LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032425\
Data File : VY021622.D
Acq On : 24 Mar 2025 16:48
Operator : SY/MD
Sample : Q1633-01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SLG

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\82Y030425S.M
Title : SW846 8260

Signal : TIC: VY021622.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.616	465	475	484	rBV3	10095	33577	2.62%	0.383%
2	5.647	632	644	656	rVB7	5827	18255	1.43%	0.208%
3	7.634	960	970	976	rBV	191879	459522	35.88%	5.241%
4	7.707	976	982	993	rVB	277286	624443	48.76%	7.122%
5	8.061	1031	1040	1052	rBV	167048	380182	29.69%	4.336%
6	8.616	1122	1131	1146	rBV	466580	917664	71.65%	10.467%
7	10.109	1367	1376	1383	rBV	748269	1280699	100.00%	14.607%
8	10.170	1383	1386	1393	rVB2	13166	23611	1.84%	0.269%
9	11.414	1582	1590	1602	rBV	672194	1101822	86.03%	12.567%
10	11.627	1616	1625	1635	rBV4	21414	52682	4.11%	0.601%
11	11.956	1675	1679	1687	rVB	12161	21792	1.70%	0.249%
12	12.261	1723	1729	1739	rBV	76579	127474	9.95%	1.454%
13	12.408	1746	1753	1762	rBV	527712	803064	62.71%	9.160%
14	12.658	1787	1794	1797	rBV	10774	20809	1.62%	0.237%
15	12.731	1802	1806	1812	rVV4	17650	30769	2.40%	0.351%
16	12.816	1812	1820	1828	rVB4	10739	21650	1.69%	0.247%
17	13.048	1851	1858	1867	rBV2	13916	28928	2.26%	0.330%
18	13.261	1884	1893	1897	rBV6	10468	24456	1.91%	0.279%
19	13.346	1901	1907	1916	rVB	592966	867354	67.73%	9.893%
20	13.798	1975	1981	1984	rBV5	9976	16192	1.26%	0.185%
21	13.889	1991	1996	2001	rVB3	9954	15021	1.17%	0.171%
22	14.169	2037	2042	2045	rBV6	8622	16525	1.29%	0.188%
23	14.304	2059	2064	2066	rBV5	10821	14867	1.16%	0.170%
24	14.334	2066	2069	2075	rVB8	10442	16189	1.26%	0.185%
25	14.596	2106	2112	2117	rBV5	20742	44783	3.50%	0.511%
26	14.651	2117	2121	2126	rVB4	25682	41682	3.25%	0.475%
27	14.743	2128	2136	2137	rBV7	5296	13098	1.02%	0.149%
28	14.767	2138	2140	2147	rVB8	7404	13861	1.08%	0.158%
29	14.864	2151	2156	2159	rBV2	27795	49440	3.86%	0.564%
30	14.962	2167	2172	2179	rBV2	34104	73376	5.73%	0.837%
31	15.047	2183	2186	2191	rVB4	15619	26211	2.05%	0.299%
32	15.145	2192	2202	2208	rBV2	70934	160836	12.56%	1.834%
33	15.255	2214	2220	2224	rBV	56357	96735	7.55%	1.103%
34	15.303	2224	2228	2232	rVB2	24995	37373	2.92%	0.426%
35	15.431	2243	2249	2257	rBV2	91989	193485	15.11%	2.207%
36	15.505	2258	2261	2265	rVV	20695	35025	2.73%	0.399%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032425\
Data File : VY021622.D
Acq On : 24 Mar 2025 16:48
Operator : SY/MD
Sample : Q1633-01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SLG

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\82Y030425S.M
Title : SW846 8260

37	15.559	2265	2270	2271	rVV2	31344	48226	3.77%	0.550%
38	15.590	2272	2275	2285	rVB	56506	135478	10.58%	1.545%
39	15.712	2287	2295	2301	rBV2	71295	147081	11.48%	1.678%
40	15.785	2301	2307	2313	rVB2	32674	62565	4.89%	0.714%
41	15.925	2324	2330	2334	rBV8	10606	19579	1.53%	0.223%
42	16.181	2365	2372	2379	rBV	200615	376442	29.39%	4.294%
43	16.370	2395	2403	2415	rVB	123871	274705	21.45%	3.133%

