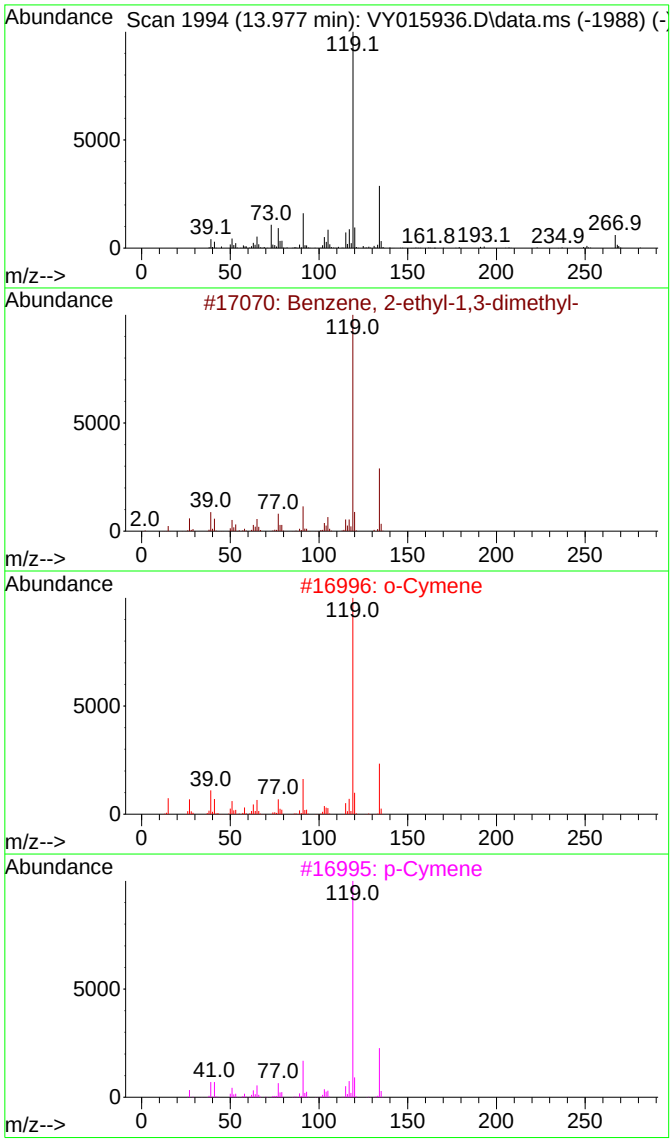
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100923S.M
Quant Title : SW846 8260

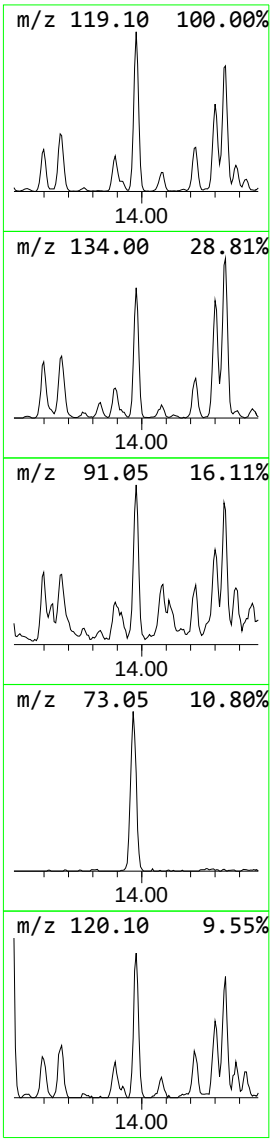
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.977	16.90 ug/l	258637	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
2	o-Cymene	134	C10H14	000527-84-4	94
3	p-Cymene	134	C10H14	000099-87-6	94
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	93





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101123\
Data File : VY015936.D
Acq On : 11 Oct 2023 20:03
Operator : SY/MD
Sample : 04841-02
Misc : 9.59g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
M-3(0-5)

