LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081823\
Data File : VY015204.D
Acq On : 18 Aug 2023 18:34
Operator : SY/MD
Sample : 04086-16
Misc : 5.02g/5.2mL/MSVOA_Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-PP18B

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: VY015204.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.247	227	234	243	rBV5	1024	2582	1.38%	0.152%
2	4.704	463	473	483	rBV4	2835	9376	5.03%	0.551%
3	5.747	637	644	655	rBV6	1388	4082	2.19%	0.240%
4	6.966	835	844	856	rBV2	5710	16645	8.92%	0.978%
5	7.716	958	967	972	rBV2	7983	18891	10.13%	1.110%
6	7.783	972	978	987	rVB	18105	41796	22.40%	2.456%
7	7.996	1008	1013	1019	rVB5	1201	2466	1.32%	0.145%
8	8.136	1025	1036	1048	rVB3	8651	20060	10.75%	1.179%
9	8.319	1060	1066	1074	rVB4	1633	3627	1.94%	0.213%
10	8.685	1116	1126	1135	rBV2	25354	52292	28.03%	3.073%
11	9.618	1272	1279	1284	rBV5	1535	3205	1.72%	0.188%
12	9.746	1294	1300	1306	rBV4	2383	4717	2.53%	0.277%
13	9.953	1329	1334	1341	rBV5	1378	3379	1.81%	0.199%
14	10.179	1364	1371	1377	rBV	39531	67926	36.41%	3.992%
15	10.246	1377	1382	1390	rVB	21616	35222	18.88%	2.070%
16	10.581	1430	1437	1443	rBV2	1592	2527	1.35%	0.149%
17	11.276	1548	1551	1556	rVB5	2163	3713	1.99%	0.218%
18	11.380	1563	1568	1577	rVB5	2228	3753	2.01%	0.221%
19	11.490	1580	1586	1596	rBV2	34545	57143	30.63%	3.358%
20	11.593	1596	1603	1608	rBV	9597	14536	7.79%	0.854%
21	11.697	1614	1620	1630	rVB2	33949	62943	33.74%	3.699%
22	12.026	1666	1674	1682	rBV2	23684	40410	21.66%	2.375%
23	12.331	1720	1724	1727	rBV3	3057	4796	2.57%	0.282%
24	12.483	1744	1749	1760	rVB2	31393	56080	30.06%	3.296%
25	12.672	1774	1780	1785	rBV	12313	18856	10.11%	1.108%
26	12.733	1785	1790	1794	rVV	48173	77337	41.46%	4.545%
27	12.770	1794	1796	1799	rVV	19286	23523	12.61%	1.382%
28	12.812	1799	1803	1811	rVB	31847	50782	27.22%	2.984%
29	12.971	1816	1829	1838	rVB	29790	50335	26.98%	2.958%
30	13.117	1847	1853	1859	rBV	125829	186548	100.00%	10.963%
31	13.245	1868	1874	1878	rBV4	3120	7672	4.11%	0.451%
32	13.312	1882	1885	1890	rVB	6181	7886	4.23%	0.463%
33	13.367	1890	1894	1898	rBV5	2583	4101	2.20%	0.241%
34	13.428	1898	1904	1906	rBV	34669	56131	30.09%	3.299%
35	13.453	1906	1908	1914	rVV	39304	57629	30.89%	3.387%
36	13.495	1914	1915	1922	rVB6	2349	3452	1.85%	0.203%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081823\
Data File : VY015204.D
Acq On : 18 Aug 2023 18:34
Operator : SY/MD
Sample : 04086-16
Misc : 5.02g/5.2mL/MSVOA_Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-PP18B

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	13.593	1926	1931	1932	rBV2	9259	11733	6.29%	0.690%
38	13.623	1932	1936	1940	rVV2	32641	55775	29.90%	3.278%
39	13.666	1940	1943	1953	rVB3	32263	60721	32.55%	3.568%
40	13.751	1953	1957	1962	rBV4	4866	7083	3.80%	0.416%
41	13.824	1964	1969	1974	rVB	11182	16809	9.01%	0.988%
42	13.885	1974	1979	1981	rBV2	20247	28686	15.38%	1.686%
43	13.916	1981	1984	1989	rVV	18931	25512	13.68%	1.499%
44	13.971	1989	1993	1999	rVB	33233	46731	25.05%	2.746%
45	14.081	2005	2011	2016	rVB3	12082	19805	10.62%	1.164%
46	14.148	2020	2022	2027	rVB5	1848	2966	1.59%	0.174%
47	14.215	2027	2033	2038	rBV2	8782	14740	7.90%	0.866%
48	14.294	2039	2046	2049	rVV	20394	31460	16.86%	1.849%
49	14.330	2049	2052	2057	rVV	27589	42908	23.00%	2.522%
50	14.379	2057	2060	2064	rVV	9582	13426	7.20%	0.789%
51	14.422	2064	2067	2073	rVB	5778	7206	3.86%	0.423%
52	14.519	2079	2083	2087	rBV2	3802	4848	2.60%	0.285%
53	14.562	2087	2090	2095	rVV2	10974	18113	9.71%	1.064%
54	14.611	2095	2098	2103	rVB3	8463	12347	6.62%	0.726%
55	14.678	2103	2109	2115	rBV3	24502	55390	29.69%	3.255%
56	14.739	2115	2119	2124	rVB2	7479	9806	5.26%	0.576%
57	14.836	2130	2135	2138	rBV5	1656	2400	1.29%	0.141%
58	14.946	2143	2153	2163	rVV5	10909	28674	15.37%	1.685%
59	15.056	2165	2171	2178	rVB3	6899	13337	7.15%	0.784%
60	15.239	2190	2201	2207	rBV	21750	39305	21.07%	2.310%
61	15.318	2209	2214	2216	rVV	2861	4768	2.56%	0.280%
62	15.342	2216	2218	2222	rVV3	4352	5549	2.97%	0.326%
63	15.397	2223	2227	2230	rVV4	2226	3598	1.93%	0.211%
64	15.525	2243	2248	2253	rBV2	4620	7756	4.16%	0.456%
65	15.684	2267	2274	2275	rBV4	1840	2232	1.20%	0.131%
66	15.812	2291	2295	2300	rVB5	1842	3424	1.84%	0.201%
67	15.891	2307	2308	2312	rVB3	2028	2001	1.07%	0.118%
68	16.294	2368	2374	2384	rVB2	7717	15457	8.29%	0.908%
69	16.489	2400	2406	2414	rBV2	5254	10622	5.69%	0.624%