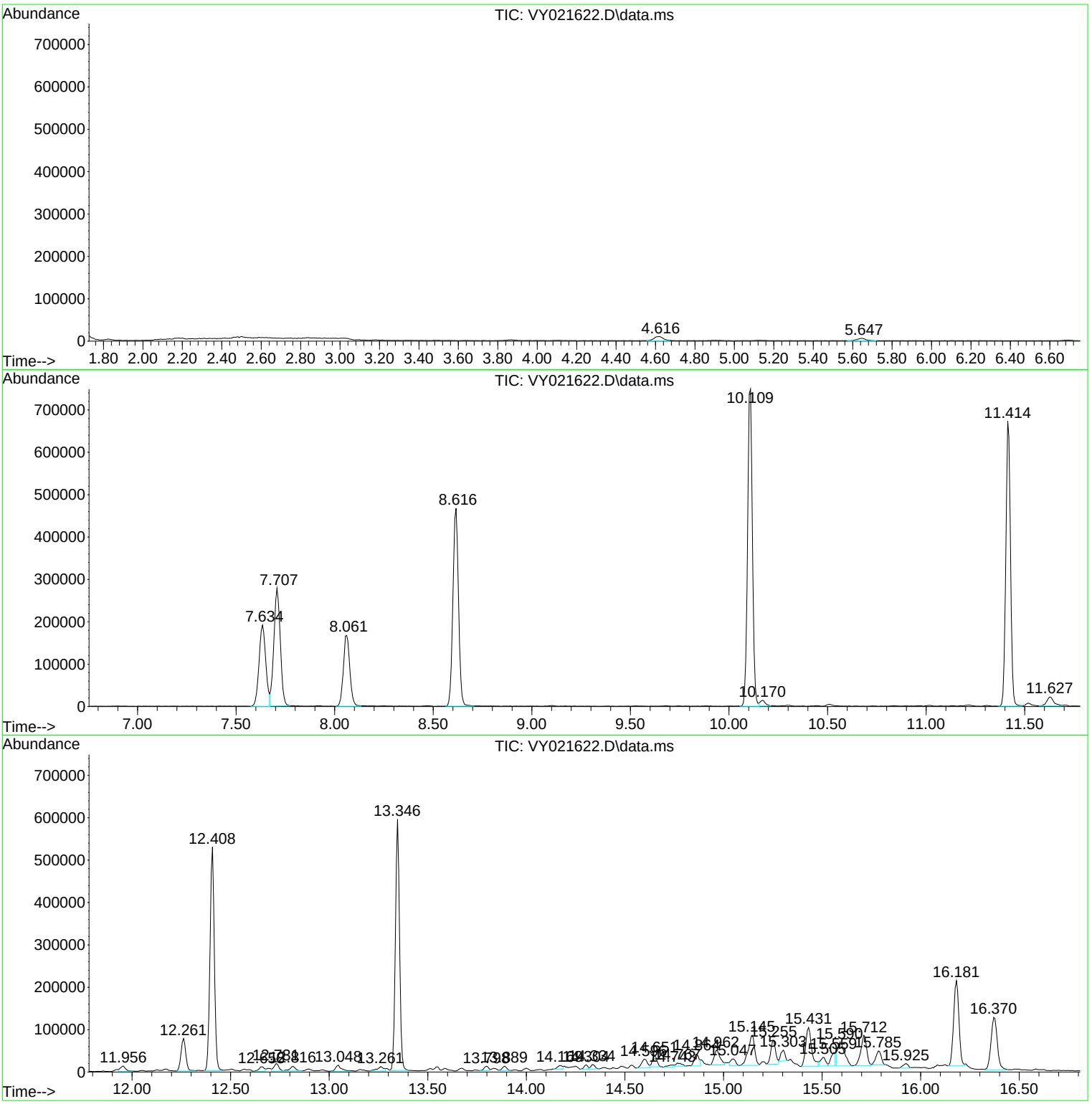
Sum of corrected areas: 8767528

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032425\
Data File : VY021622.D
Acq On : 24 Mar 2025 16:48
Operator : SY/MD
Sample : Q1633-01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SLG

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032425\
Data File : VY021622.D
Acq On : 24 Mar 2025 16:48
Operator : SY/MD
Sample : Q1633-01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SLG