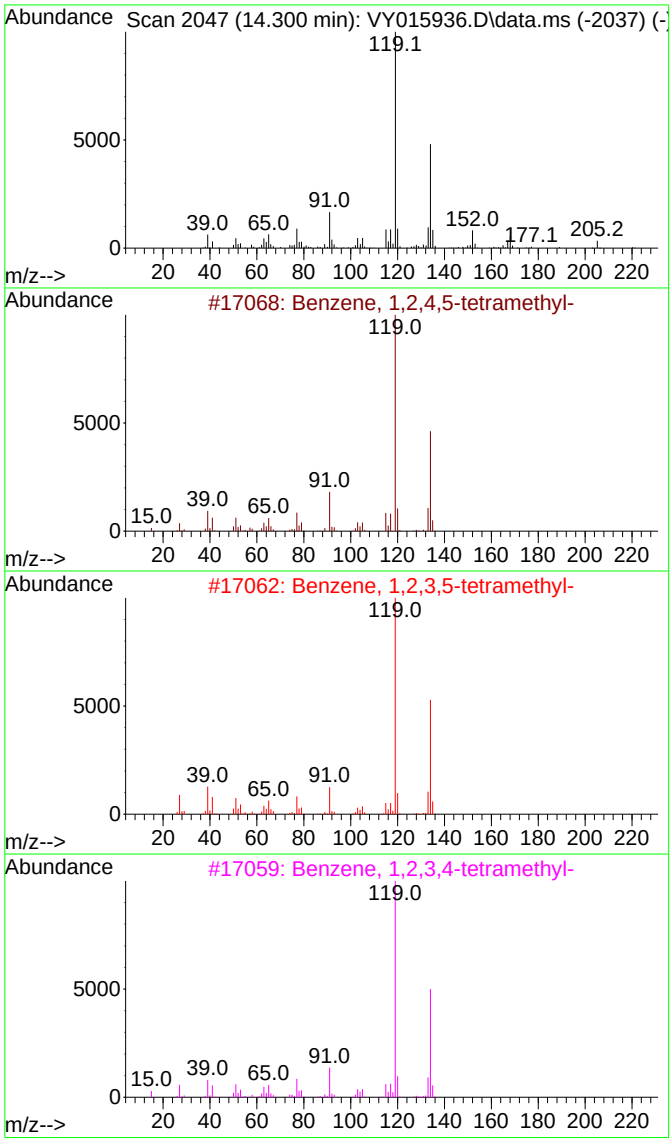
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100923S.M
Quant Title : SW846 8260

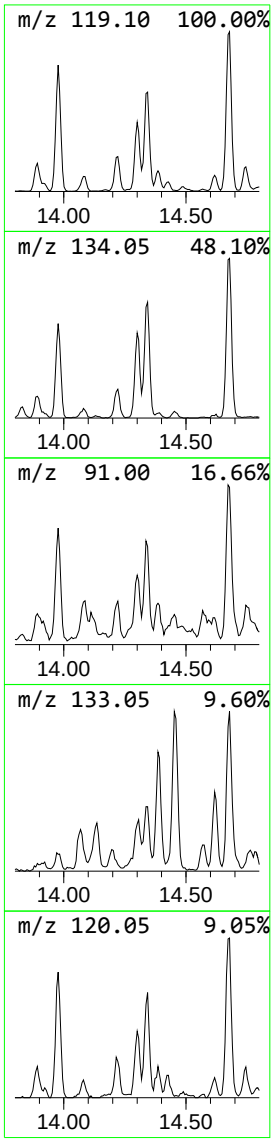
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.300	18.37 ug/l	281057	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	93
4	o-Cymene	134	C10H14	000527-84-4	91
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	90





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Operator : SY/MD
Sample : 04841-02
Misc : 9.59g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
M-3(0-5)

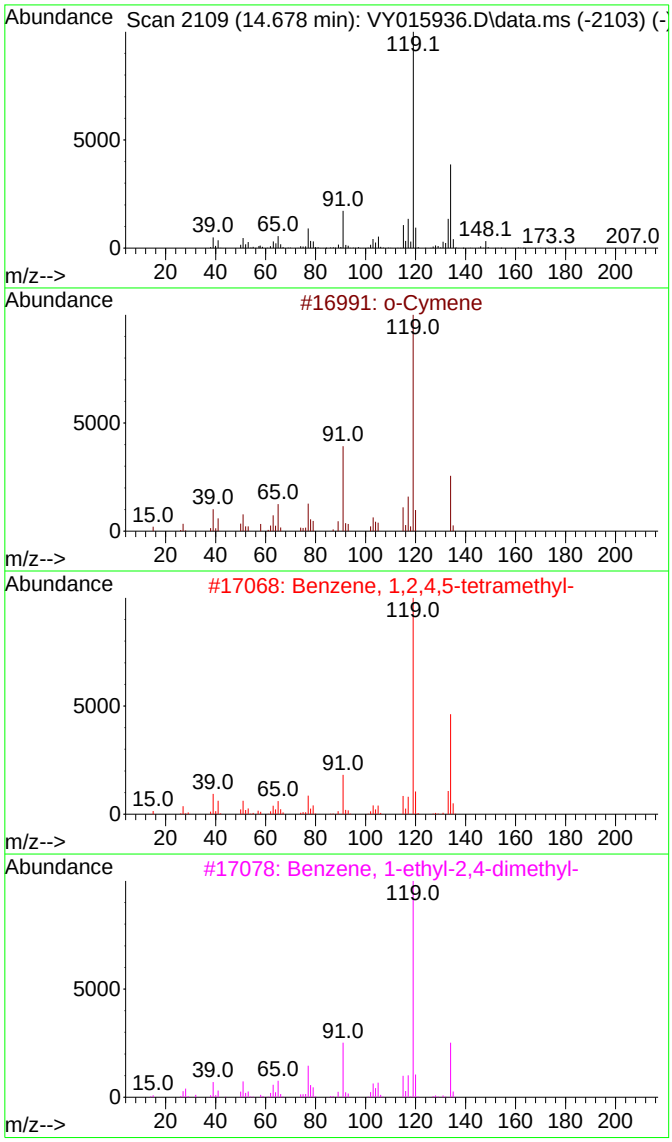
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100923S.M
Quant Title : SW846 8260

