LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081823\
Data File : VY015201.D
Acq On : 18 Aug 2023 17:23
Operator : SY/MD
Sample : 04086-13
Misc : 5.00g/5.2mL/MSVOA_Y/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-PP17A

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\82Y081423S.M
Title : SW846 8260

Signal : TIC: VY015201.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.241	60	69	76	rBV	25011	42213	1.22%	0.229%
2	2.894	168	176	192	rBV	53611	120643	3.47%	0.654%
3	3.241	225	233	247	rVB2	45807	115536	3.33%	0.626%
4	4.704	461	473	508	rBV4	58081	317680	9.15%	1.723%
5	5.229	545	559	575	rBV2	19917	72370	2.08%	0.392%
6	5.741	630	643	657	rBV	35695	110828	3.19%	0.601%
7	6.783	805	814	824	rVB2	19746	58696	1.69%	0.318%
8	6.978	834	846	860	rBV	54570	170485	4.91%	0.924%
9	7.710	957	966	971	rBV	137164	324143	9.34%	1.758%
10	7.783	971	978	986	rVV	244660	593884	17.11%	3.220%
11	7.862	986	991	1004	rVB2	16786	43916	1.26%	0.238%
12	7.996	1004	1013	1021	rBV	37779	88583	2.55%	0.480%
13	8.137	1025	1036	1050	rVB2	152427	356144	10.26%	1.931%
14	8.319	1060	1066	1076	rVB	31720	87275	2.51%	0.473%
15	8.545	1094	1103	1113	rVB	31837	67213	1.94%	0.364%
16	8.685	1117	1126	1141	rBV	363976	732492	21.10%	3.972%
17	9.179	1194	1207	1212	rBV4	28782	72661	2.09%	0.394%
18	9.612	1271	1278	1289	rBV2	28863	58541	1.69%	0.317%
19	9.746	1289	1300	1306	rVV3	39254	96453	2.78%	0.523%
20	9.819	1306	1312	1315	rVV	28153	52434	1.51%	0.284%
21	9.959	1324	1335	1346	rBV	35294	83401	2.40%	0.452%
22	10.179	1364	1371	1375	rBV	558053	969110	27.91%	5.255%
23	10.240	1375	1381	1394	rVV	2079856	3471946	100.00%	18.827%
24	10.368	1394	1402	1408	rVB3	29730	56799	1.64%	0.308%
25	10.575	1429	1436	1444	rBV2	43889	89845	2.59%	0.487%
26	10.941	1492	1496	1504	rVB2	20475	35830	1.03%	0.194%
27	11.276	1542	1551	1556	rBV2	24218	50117	1.44%	0.272%
28	11.490	1578	1586	1596	rBV	566497	914766	26.35%	4.960%
29	11.593	1596	1603	1612	rVB	242558	390829	11.26%	2.119%
30	11.697	1612	1620	1631	rBV	657472	1167002	33.61%	6.328%
31	12.026	1666	1674	1684	rBV	318338	489372	14.10%	2.654%
32	12.331	1718	1724	1729	rBV	28766	49509	1.43%	0.268%
33	12.483	1739	1749	1760	rVB	474616	821920	23.67%	4.457%
34	12.666	1774	1779	1784	rBV	92324	141913	4.09%	0.770%
35	12.733	1784	1790	1793	rVV	320769	486364	14.01%	2.637%
36	12.764	1793	1795	1799	rVV	140964	192742	5.55%	1.045%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081823\
Data File : VY015201.D
Acq On : 18 Aug 2023 17:23
Operator : SY/MD
Sample : 04086-13
Misc : 5.00g/5.2mL/MSVOA_Y/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-PP17A

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\82Y081423S.M
Title : SW846 8260