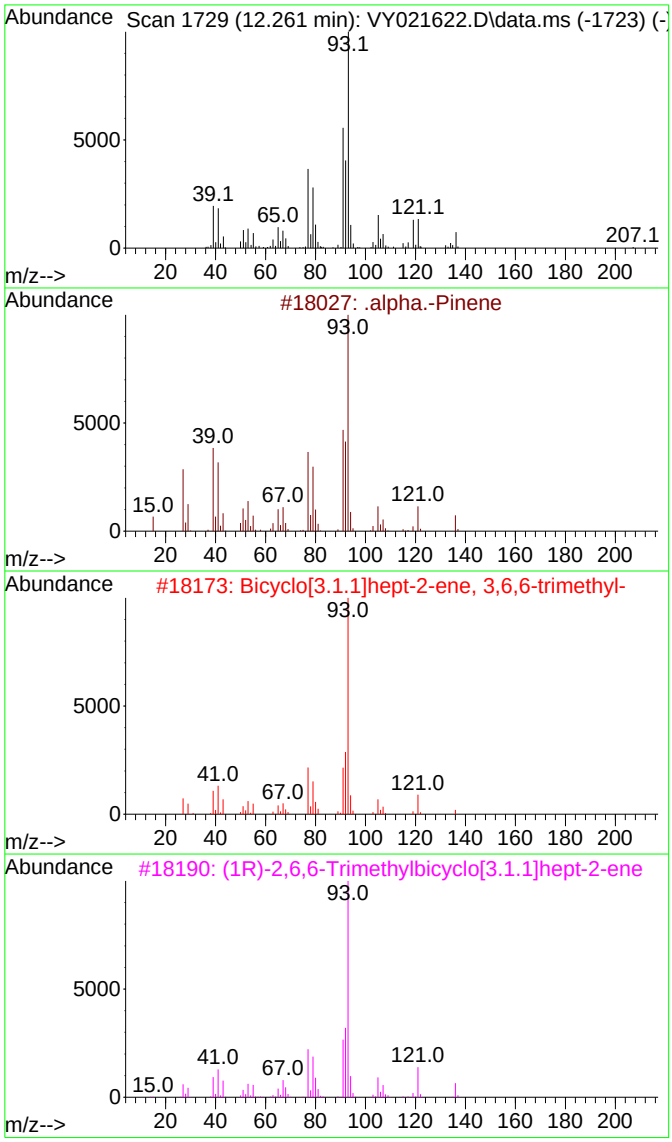
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

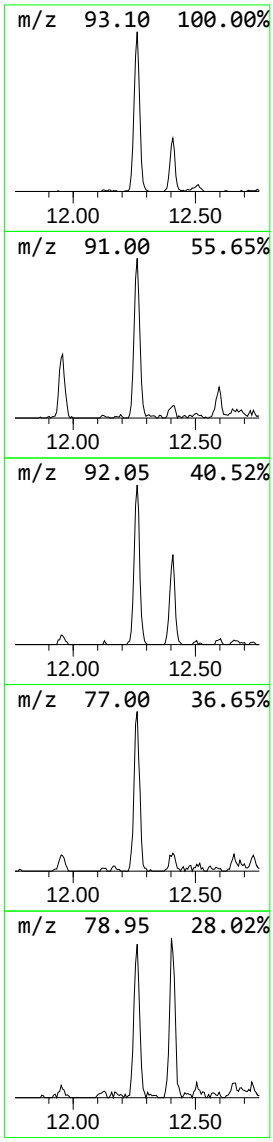
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 .alpha.-Pinene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.261	5.78 ug/l	127474	Chlorobenzene-d5	11.414

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Pinene	136	C10H16	000080-56-8	94
2	Bicyclo[3.1.1]hept-2-ene, 3,6,6-...	136	C10H16	004889-83-2	91
3	(1R)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-70-8	90
4	(1S)-2,6,6-Trimethylbicyclo[3.1....	136	C10H16	007785-26-4	90
5	.gamma.-Terpinene	136	C10H16	000099-85-4	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032425\
Data File : VY021622.D
Acq On : 24 Mar 2025 16:48
Operator : SY/MD
Sample : Q1633-01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SLG