Sum of corrected areas: 1701607

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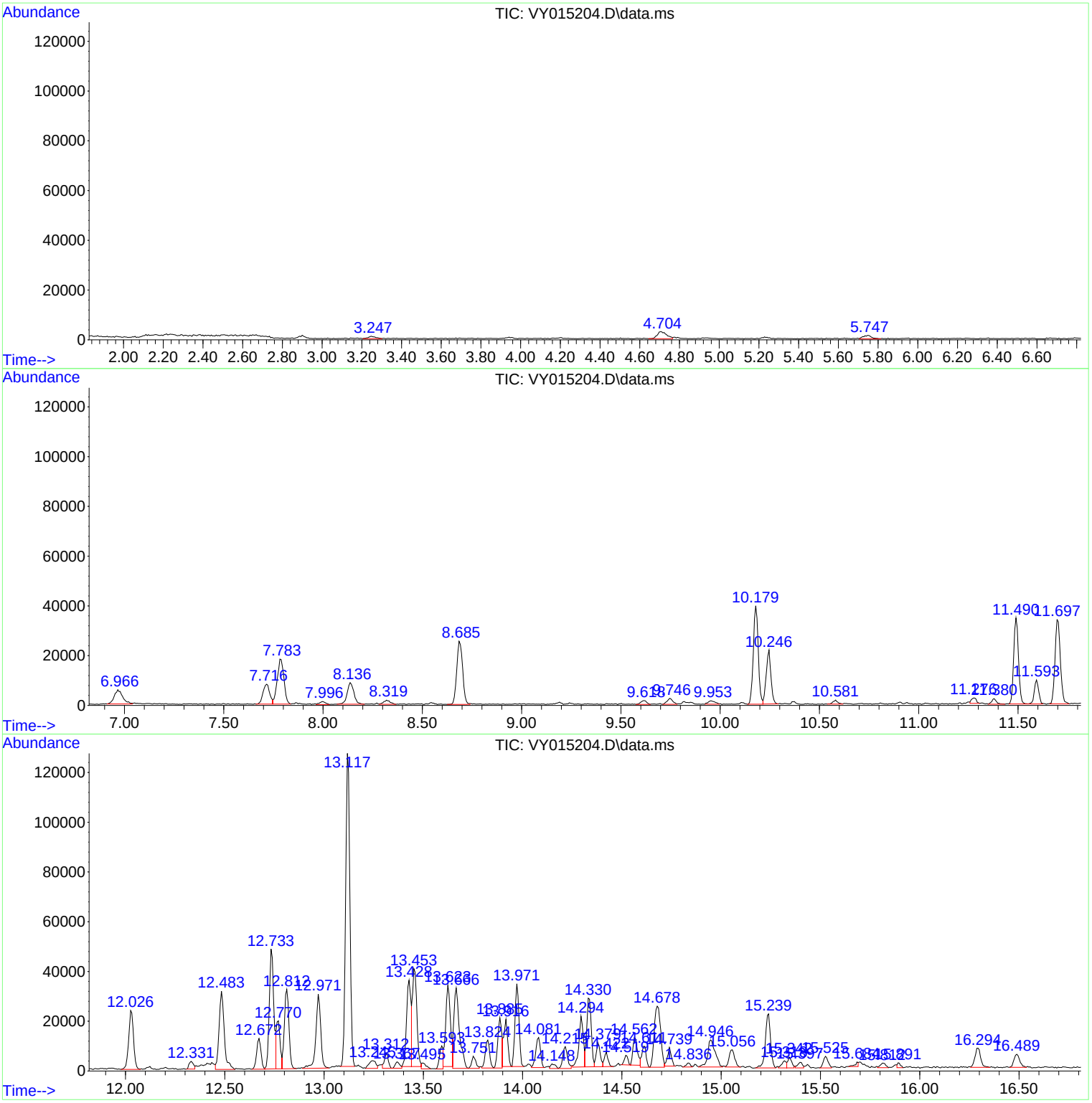
Misc : 5.02g/5.2mL/MSVOA_Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-PP18B

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 : VY015204.D
Acq On : 18 Aug 2023 18:34
Operator : SY/MD
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ALS Vial : 23 Sample Multiplier: 1

Instrument :
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ClientSampleId :
B-PP18B