37	12.813	1799	1803	1814	rVB	175525	273100	7.87%	1.481%
38	12.971	1822	1829	1837	rBV	139729	220082	6.34%	1.193%
39	13.117	1846	1853	1859	rBV	669814	969043	27.91%	5.255%
40	13.233	1867	1872	1879	rBV3	13741	37642	1.08%	0.204%
41	13.422	1897	1903	1907	rBV	634068	1022293	29.44%	5.543%
42	13.593	1925	1931	1932	rBV	42093	55908	1.61%	0.303%
43	13.623	1932	1936	1939	rVV2	156627	244293	7.04%	1.325%
44	13.666	1939	1943	1953	rVB3	139177	276496	7.96%	1.499%
45	13.818	1963	1968	1974	rVB	45193	71316	2.05%	0.387%
46	13.885	1974	1979	1981	rBV	75947	116815	3.36%	0.633%
47	13.916	1981	1984	1988	rVV	74134	105563	3.04%	0.572%
48	13.971	1988	1993	1999	rVB	147758	218894	6.30%	1.187%
49	14.081	2006	2011	2015	rVB3	46028	71750	2.07%	0.389%
50	14.209	2027	2032	2037	rBV	34135	54322	1.56%	0.295%
51	14.294	2038	2046	2049	rVV	77483	129720	3.74%	0.703%
52	14.331	2049	2052	2057	rVV	112482	167663	4.83%	0.909%
53	14.379	2057	2060	2064	rVV	37358	53238	1.53%	0.289%
54	14.562	2086	2090	2095	rVV2	50866	87291	2.51%	0.473%
55	14.611	2095	2098	2103	rVB2	42983	58381	1.68%	0.317%
56	14.672	2103	2108	2115	rBV3	96431	221839	6.39%	1.203%
57	14.739	2115	2119	2125	rVB	33186	50804	1.46%	0.275%
58	14.946	2148	2153	2165	rVB3	46470	112348	3.24%	0.609%
59	15.050	2165	2170	2179	rVB3	28459	57069	1.64%	0.309%
60	15.233	2189	2200	2207	rBV	136910	246750	7.11%	1.338%
61	15.318	2207	2214	2216	rBV	19043	37667	1.08%	0.204%
62	15.525	2242	2248	2255	rBV	22987	46968	1.35%	0.255%
63	15.690	2265	2275	2285	rBV5	13212	51861	1.49%	0.281%
64	16.294	2367	2374	2381	rBV	128436	250185	7.21%	1.357%
65	16.489	2398	2406	2416	rBV	65131	138636	3.99%	0.752%

Sum of corrected areas: 18441592

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081823\
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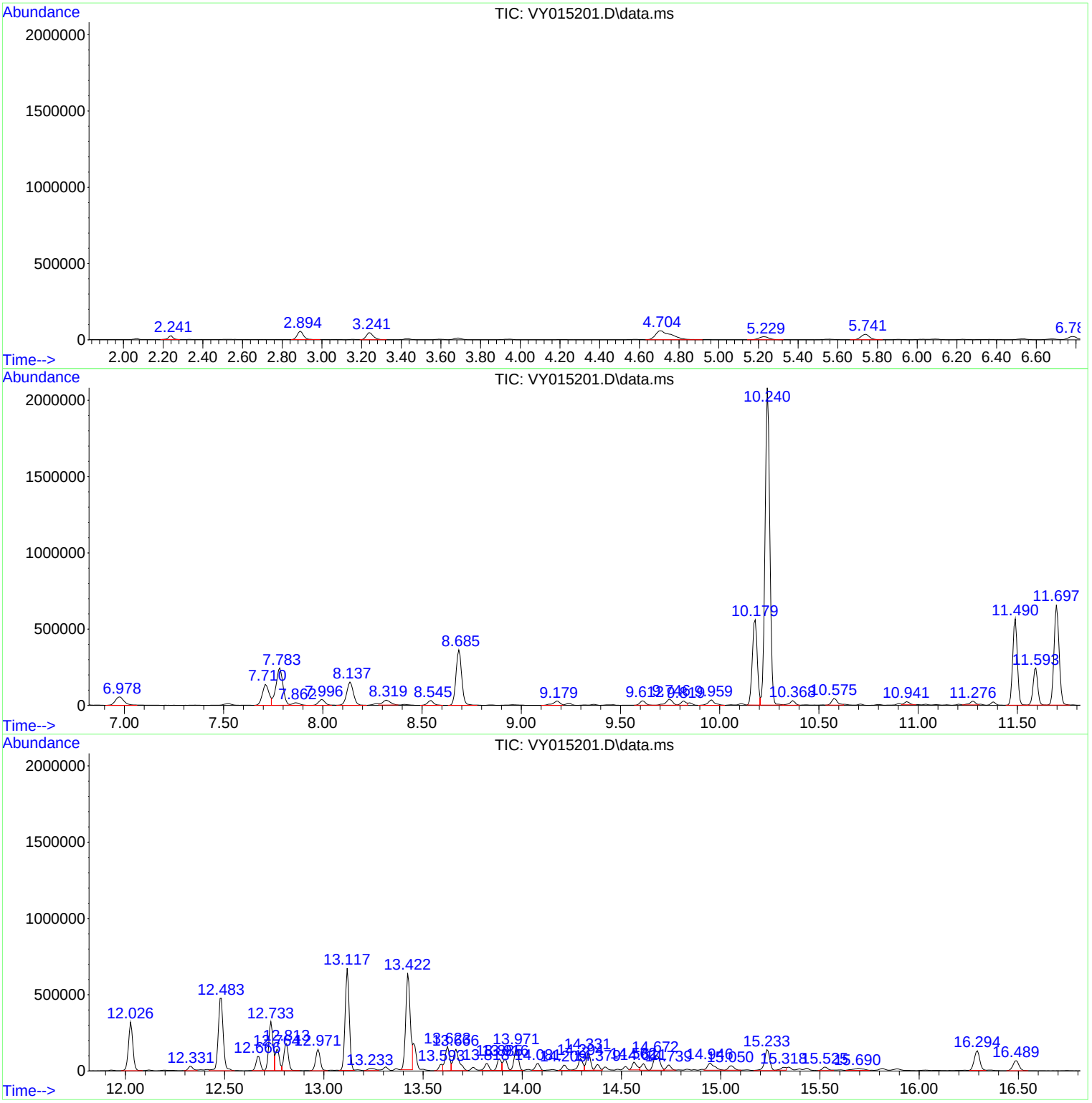
Misc : 5.00g/5.2mL/MSVOA_Y/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-PP17A