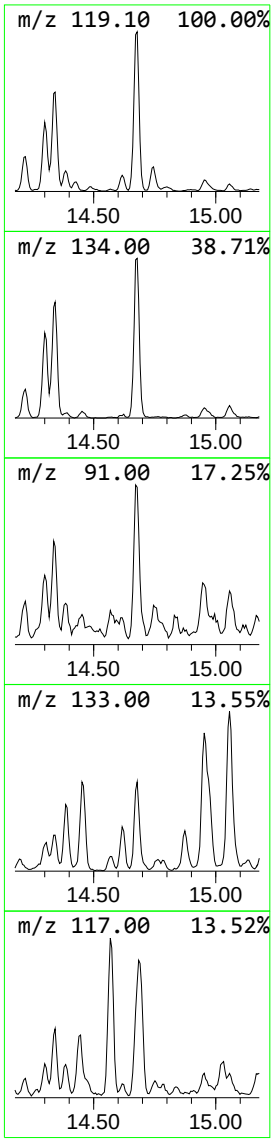
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 o-Cymene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.678	26.46 ug/l	404895	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	95
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
4	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	93
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91





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ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
M-3(0-5)

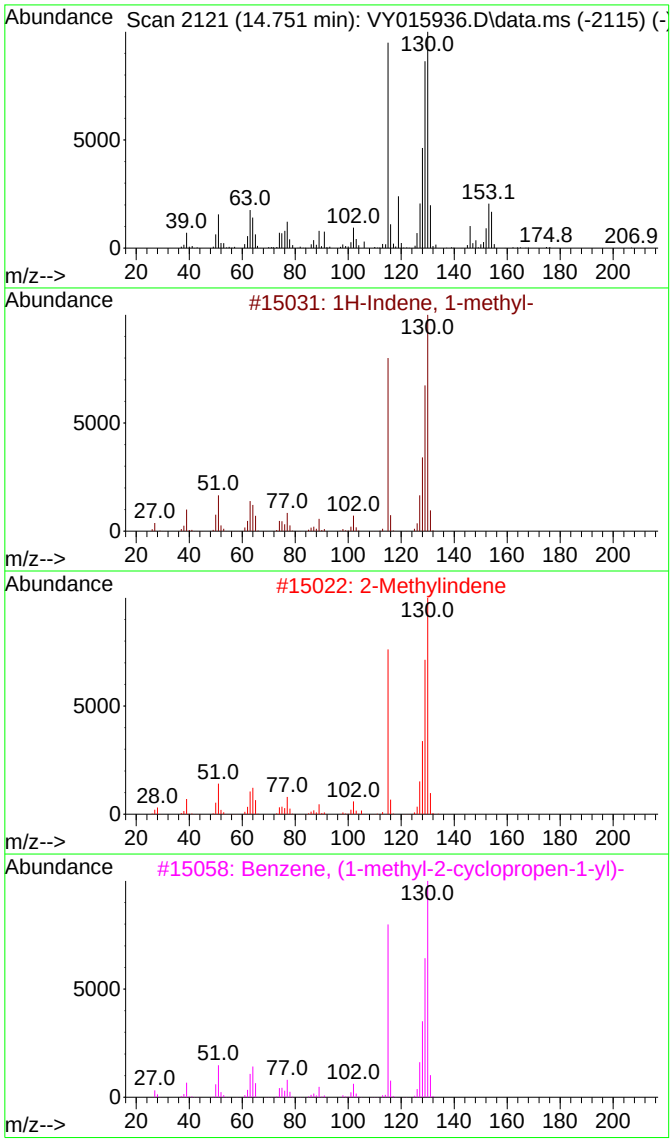
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100923S.M
Quant Title : SW846 8260