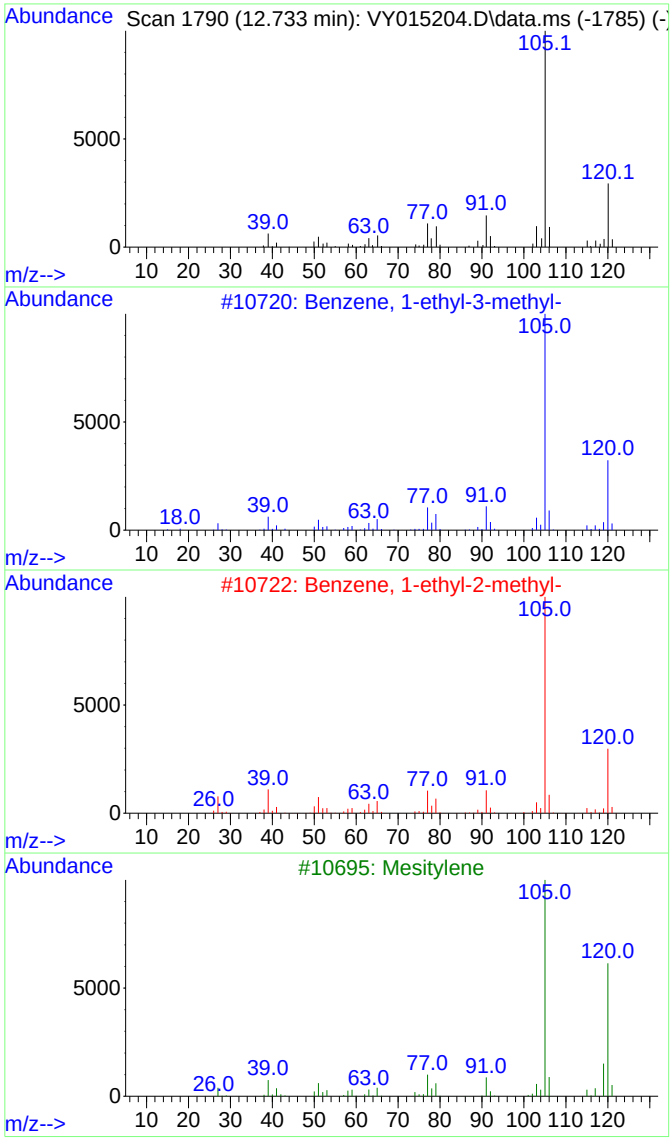
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
Quant Title : SW846 8260

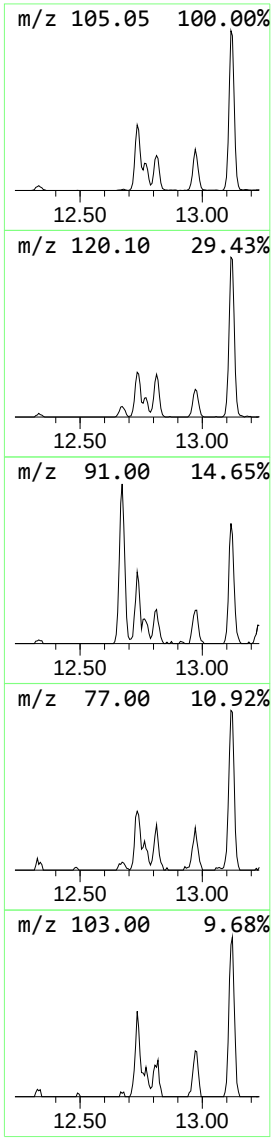
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Benzene, 1-ethyl-3-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.733	68.89 ug/l	77337	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	97
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081823\
Data File : VY015204.D
Acq On : 18 Aug 2023 18:34
Operator : SY/MD
Sample : 04086-16
Misc : 5.02g/5.2mL/MSVOA_Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-PP18B

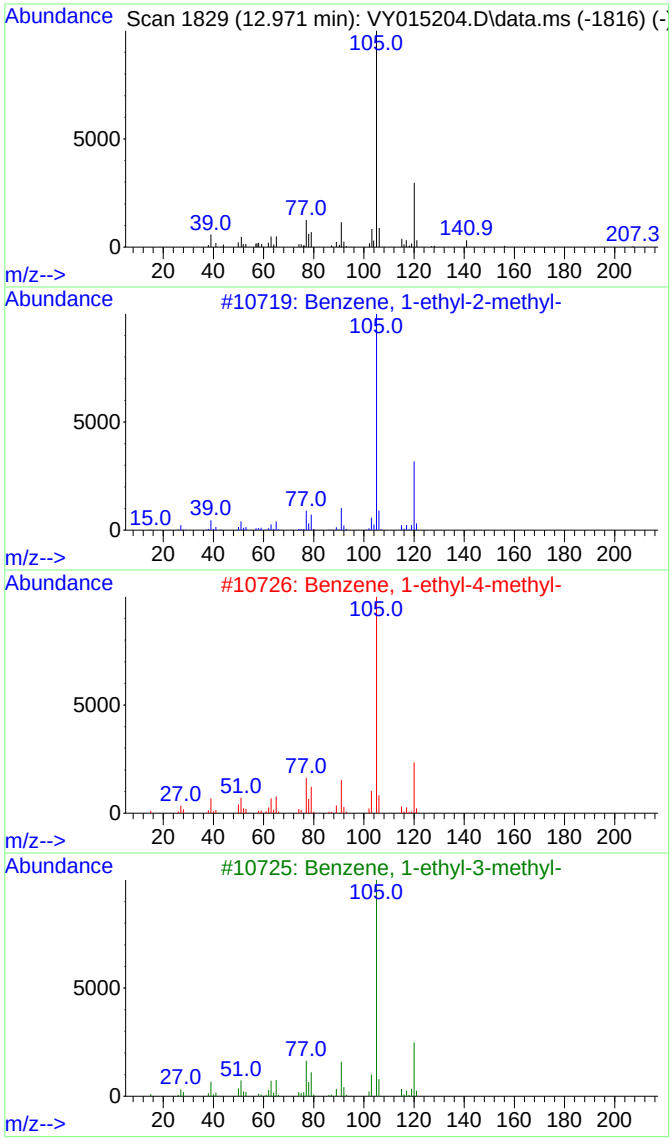
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
Quant Title : SW846 8260