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081823\
Data File : VY015201.D
Acq On : 18 Aug 2023 17:23
Operator : SY/MD
Sample : 04086-13
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ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-PP17A

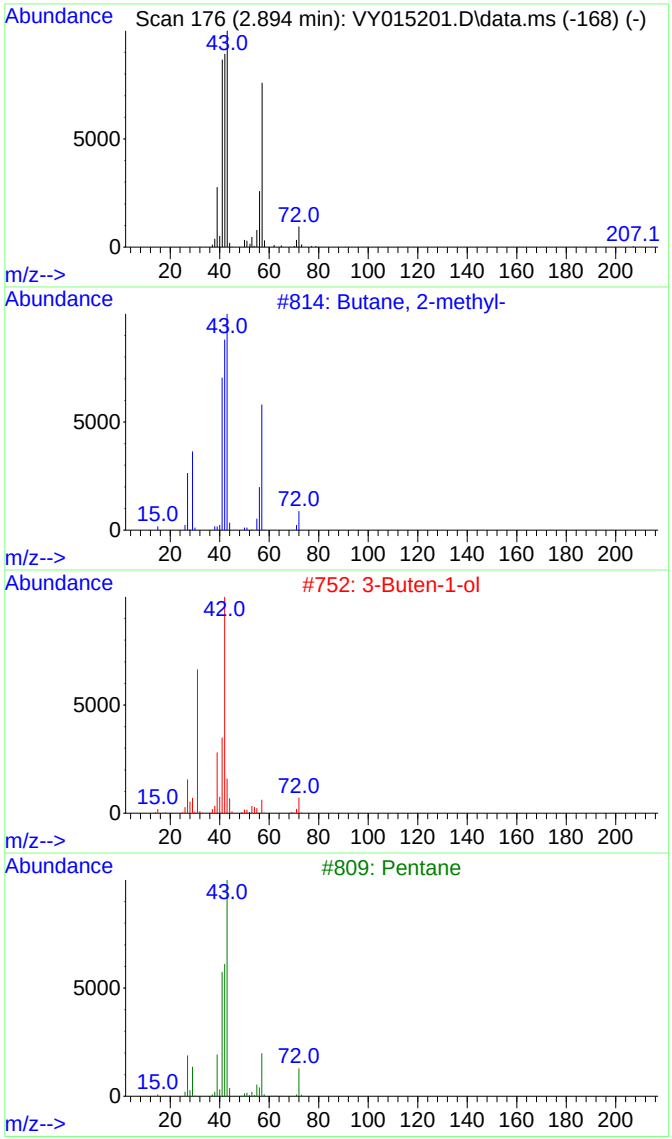
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
Quant Title : SW846 8260

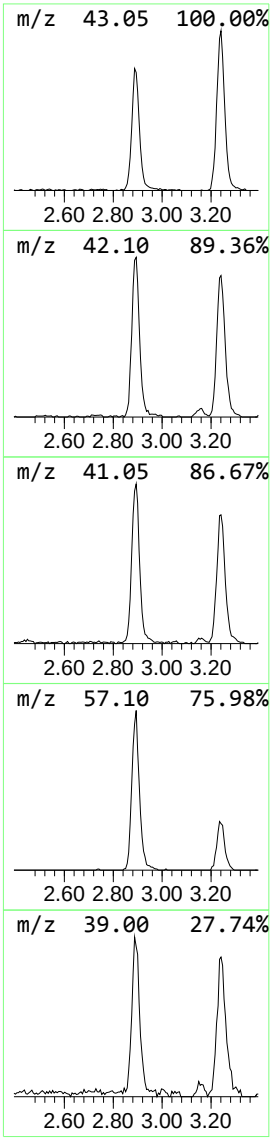
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Butane, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.894	10.16 ug/l	120643	Pentafluorobenzene	7.783

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	90
2	3-Buten-1-ol	72	C4H8O	000627-27-0	38
3	Pentane	72	C5H12	000109-66-0	33
4	1-Butene	56	C4H8	000106-98-9	14
5	1,1-Diisobutoxy-butane	202	C12H26O2	013002-16-9	12





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081823\
Data File : VY015201.D
Acq On : 18 Aug 2023 17:23
Operator : SY/MD
Sample : 04086-13
Misc : 5.00g/5.2mL/MSVOA_Y/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-PP17A