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

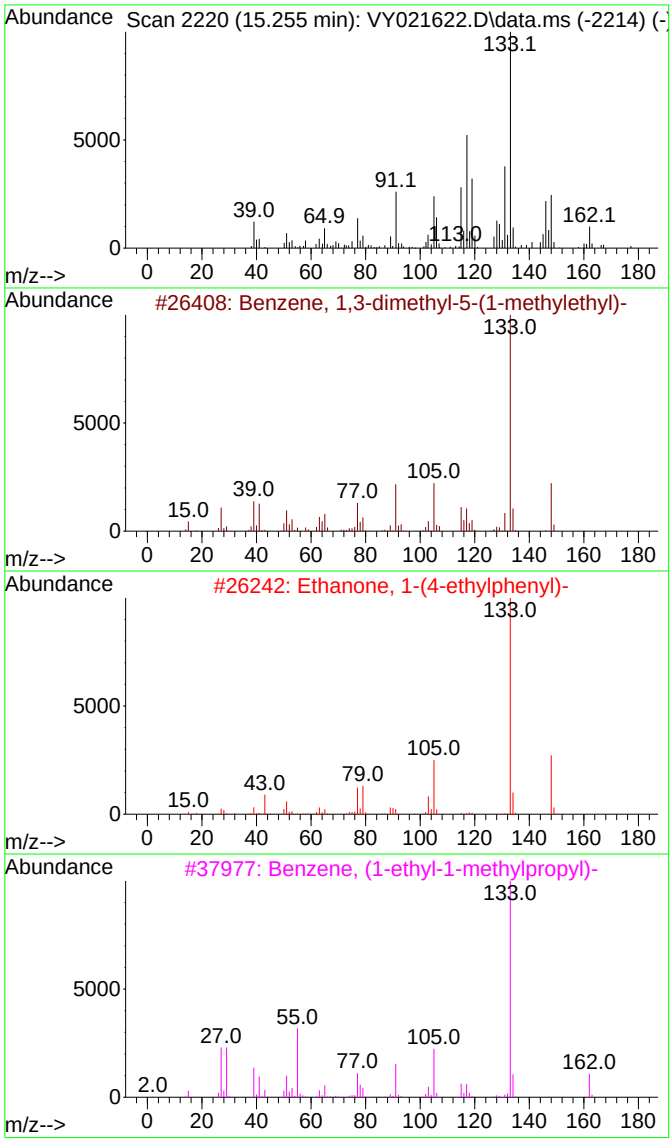
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

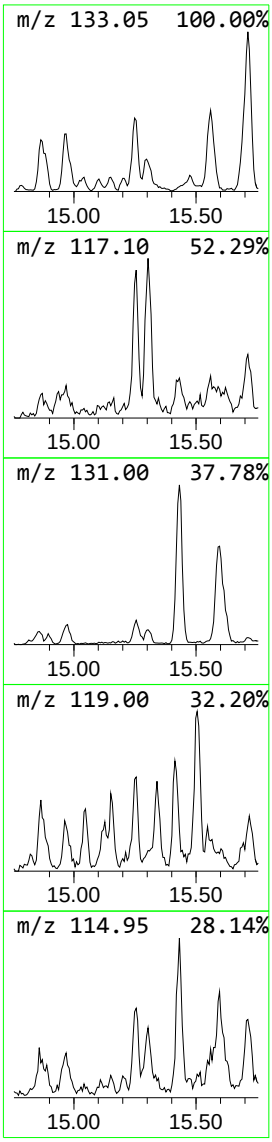
****

Peak Number 2 unknown15.255 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.255	5.58 ug/l	96735	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	46
2	Ethanone, 1-(4-ethylphenyl)-	148	C10H12O	000937-30-4	41
3	Benzene, (1-ethyl-1-methylpropyl)-	162	C12H18	001985-97-3	38
4	1-Propanone, 3-cyclopentyl-1-(2,...	230	C16H22O	055191-11-2	35
5	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	30





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032425\
Data File : VY021622.D
Acq On : 24 Mar 2025 16:48
Operator : SY/MD
Sample : Q1633-01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SLG

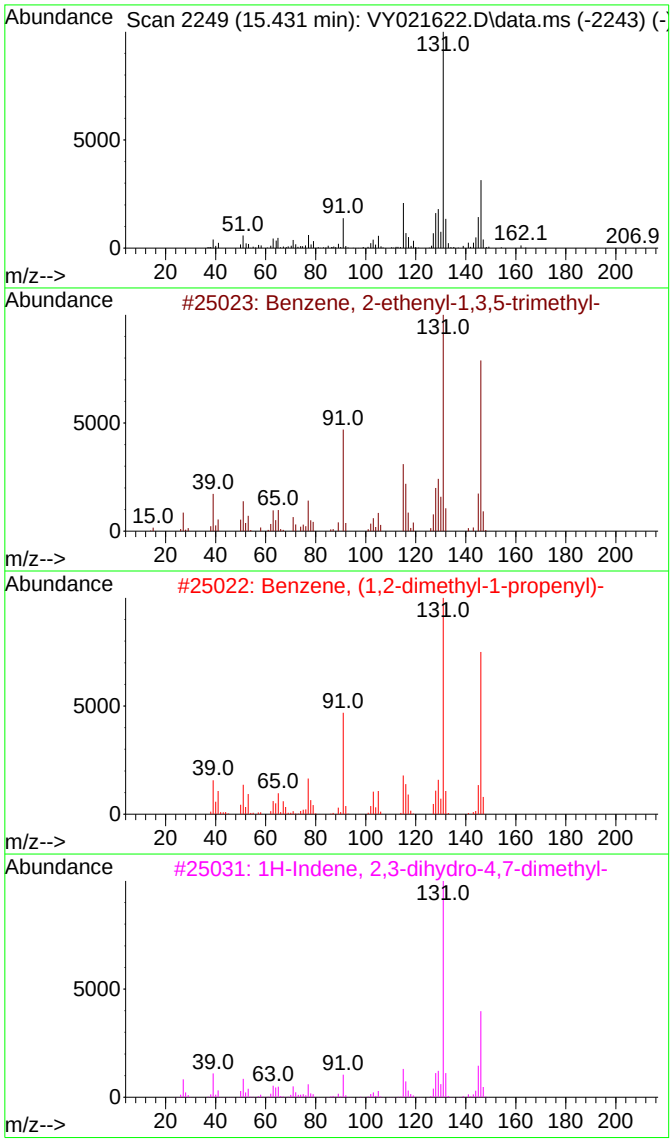
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