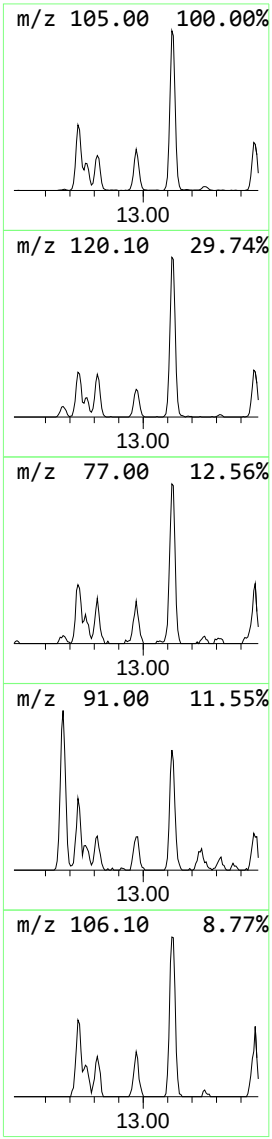
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.971	44.84 ug/l	50335	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	93
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	93
4	Mesitylene	120	C9H12	000108-67-8	90
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081823\
Data File : VY015204.D
Acq On : 18 Aug 2023 18:34
Operator : SY/MD
Sample : 04086-16
Misc : 5.02g/5.2mL/MSVOA_Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-PP18B

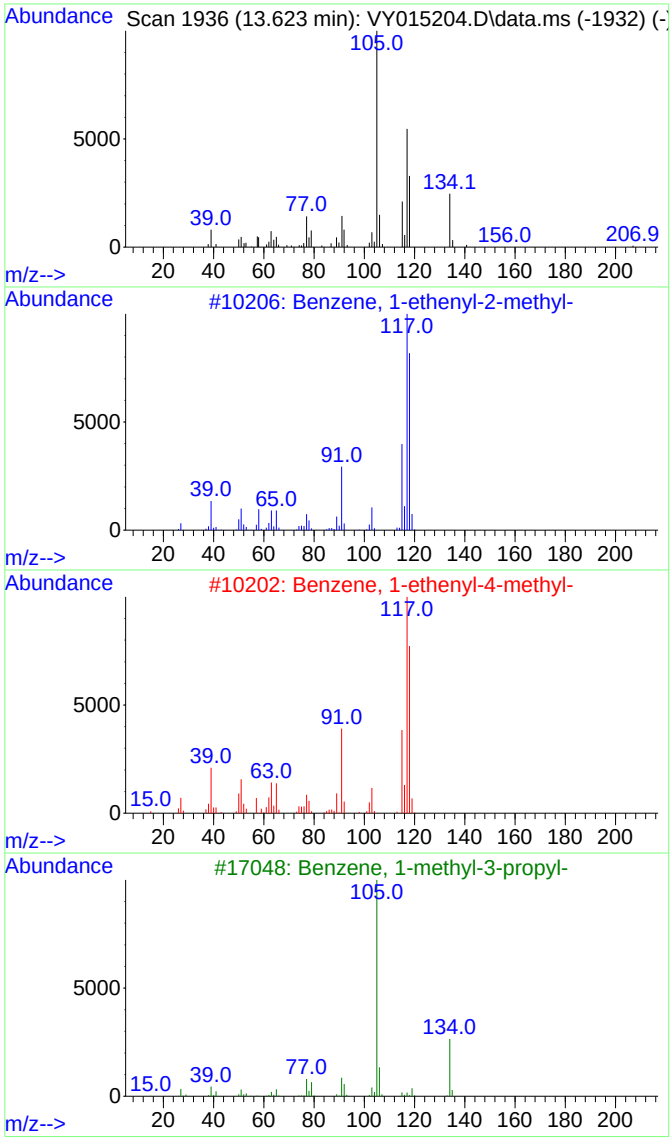
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
Quant Title : SW846 8260

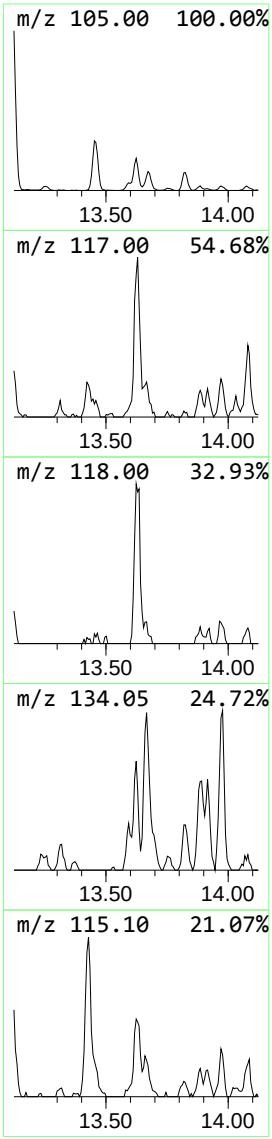
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Benzene, 1-ethenyl-4-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.623	49.68 ug/l	55775	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	50
2	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	50
3	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	46
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	45
5	Indane	118	C9H10	000496-11-7	45





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081823\
Data File : VY015204.D
Acq On : 18 Aug 2023 18:34
Operator : SY/MD
Sample : 04086-16
Misc : 5.02g/5.2mL/MSVOA_Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-PP18B