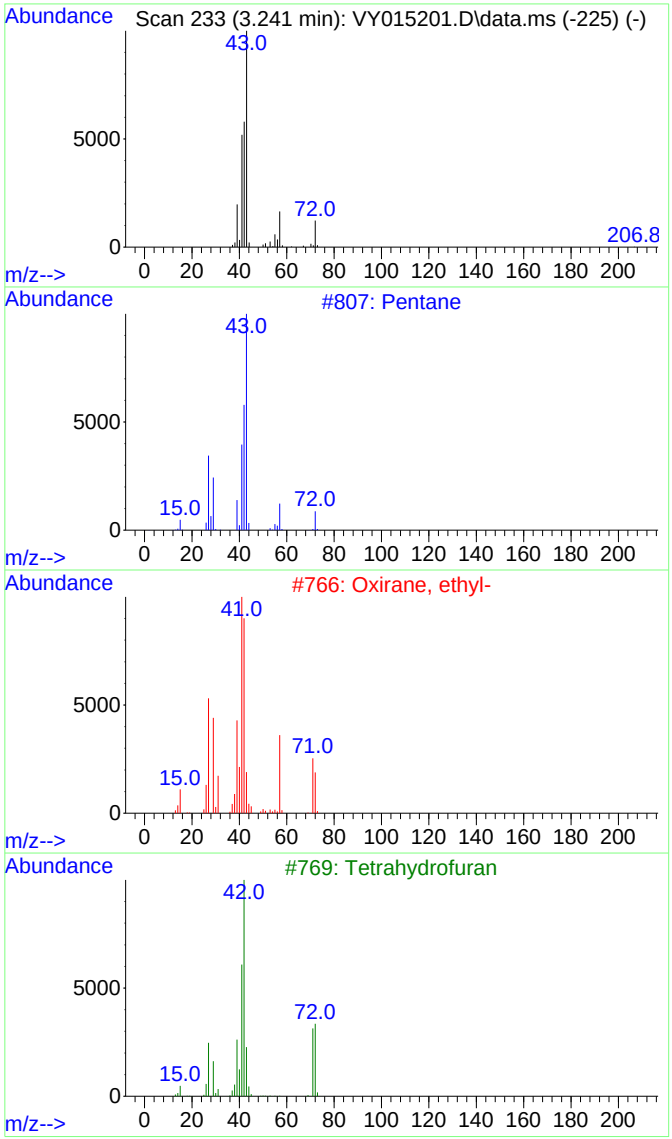
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
Quant Title : SW846 8260

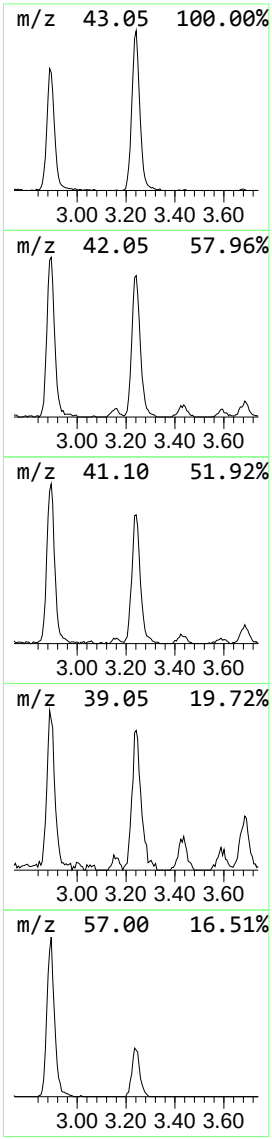
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Pentane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.241	9.73 ug/l	115536	Pentafluorobenzene	7.783

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	90
2	Oxirane, ethyl-	72	C4H8O	000106-88-7	50
3	Tetrahydrofuran	72	C4H8O	000109-99-9	9
4	1-Propene, 2-methoxy-	72	C4H8O	000116-11-0	9
5	Diaziridine,3,3-dimethyl-	72	C3H8N2	004901-76-2	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081823\
Data File : VY015201.D
Acq On : 18 Aug 2023 17:23
Operator : SY/MD
Sample : 04086-13
Misc : 5.00g/5.2mL/MSVOA_Y/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-PP17A