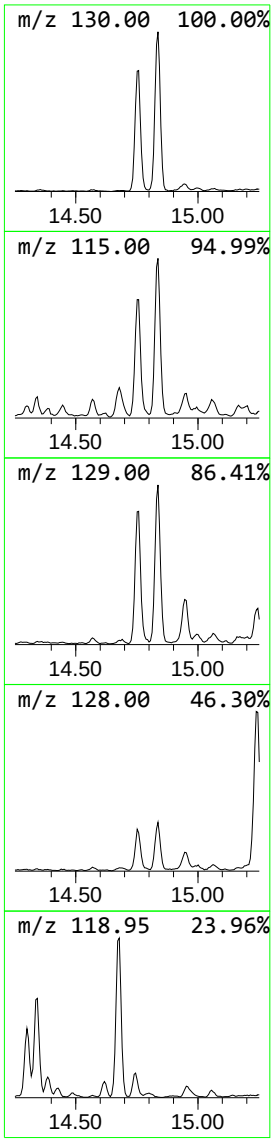
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 1H-Indene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.751	28.10 ug/l	429966	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
2	2-Methylindene	130	C10H10	002177-47-1	93
3	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	93
4	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	87
5	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	87





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Instrument :
MSVOA_Y
ClientSampleId :
M-3(0-5)

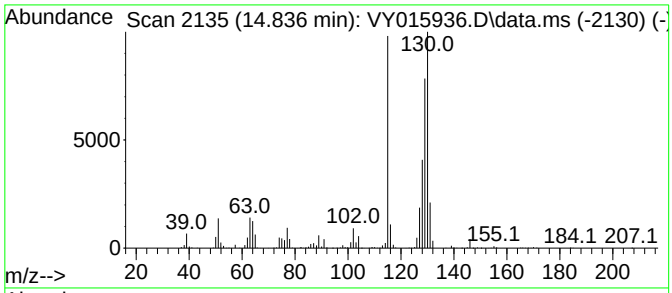
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100923S.M
Quant Title : SW846 8260

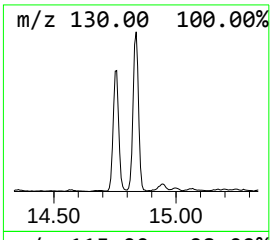
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

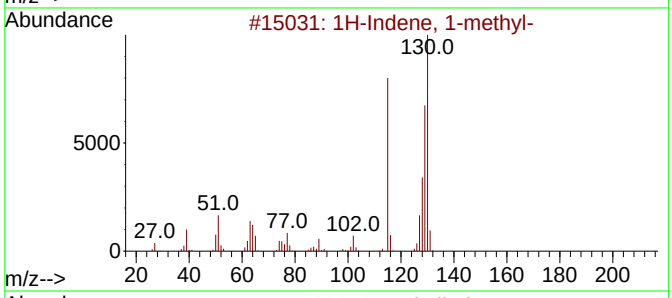
****
Peak Number 6 2-Methylindene Concentration Rank 6

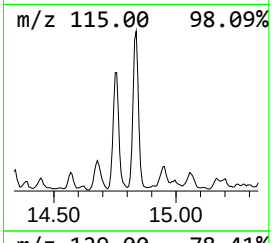
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.836	21.57 ug/l	330059	1,4-Dichlorobenzene-d4	13.428

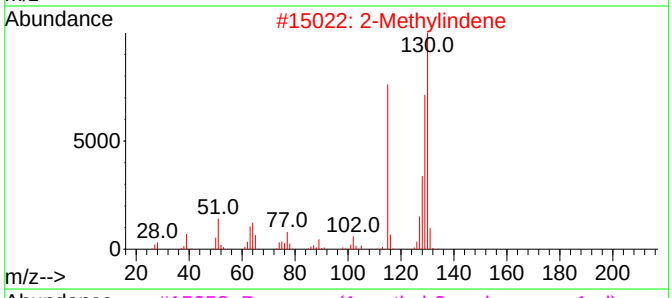
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
2	2-Methylindene	130	C10H10	002177-47-1	96
3	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	95
4	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	95
5	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	93