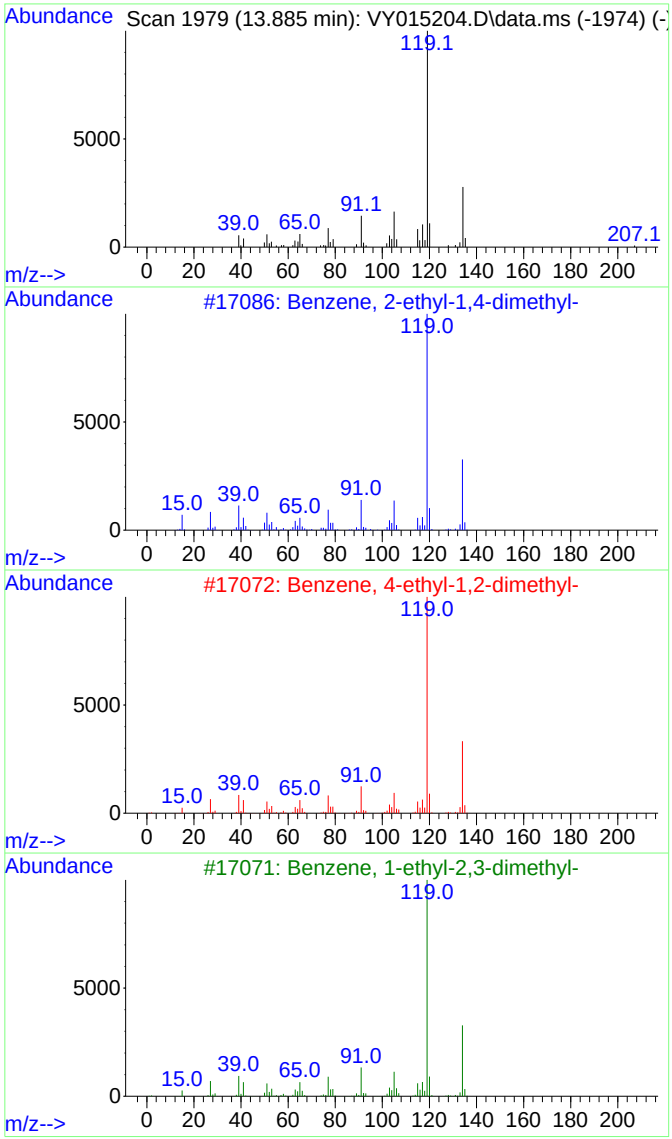
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
Quant Title : SW846 8260

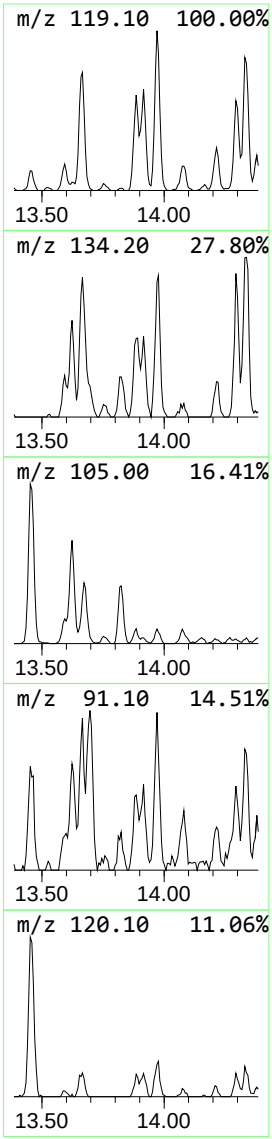
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.885	25.55 ug/l	28686	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	97
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081823\
Data File : VY015204.D
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Sample : 04086-16
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ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-PP18B

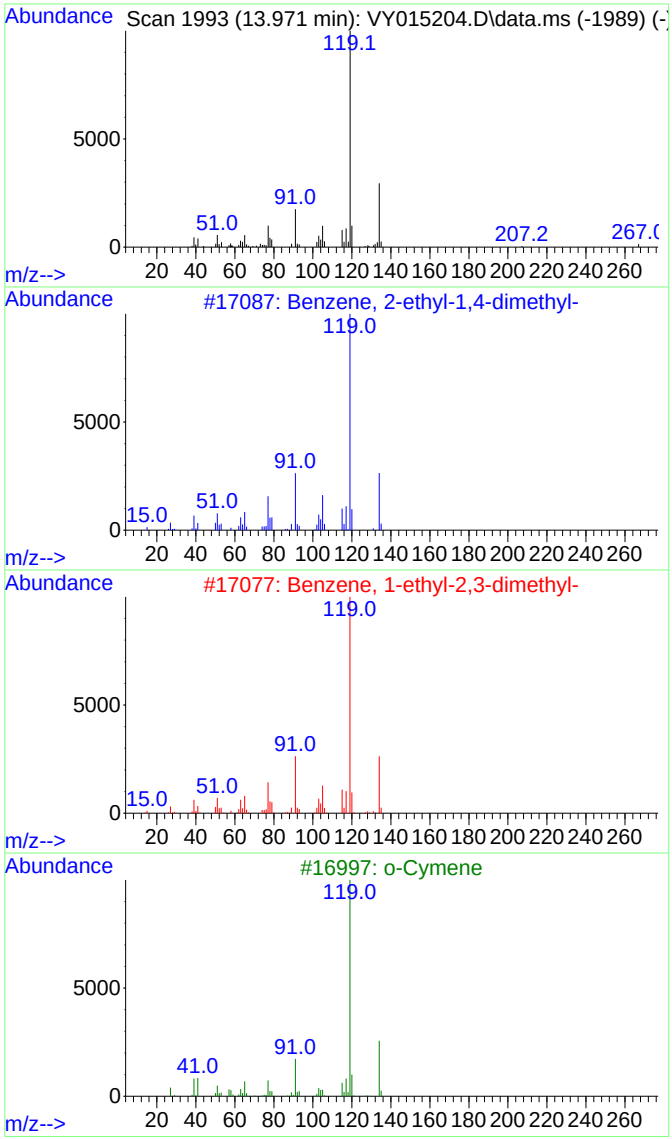
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
Quant Title : SW846 8260

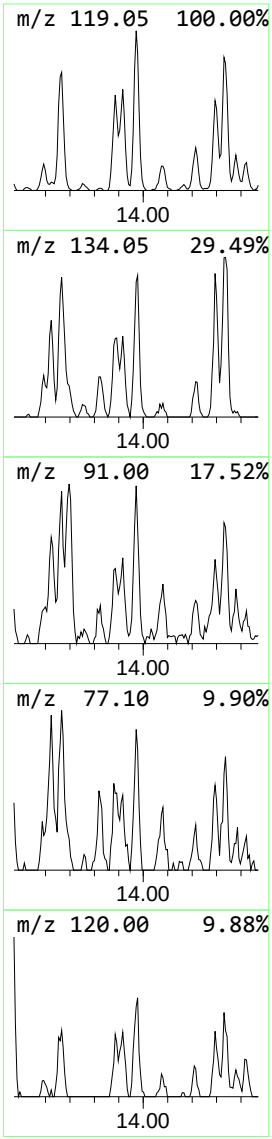
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.971	41.63 ug/l	46731	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
2	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
3	o-Cymene	134	C10H14	000527-84-4	94
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94