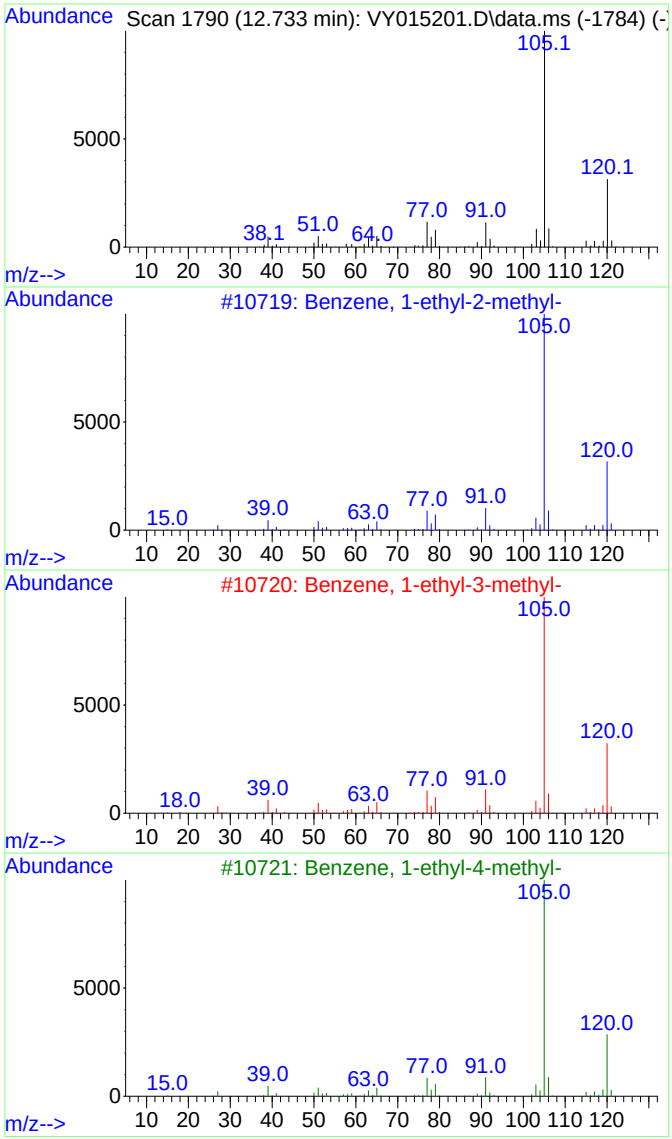
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
Quant Title : SW846 8260

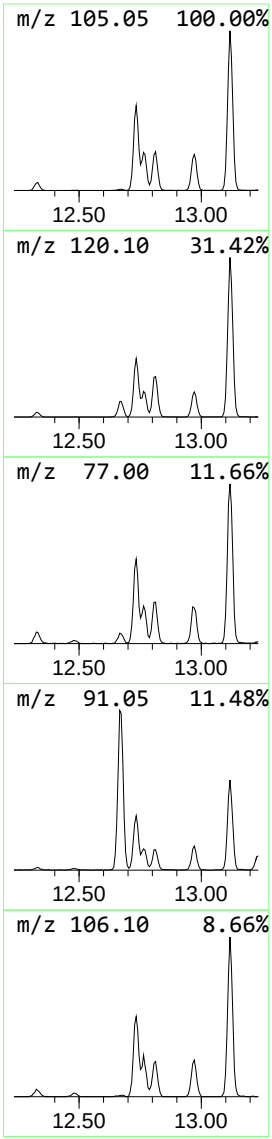
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.733	23.79 ug/l	486364	1,4-Dichlorobenzene-d4	13.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Mesitylene	120	C9H12	000108-67-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081823\
Data File : VY015201.D
Acq On : 18 Aug 2023 17:23
Operator : SY/MD
Sample : 04086-13
Misc : 5.00g/5.2mL/MSVOA_Y/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-PP17A

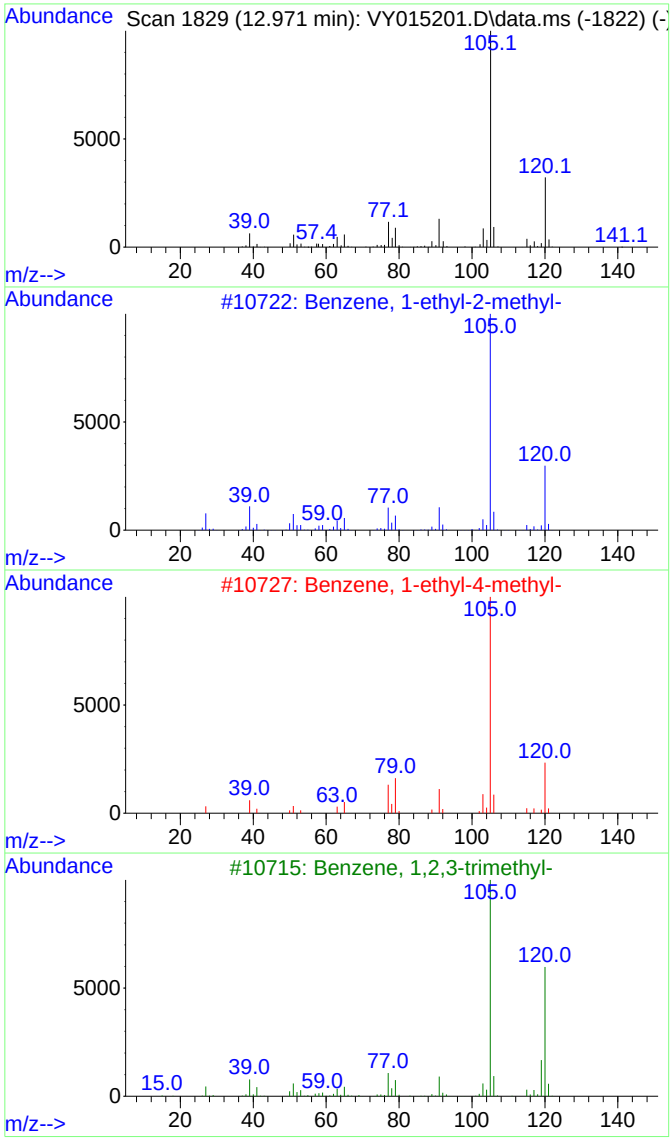
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
Quant Title : SW846 8260