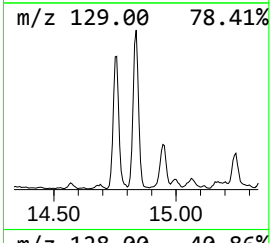


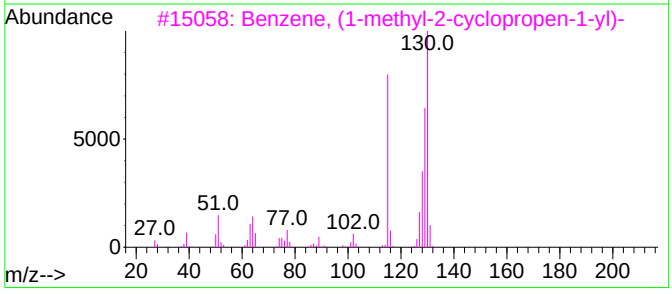


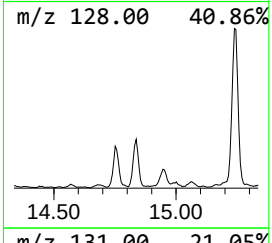


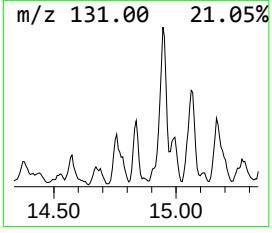












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Data File : VY015936.D
Acq On : 11 Oct 2023 20:03
Operator : SY/MD
Sample : 04841-02
Misc : 9.59g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
M-3(0-5)

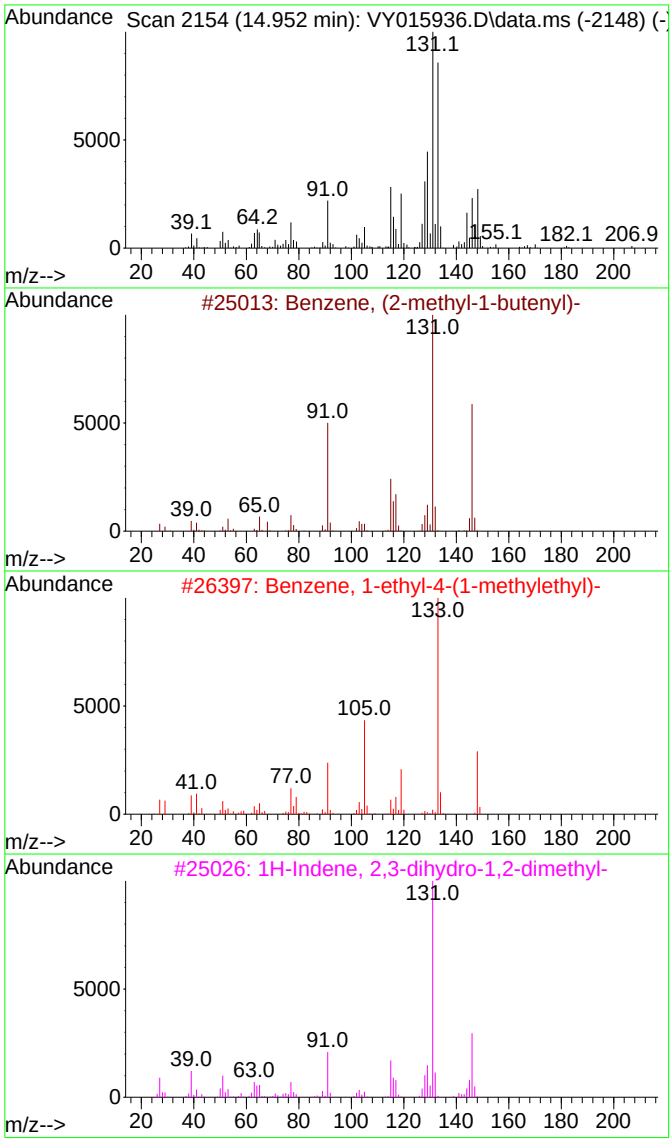
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100923S.M
Quant Title : SW846 8260

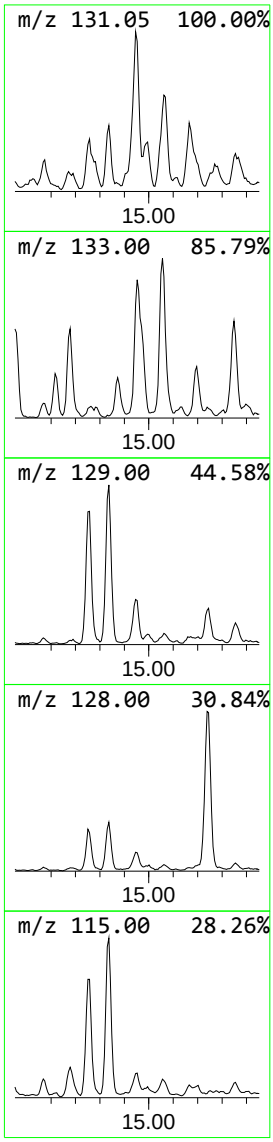
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 unknown14.952 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.952	18.50 ug/l	283077	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	42
2	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	38
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	38
4	Benzene, 1-methyl-3-(1-methyl-2-...	146	C11H14	052161-57-6	38
5	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101123\
Data File : VY015936.D
Acq On : 11 Oct 2023 20:03
Operator : SY/MD
Sample : 04841-02
Misc : 9.59g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
M-3(0-5)