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ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-PP18B

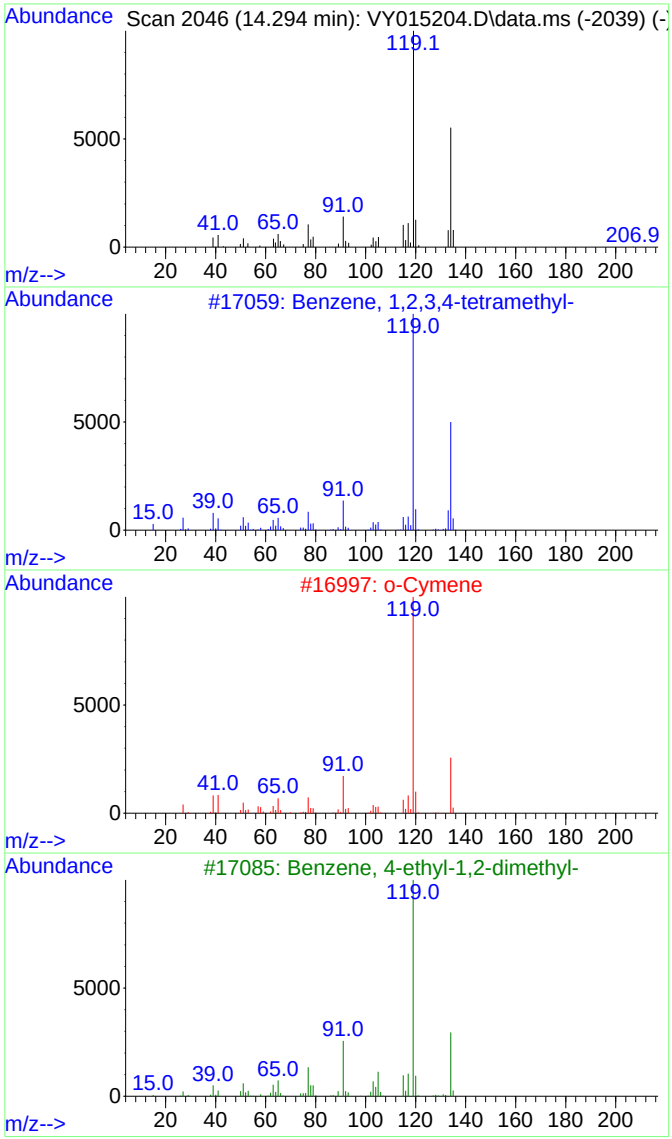
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
Quant Title : SW846 8260

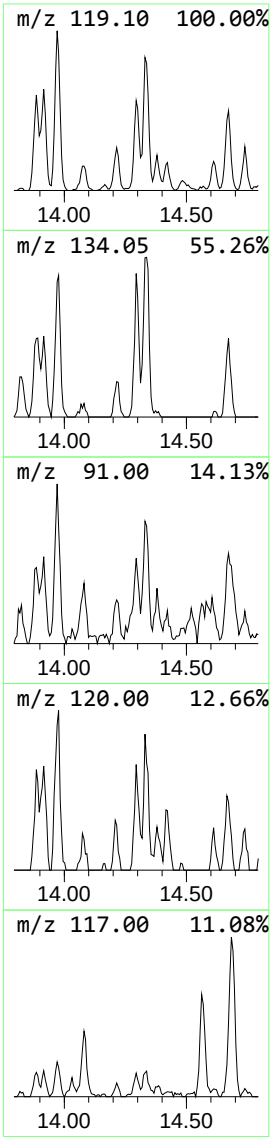
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.294	28.02 ug/l	31460	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
2	o-Cymene	134	C10H14	000527-84-4	95
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081823\
Data File : VY015204.D
Acq On : 18 Aug 2023 18:34
Operator : SY/MD
Sample : 04086-16
Misc : 5.02g/5.2mL/MSVOA_Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-PP18B

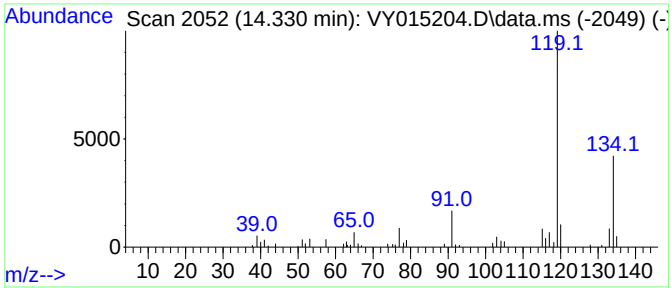
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
Quant Title : SW846 8260

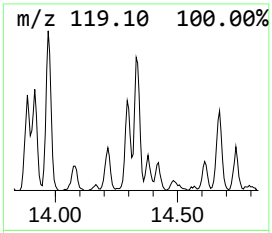
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

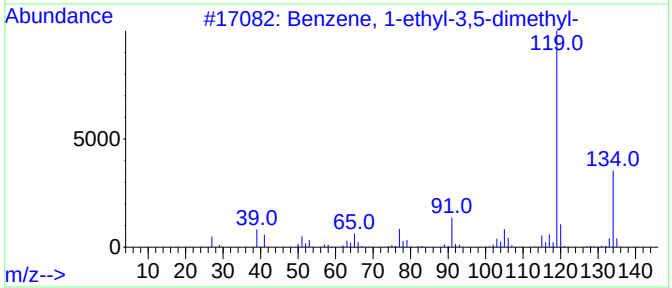
****
Peak Number 7 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 6