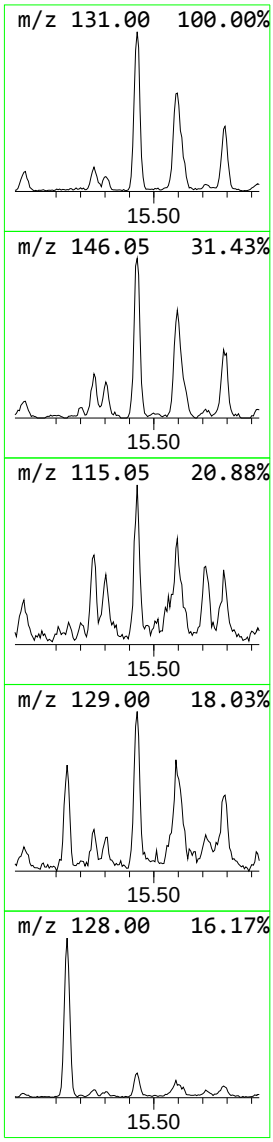
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Benzene, 2-ethenyl-1,3,5-tr... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.431	11.15 ug/l	193485	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	91
2	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	91
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	91
4	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	90
5	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032425\
Data File : VY021622.D
Acq On : 24 Mar 2025 16:48
Operator : SY/MD
Sample : Q1633-01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SLG

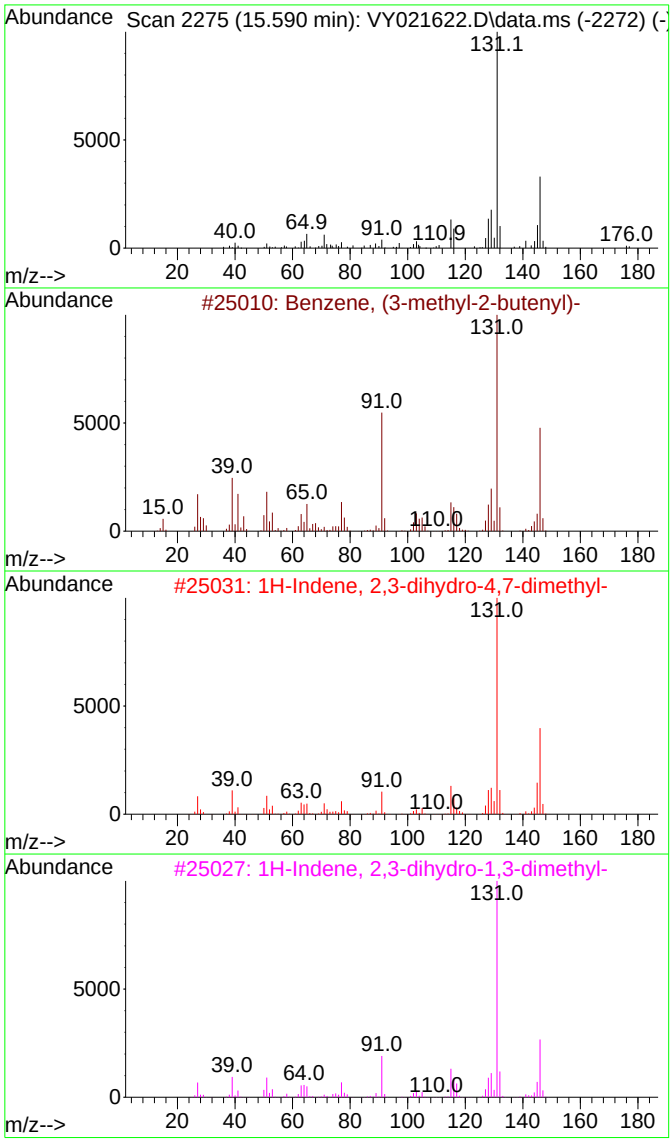
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