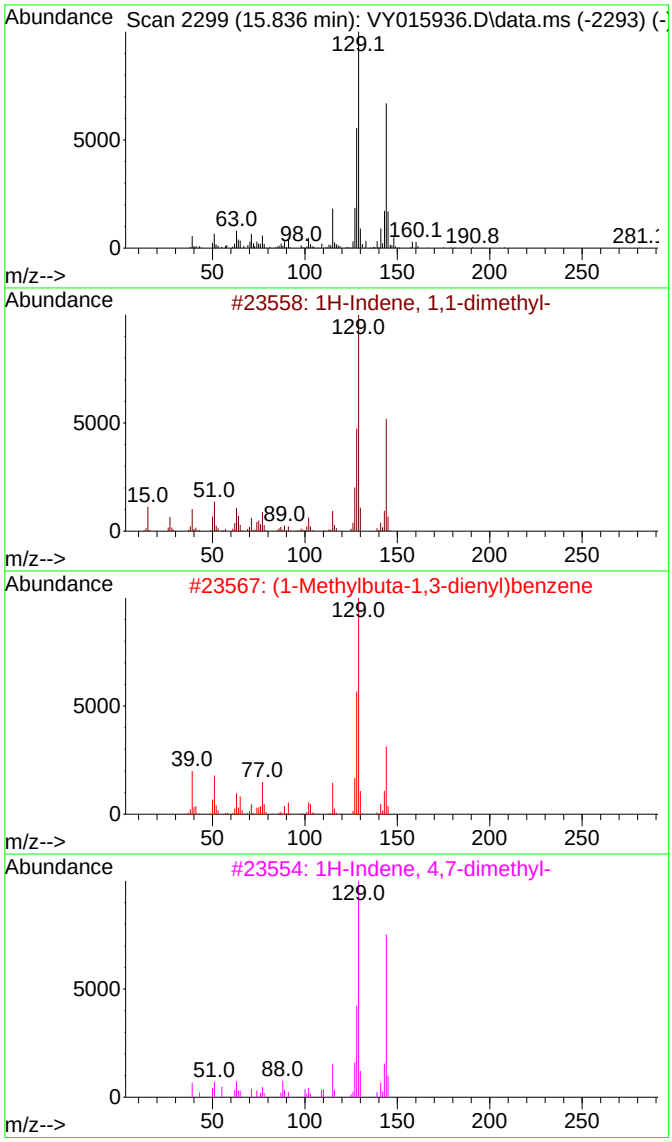
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100923S.M
Quant Title : SW846 8260

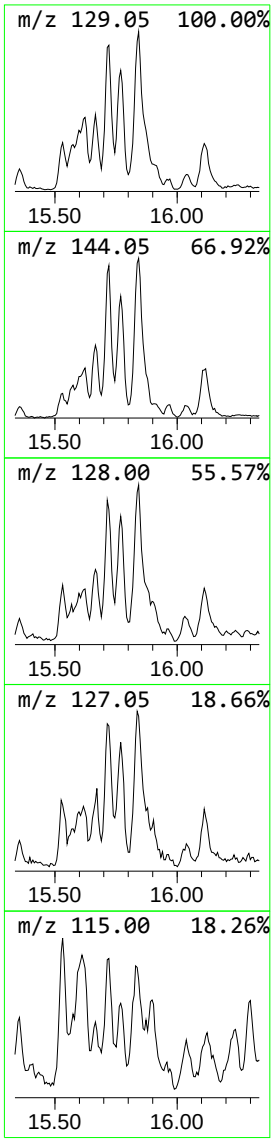
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 1H-Indene, 1,1-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.836	17.51 ug/l	267987	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	90
2	(1-Methylbuta-1,3-dienyl)benzene	144	C11H12	054758-36-0	90
3	1H-Indene, 4,7-dimethyl-	144	C11H12	006974-97-6	90
4	1H-Indene, 1,3-dimethyl-	144	C11H12	002177-48-2	87
5	1H-Indene, 2,3-dimethyl-	144	C11H12	004773-82-4	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101123\
Data File : VY015936.D
Acq On : 11 Oct 2023 20:03
Operator : SY/MD
Sample : 04841-02
Misc : 9.59g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
M-3(0-5)