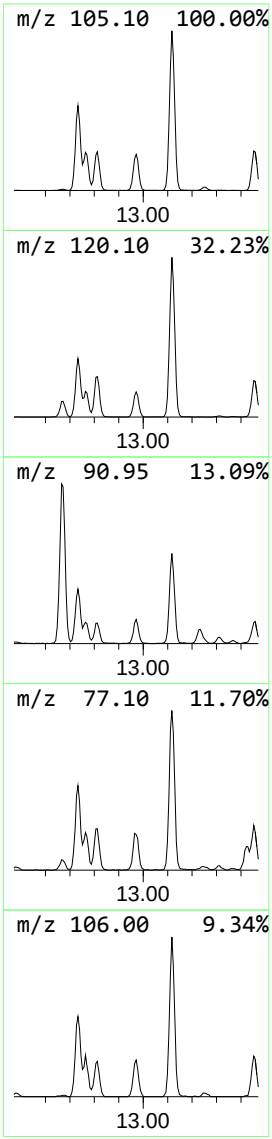
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Benzene, 1-ethyl-4-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.971	10.76 ug/l	220082	1,4-Dichlorobenzene-d4	13.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90
5	Mesitylene	120	C9H12	000108-67-8	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081823\
Data File : VY015201.D
Acq On : 18 Aug 2023 17:23
Operator : SY/MD
Sample : 04086-13
Misc : 5.00g/5.2mL/MSVOA_Y/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-PP17A

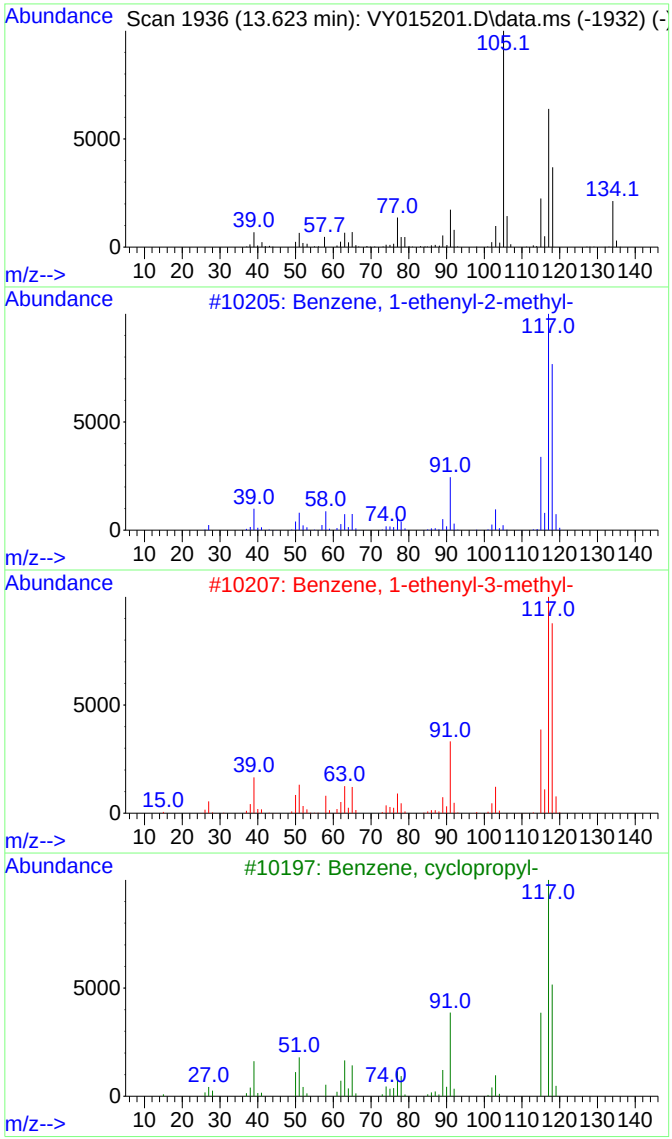
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
Quant Title : SW846 8260