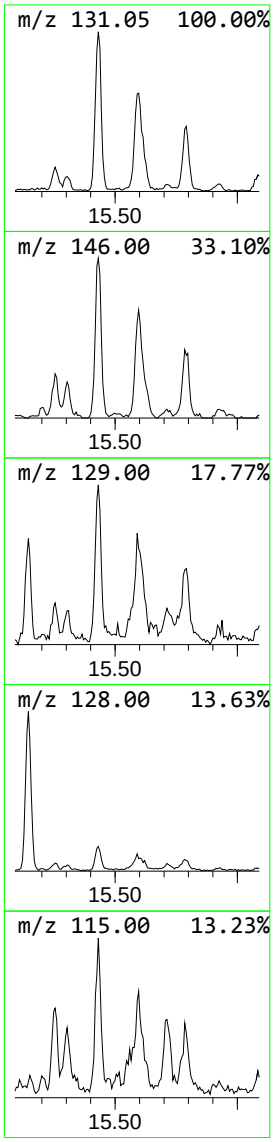
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Benzene, (3-methyl-2-butenyl)- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.590	7.81 ug/l	135478	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	96
2	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
3	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	91
4	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	90
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	146	C11H14	027087-54-3	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032425\
Data File : VY021622.D
Acq On : 24 Mar 2025 16:48
Operator : SY/MD
Sample : Q1633-01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SLG

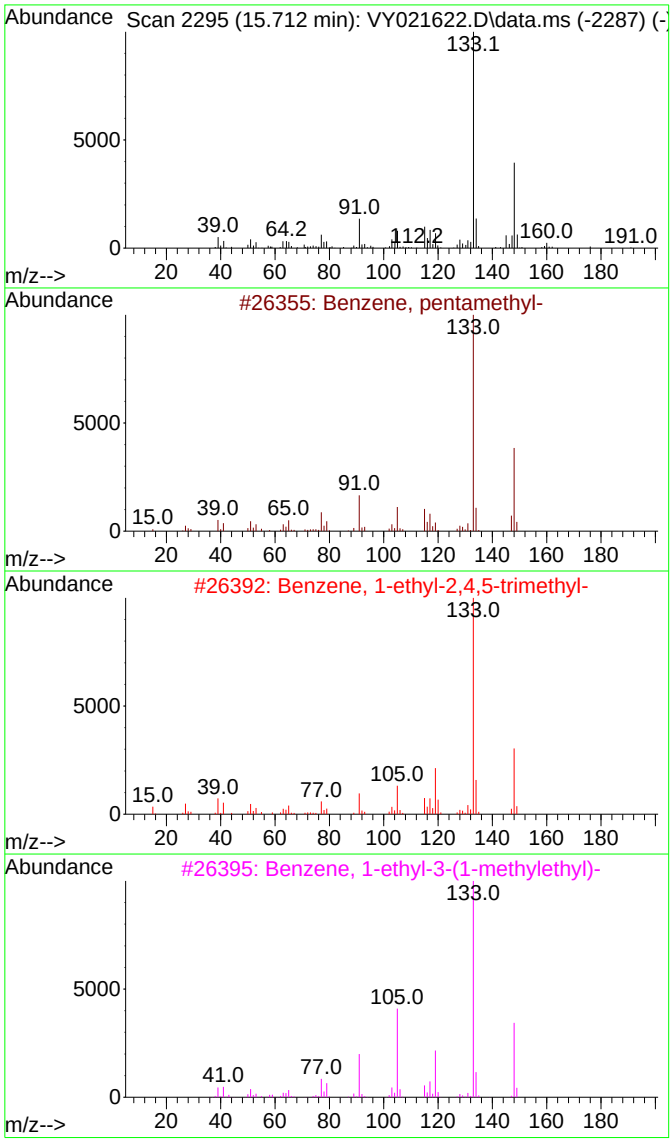
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