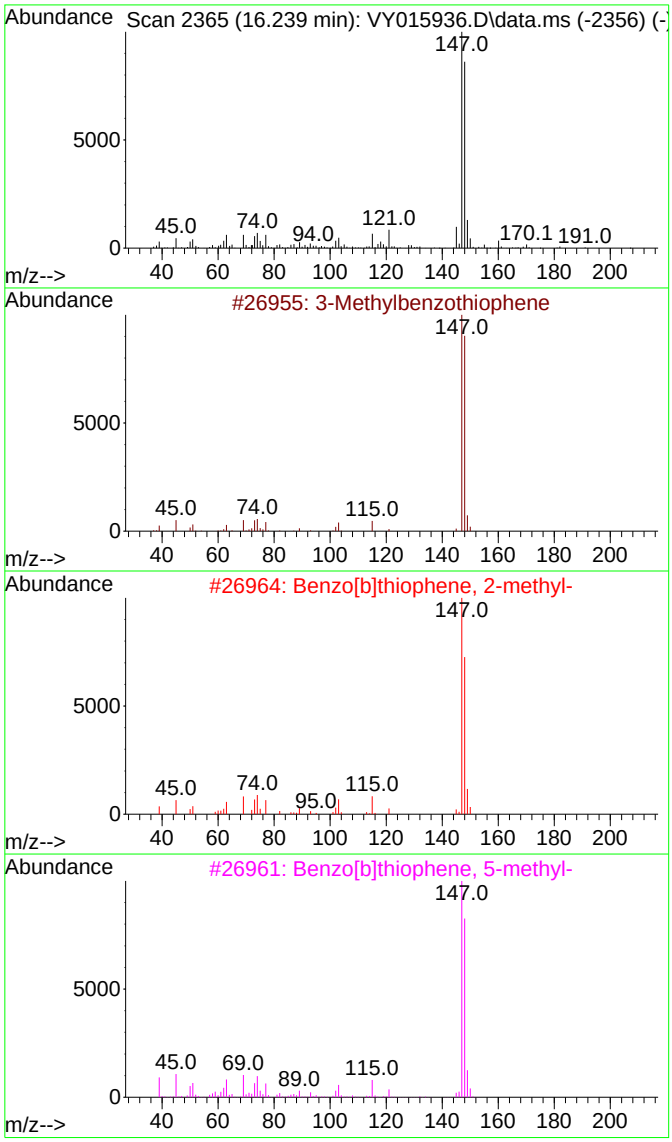
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100923S.M
Quant Title : SW846 8260

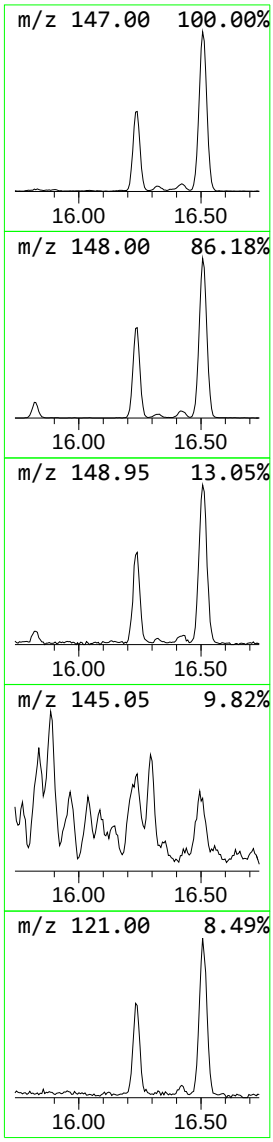
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 3-Methylbenzothiophene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.239	22.73 ug/l	347815	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methylbenzothiophene	148	C9H8S	001455-18-1	90
2	Benzo[b]thiophene, 2-methyl-	148	C9H8S	001195-14-8	90
3	Benzo[b]thiophene, 5-methyl-	148	C9H8S	014315-14-1	90
4	Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	87
5	2-Propenoic acid, 3-phenyl-	148	C9H8O2	000621-82-9	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101123\
Data File : VY015936.D
Acq On : 11 Oct 2023 20:03
Operator : SY/MD
Sample : 04841-02
Misc : 9.59g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
M-3(0-5)