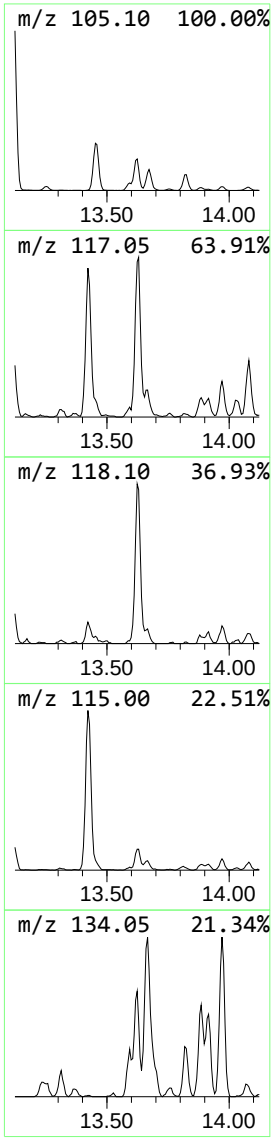
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 unknown13.623 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.623	11.95 ug/l	244293	1,4-Dichlorobenzene-d4	13.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	46
2	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	46
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	45
4	Benzene, 1-propenyl-	118	C9H10	000637-50-3	45
5	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	45





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ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-PP17A

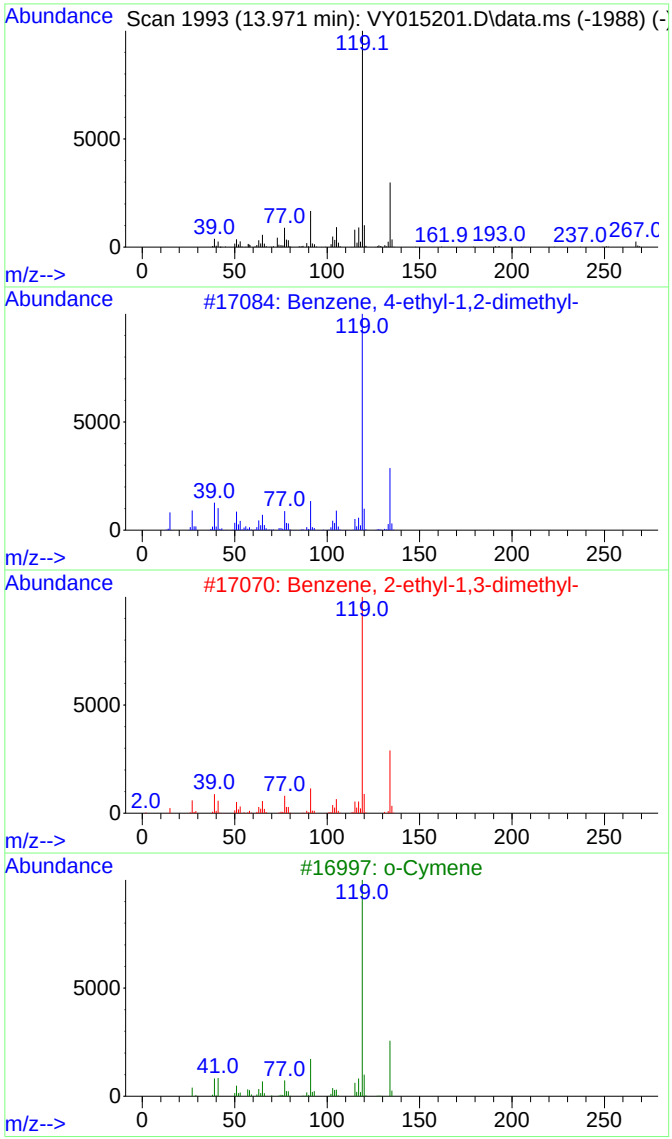
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
Quant Title : SW846 8260

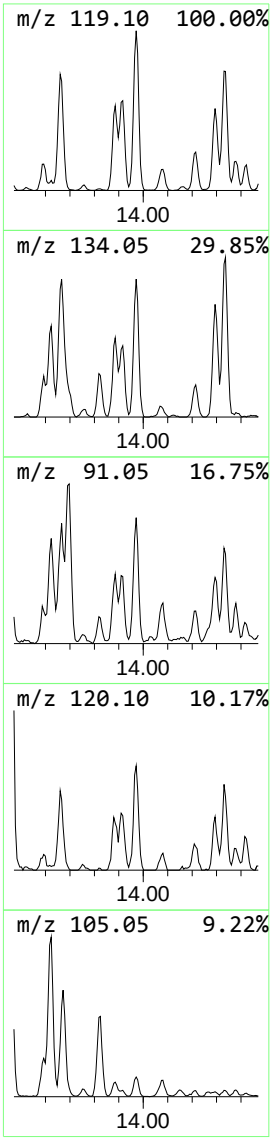
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.971	10.71 ug/l	218894	1,4-Dichlorobenzene-d4	13.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081823\
Data File : VY015201.D
Acq On : 18 Aug 2023 17:23
Operator : SY/MD
Sample : 04086-13
Misc : 5.00g/5.2mL/MSVOA_Y/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-PP17A