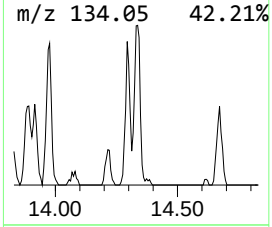
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.331	38.22 ug/l	42908	1,4-Dichlorobenzene-d4	13.428

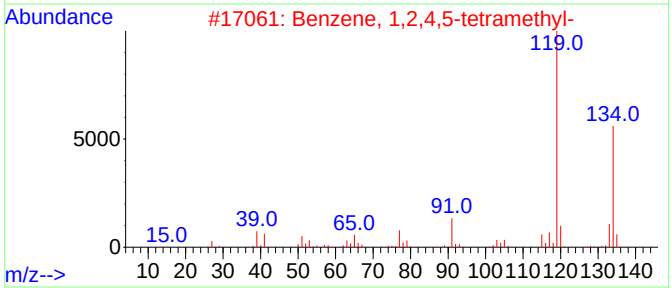
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94
4	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	91

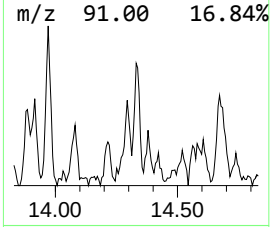


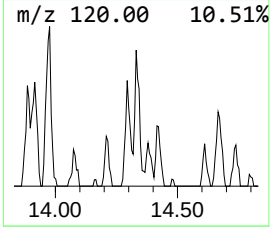


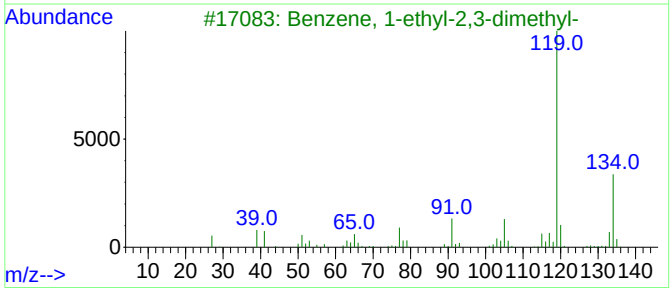


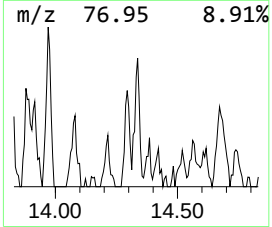












Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081823\
Data File : VY015204.D
Acq On : 18 Aug 2023 18:34
Operator : SY/MD
Sample : 04086-16
Misc : 5.02g/5.2mL/MSVOA_Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-PP18B

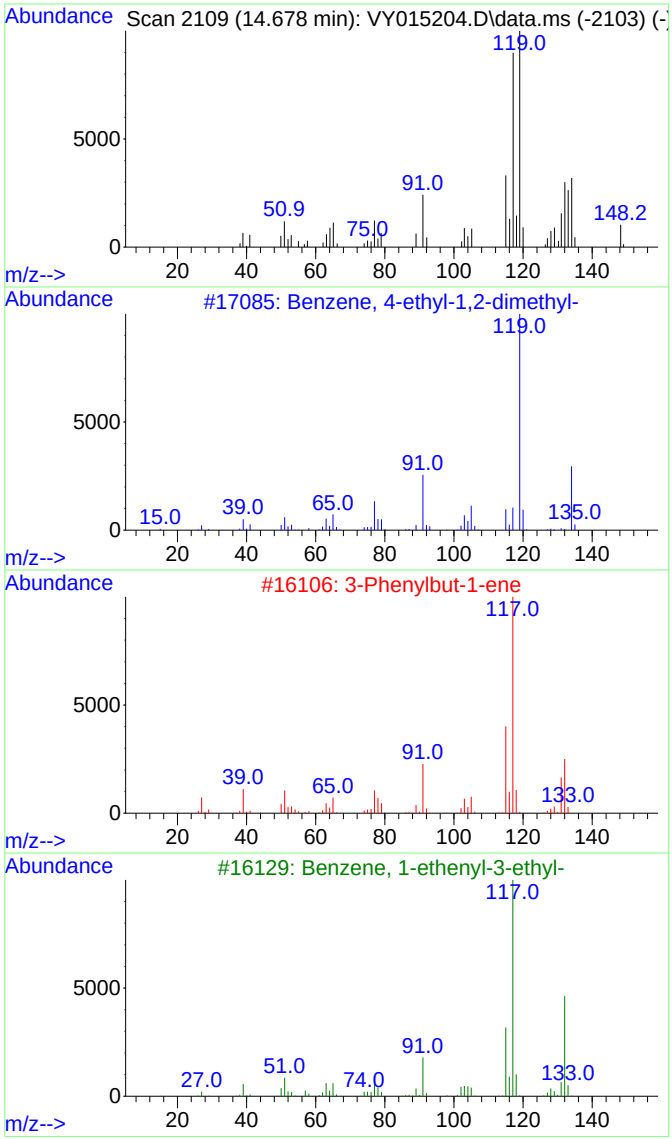
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
Quant Title : SW846 8260