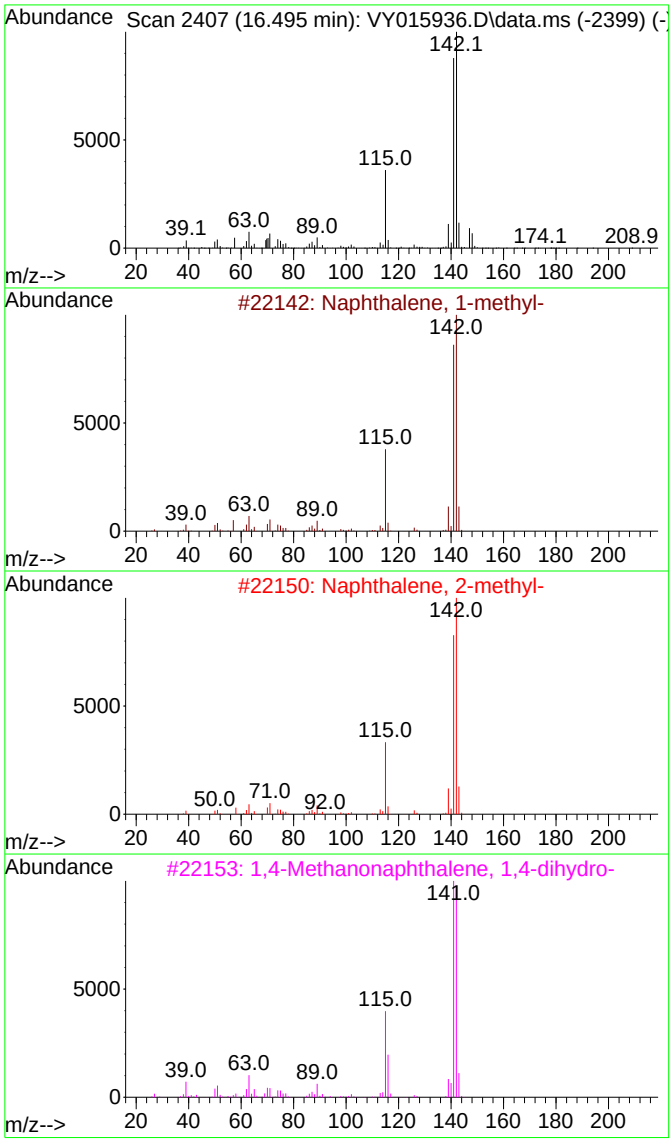
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100923S.M
Quant Title : SW846 8260

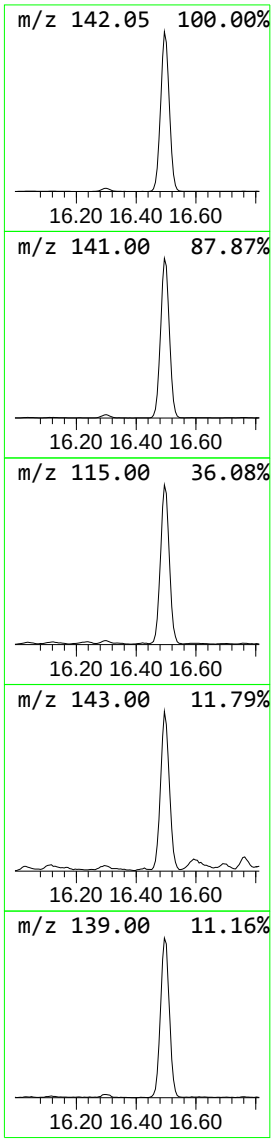
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.495	275.37 ug/l	4213880	1,4-Dichlorobenzene-d4	13.428

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	90
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\VY101123\
Data File : VY015936.D
Acq On : 11 Oct 2023 20:03
Operator : SY/MD
Sample : 04841-02
Misc : 9.59g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
M-3(0-5)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100923S.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
Benzene, 1-ethy...	12.977	23.6	ug/l	360514	4	13.428	765132	50.0
Benzene, 2-ethy...	13.977	16.9	ug/l	258637	4	13.428	765132	50.0
Benzene, 1,2,4,...	14.300	18.4	ug/l	281057	4	13.428	765132	50.0
o-Cymene	14.678	26.5	ug/l	404895	4	13.428	765132	50.0
1H-Indene, 1-me...	14.751	28.1	ug/l	429966	4	13.428	765132	50.0
2-Methylindene	14.836	21.6	ug/l	330059	4	13.428	765132	50.0
unknown14.952	14.952	18.5	ug/l	283077	4	13.428	765132	50.0
1H-Indene, 1,1-...	15.836	17.5	ug/l	267987	4	13.428	765132	50.0
3-Methylbenzoth...	16.239	22.7	ug/l	347815	4	13.428	765132	50.0
1,4-Methanonaph...	16.495	275.4	ug/l	4213880	4	13.428	765132	50.0