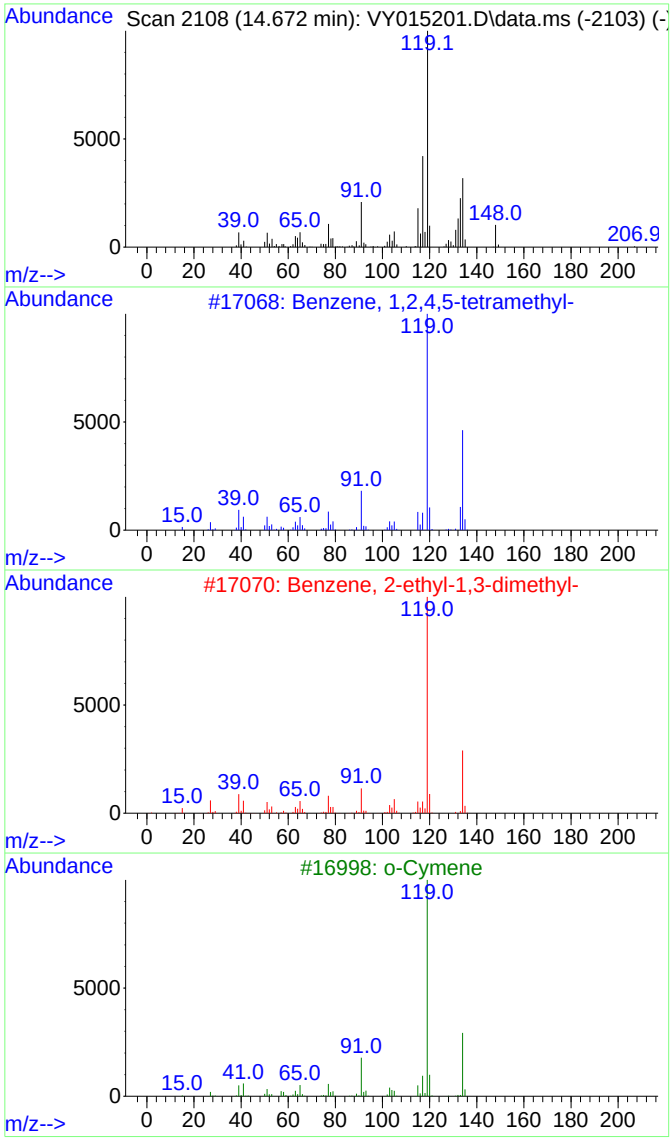
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
Quant Title : SW846 8260

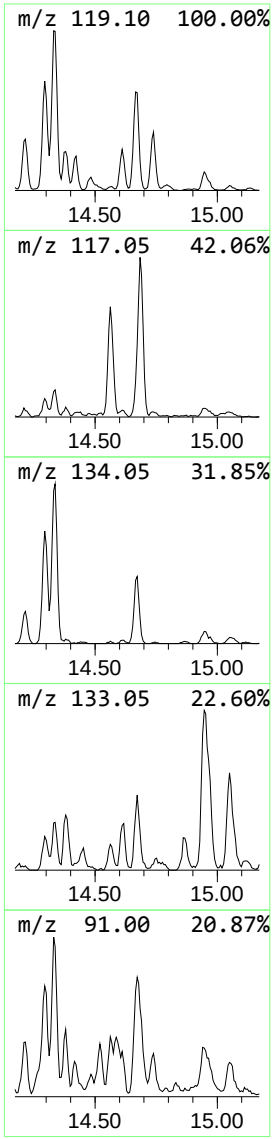
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.672	10.85 ug/l	221839	1,4-Dichlorobenzene-d4	13.422

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	60
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	60
3	o-Cymene	134	C10H14	000527-84-4	60
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	60
5	p-Cymene	134	C10H14	000099-87-6	60





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081823\
Data File : VY015201.D
Acq On : 18 Aug 2023 17:23
Operator : SY/MD
Sample : 04086-13
Misc : 5.00g/5.2mL/MSVOA_Y/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-PP17A

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.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
Butane, 2-methyl-	2.894	10.2	ug/l	120643	1	7.783	593884	50.0
Pentane	3.241	9.7	ug/l	115536	1	7.783	593884	50.0
Benzene, 1-ethy...	12.733	23.8	ug/l	486364	4	13.422	1022290	50.0
Benzene, 1-ethy...	12.971	10.8	ug/l	220082	4	13.422	1022290	50.0
unknown13.623	13.623	11.9	ug/l	244293	4	13.422	1022290	50.0
Benzene, 4-ethy...	13.971	10.7	ug/l	218894	4	13.422	1022290	50.0
Benzene, 1,2,4,...	14.672	10.9	ug/l	221839	4	13.422	1022290	50.0