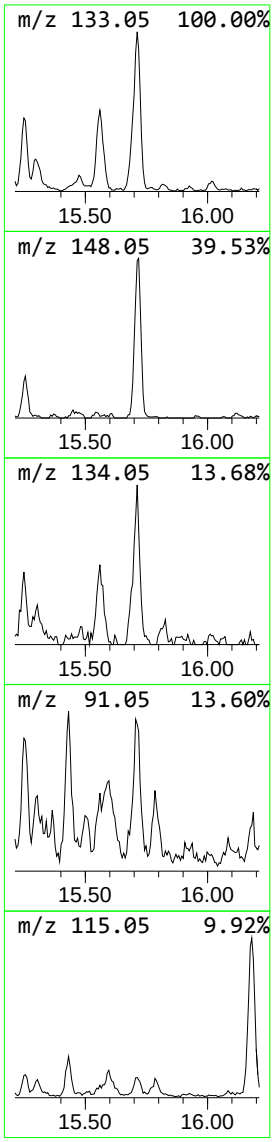
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Benzene, pentamethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.712	8.48 ug/l	147081	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, pentamethyl-	148	C11H16	000700-12-9	94
2	Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	90
3	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	87
4	1,5,6,7-Tetramethylbicyclo[3.2.0...	148	C11H16	134329-46-7	86
5	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032425\
Data File : VY021622.D
Acq On : 24 Mar 2025 16:48
Operator : SY/MD
Sample : Q1633-01
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ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SLG

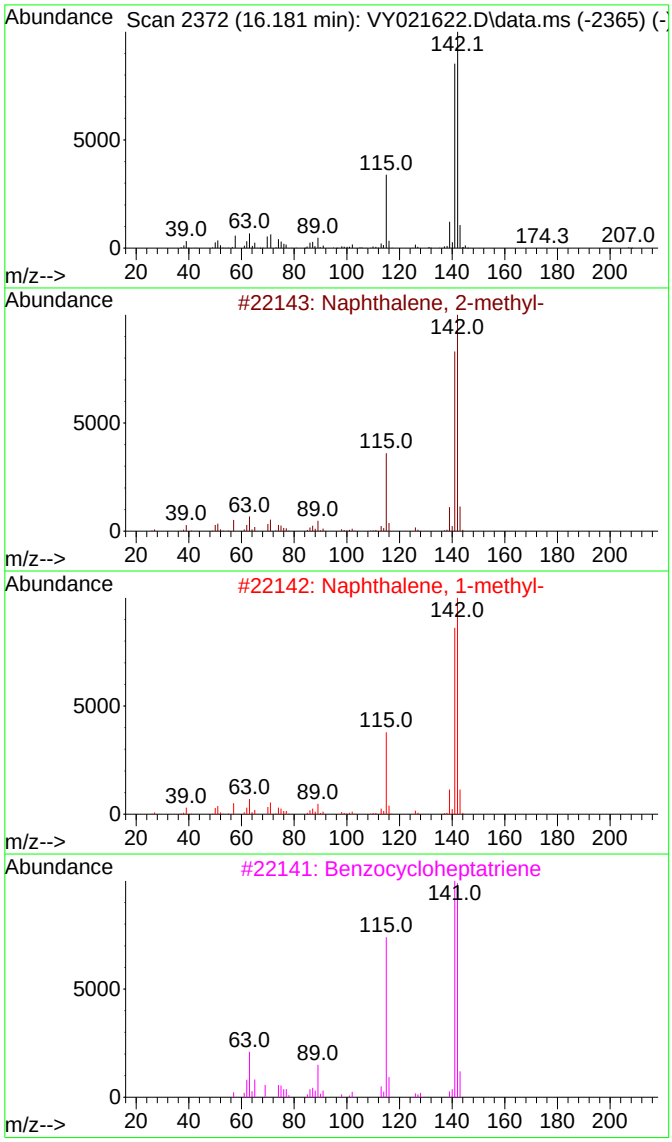
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

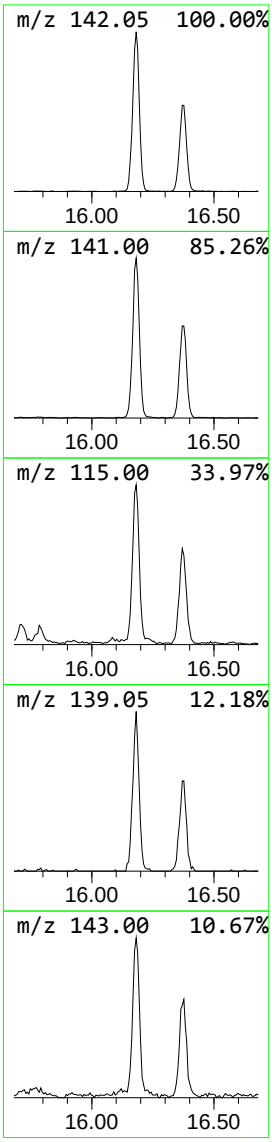
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Naphthalene, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.181	21.70 ug/l	376442	1,4-Dichlorobenzene-d4	13.346

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	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
5	1-Naphthaleneacetamide	185	C12H11NO	000086-86-2	59