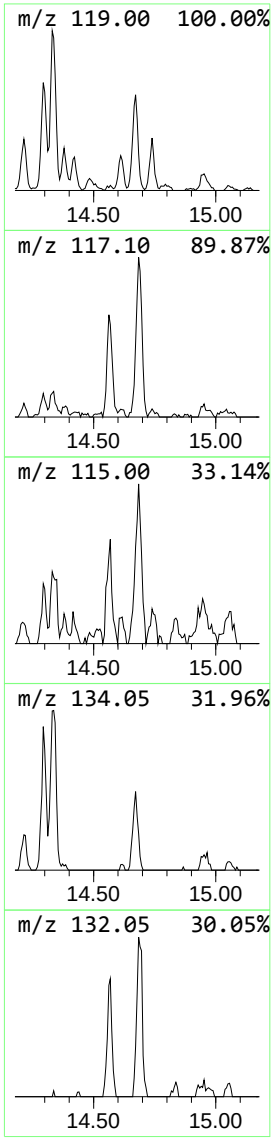
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 unknown14.678 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.678	49.34 ug/l	55390	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	46
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	46
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	46
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000767-99-7	46
5	p-Cymene	134	C10H14	000099-87-6	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081823\
Data File : VY015204.D
Acq On : 18 Aug 2023 18:34
Operator : SY/MD
Sample : 04086-16
Misc : 5.02g/5.2mL/MSVOA_Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-PP18B

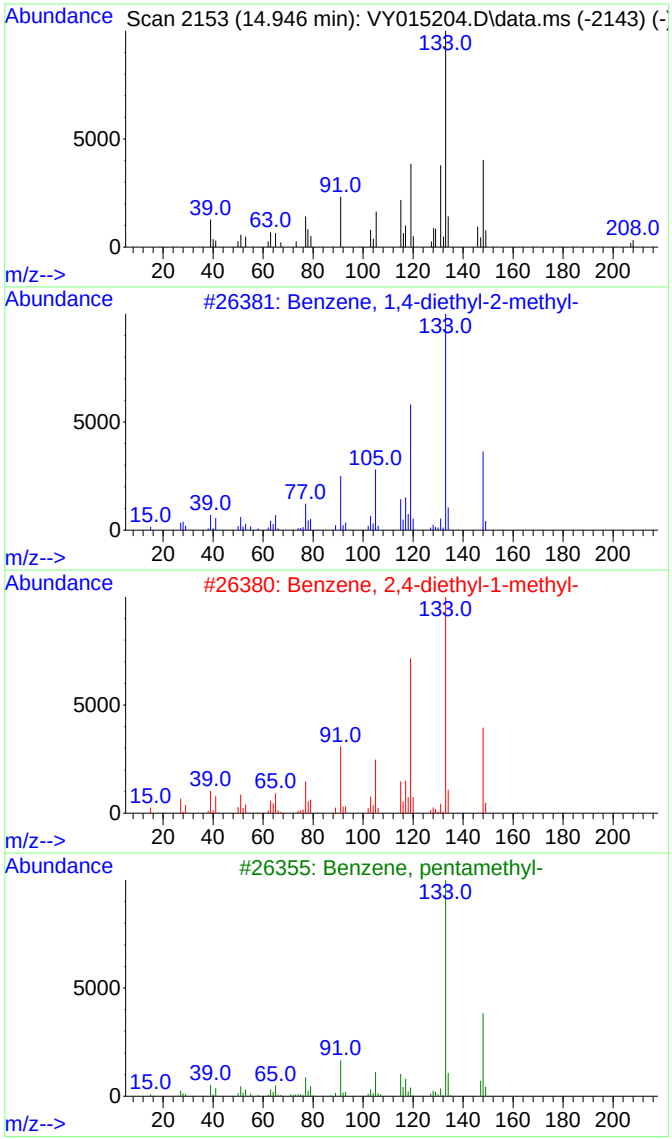
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
Quant Title : SW846 8260

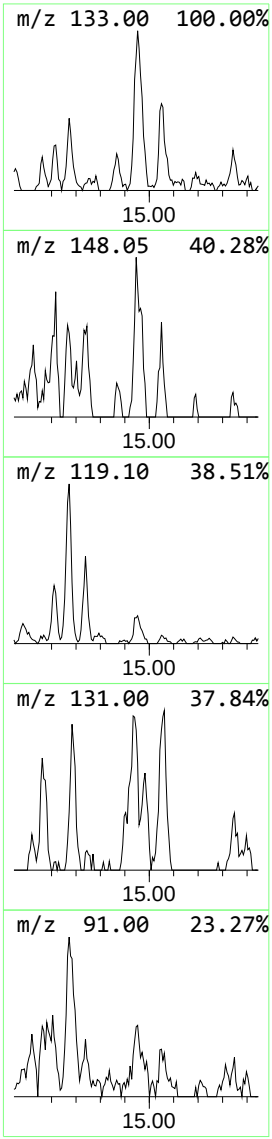
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Benzene, 1,4-diethyl-2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.946	25.54 ug/l	28674	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-diethyl-2-methyl-	148	C11H16	013632-94-5	81
2	Benzene, 2,4-diethyl-1-methyl-	148	C11H16	001758-85-6	74
3	Benzene, pentamethyl-	148	C11H16	000700-12-9	62
4	2-tert-Butyltoluene	148	C11H16	001074-92-6	62
5	Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	58





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081823\
Data File : VY015204.D
Acq On : 18 Aug 2023 18:34
Operator : SY/MD
Sample : 04086-16
Misc : 5.02g/5.2mL/MSVOA_Y/SOIL
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-PP18B

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
Benzene, 1-ethy...	12.733	68.9	ug/l	77337	4	13.428	56131	50.0
Benzene, 1-ethy...	12.971	44.8	ug/l	50335	4	13.428	56131	50.0
Benzene, 1-ethe...	13.623	49.7	ug/l	55775	4	13.428	56131	50.0
Benzene, 2-ethy...	13.885	25.6	ug/l	28686	4	13.428	56131	50.0
Benzene, 1-ethy...	13.971	41.6	ug/l	46731	4	13.428	56131	50.0
Benzene, 1,2,3,...	14.294	28.0	ug/l	31460	4	13.428	56131	50.0
Benzene, 1-ethy...	14.331	38.2	ug/l	42908	4	13.428	56131	50.0
unknown14.678	14.678	49.3	ug/l	55390	4	13.428	56131	50.0
Benzene, 1,4-di...	14.946	25.5	ug/l	28674	4	13.428	56131	50.0