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Instrument :
MSVOA_Y
ClientSampleId :
SLG

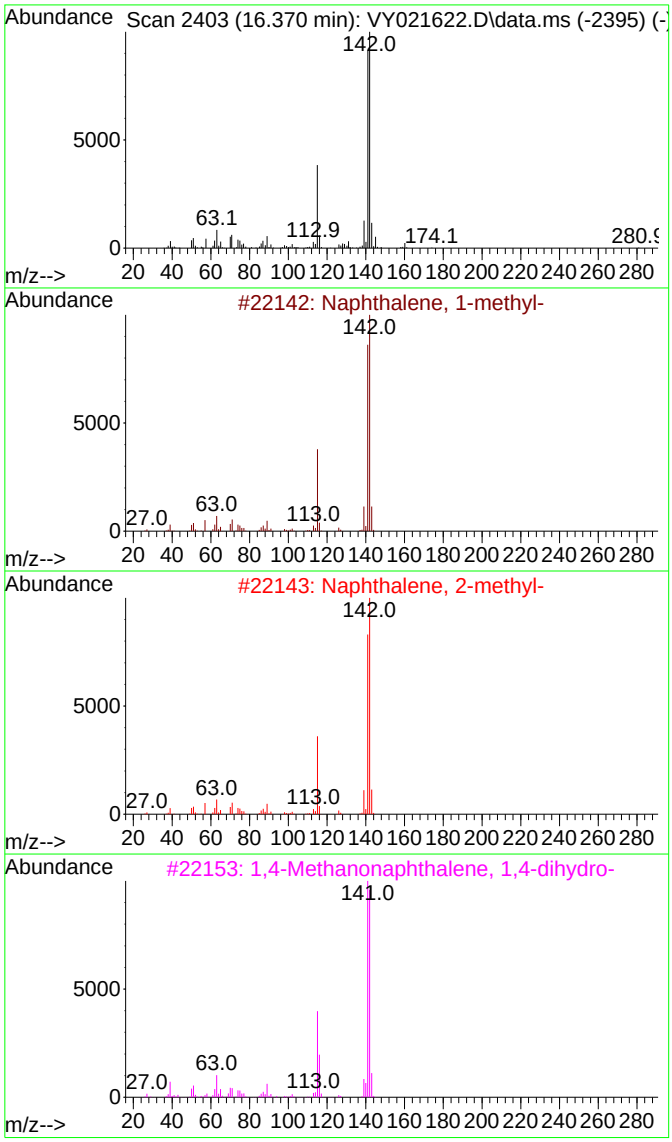
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

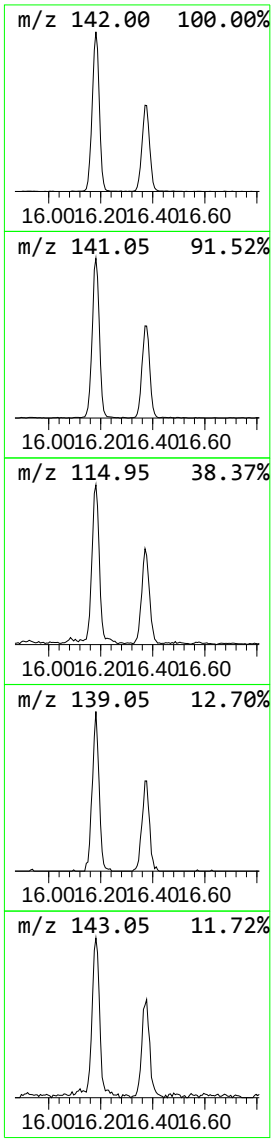
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Naphthalene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.370	15.84 ug/l	274705	1,4-Dichlorobenzene-d4	13.346

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	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	94
5	Benzocycloheptatriene	142	C11H10	000264-09-5	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032425\
Data File : VY021622.D
Acq On : 24 Mar 2025 16:48
Operator : SY/MD
Sample : Q1633-01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SLG

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.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	12.261	5.8	ug/l	127474	3	11.414	1101820	50.0
unknown15.255	15.255	5.6	ug/l	96735	4	13.346	867354	50.0
Benzene, 2-ethe...	15.431	11.2	ug/l	193485	4	13.346	867354	50.0
Benzene, (3-met...	15.590	7.8	ug/l	135478	4	13.346	867354	50.0
Benzene, pentam...	15.712	8.5	ug/l	147081	4	13.346	867354	50.0
Naphthalene, 2-...	16.181	21.7	ug/l	376442	4	13.346	867354	50.0
Naphthalene, 1-...	16.370	15.8	ug/l	274705	4	13.346	867354	50.0