LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081823\
Data File : VY015202.D
Acq On : 18 Aug 2023 17:46
Operator : SY/MD
Sample : 04086-14
Misc : 5.08g/5.2mL/MSVOA_Y/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-PP17B

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: VY015202.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.900	169	177	188	rVB4	1948	5128	1.09%	0.138%
2	4.710	464	474	480	rBV7	4023	13225	2.80%	0.356%
3	5.734	635	642	650	rVB4	2083	5330	1.13%	0.144%
4	6.966	836	844	855	rBV	6696	20939	4.44%	0.564%
5	7.710	958	966	971	rBV2	10001	23164	4.91%	0.624%
6	7.777	971	977	986	rVB	23071	54799	11.61%	1.476%
7	7.996	1004	1013	1021	rBV6	2804	6431	1.36%	0.173%
8	8.136	1029	1036	1046	rVB3	9550	21031	4.46%	0.566%
9	8.325	1061	1067	1074	rVB2	3200	7757	1.64%	0.209%
10	8.685	1119	1126	1134	rBV	31518	62843	13.32%	1.692%
11	9.612	1271	1278	1285	rVB3	3391	6327	1.34%	0.170%
12	9.746	1295	1300	1306	rVB2	4179	8002	1.70%	0.215%
13	9.825	1306	1313	1316	rBV4	2629	5108	1.08%	0.138%
14	9.953	1327	1334	1344	rBV5	3728	9566	2.03%	0.258%
15	10.179	1364	1371	1376	rBV	47848	83226	17.64%	2.241%
16	10.240	1376	1381	1388	rVB	62787	109690	23.25%	2.954%
17	10.368	1396	1402	1407	rVB6	3738	6902	1.46%	0.186%
18	11.282	1543	1552	1558	rVB4	5685	11780	2.50%	0.317%
19	11.380	1563	1568	1573	rBV2	4950	8327	1.76%	0.224%
20	11.490	1580	1586	1595	rBV	42278	68290	14.47%	1.839%
21	11.593	1595	1603	1609	rBV	26866	43643	9.25%	1.175%
22	11.697	1613	1620	1632	rBV	96177	177736	37.67%	4.786%
23	12.026	1666	1674	1683	rVB	63247	104229	22.09%	2.807%
24	12.331	1718	1724	1729	rBV	9413	18409	3.90%	0.496%
25	12.483	1744	1749	1754	rBV2	33948	55222	11.70%	1.487%
26	12.520	1754	1755	1761	rVB3	6367	6125	1.30%	0.165%
27	12.672	1769	1780	1785	rBV	34604	54547	11.56%	1.469%
28	12.733	1785	1790	1794	rVV	130887	210616	44.64%	5.672%
29	12.770	1794	1796	1799	rVV	52655	62706	13.29%	1.689%
30	12.812	1799	1803	1810	rVB	83465	125717	26.65%	3.385%
31	12.971	1816	1829	1836	rVB	69602	118146	25.04%	3.182%
32	13.117	1847	1853	1859	rVB	312759	471808	100.00%	12.705%
33	13.233	1867	1872	1873	rBV3	6248	8100	1.72%	0.218%
34	13.312	1881	1885	1890	rVB	13241	18992	4.03%	0.511%
35	13.367	1890	1894	1897	rBV3	6296	9761	2.07%	0.263%
36	13.428	1897	1904	1905	rVV	44979	63397	13.44%	1.707%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081823\
Data File : VY015202.D
Acq On : 18 Aug 2023 17:46
Operator : SY/MD
Sample : 04086-14
Misc : 5.08g/5.2mL/MSVOA_Y/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-PP17B

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	13.453	1905	1908	1914	rVV	86847	141972	30.09%	3.823%
38	13.495	1914	1915	1925	rVB8	4493	7071	1.50%	0.190%
39	13.593	1926	1931	1932	rBV	21447	26837	5.69%	0.723%
40	13.623	1932	1936	1939	rVV2	78927	122822	26.03%	3.307%
41	13.666	1939	1943	1953	rVB3	75919	152416	32.30%	4.104%
42	13.751	1953	1957	1961	rBV3	10578	14678	3.11%	0.395%
43	13.824	1964	1969	1974	rVB	24258	36828	7.81%	0.992%
44	13.885	1974	1979	1981	rBV	44053	62328	13.21%	1.678%
45	13.916	1981	1984	1988	rVB	41821	57499	12.19%	1.548%
46	13.971	1988	1993	1998	rBV	73519	107869	22.86%	2.905%
47	14.081	2005	2011	2016	rVB3	26427	43662	9.25%	1.176%
48	14.215	2027	2033	2038	rBV	18737	30388	6.44%	0.818%
49	14.294	2038	2046	2049	rVV	42285	70517	14.95%	1.899%
50	14.337	2049	2053	2057	rVV	63750	94535	20.04%	2.546%
51	14.379	2057	2060	2064	rVV3	21939	30261	6.41%	0.815%
52	14.422	2064	2067	2074	rVV2	11813	17288	3.66%	0.466%
53	14.519	2079	2083	2086	rVV2	11849	16787	3.56%	0.452%
54	14.562	2086	2090	2095	rVV2	27416	49373	10.46%	1.330%
55	14.611	2095	2098	2102	rVB	22715	30046	6.37%	0.809%
56	14.678	2102	2109	2115	rBV4	53477	119582	25.35%	3.220%
57	14.739	2115	2119	2125	rVB	16328	25800	5.47%	0.695%
58	14.946	2147	2153	2164	rVB3	24700	60709	12.87%	1.635%
59	15.050	2164	2170	2177	rBV4	15247	29348	6.22%	0.790%
60	15.233	2189	2200	2207	rBV	52807	99722	21.14%	2.685%
61	15.343	2207	2218	2223	rVV6	8378	24548	5.20%	0.661%
62	15.397	2223	2227	2230	rVV3	5170	8615	1.83%	0.232%
63	15.434	2230	2233	2241	rVB7	4230	7618	1.61%	0.205%
64	15.525	2241	2248	2255	rBV2	10606	19617	4.16%	0.528%
65	15.696	2271	2276	2285	rVV4	5887	17329	3.67%	0.467%
66	15.818	2289	2296	2300	rVV3	5410	10146	2.15%	0.273%
67	15.891	2300	2308	2315	rVB5	4216	9857	2.09%	0.265%
68	16.294	2367	2374	2383	rVB	24869	49336	10.46%	1.329%
69	16.489	2397	2406	2414	rBV2	15736	31065	6.58%	0.837%

Sum of corrected areas: 3713488

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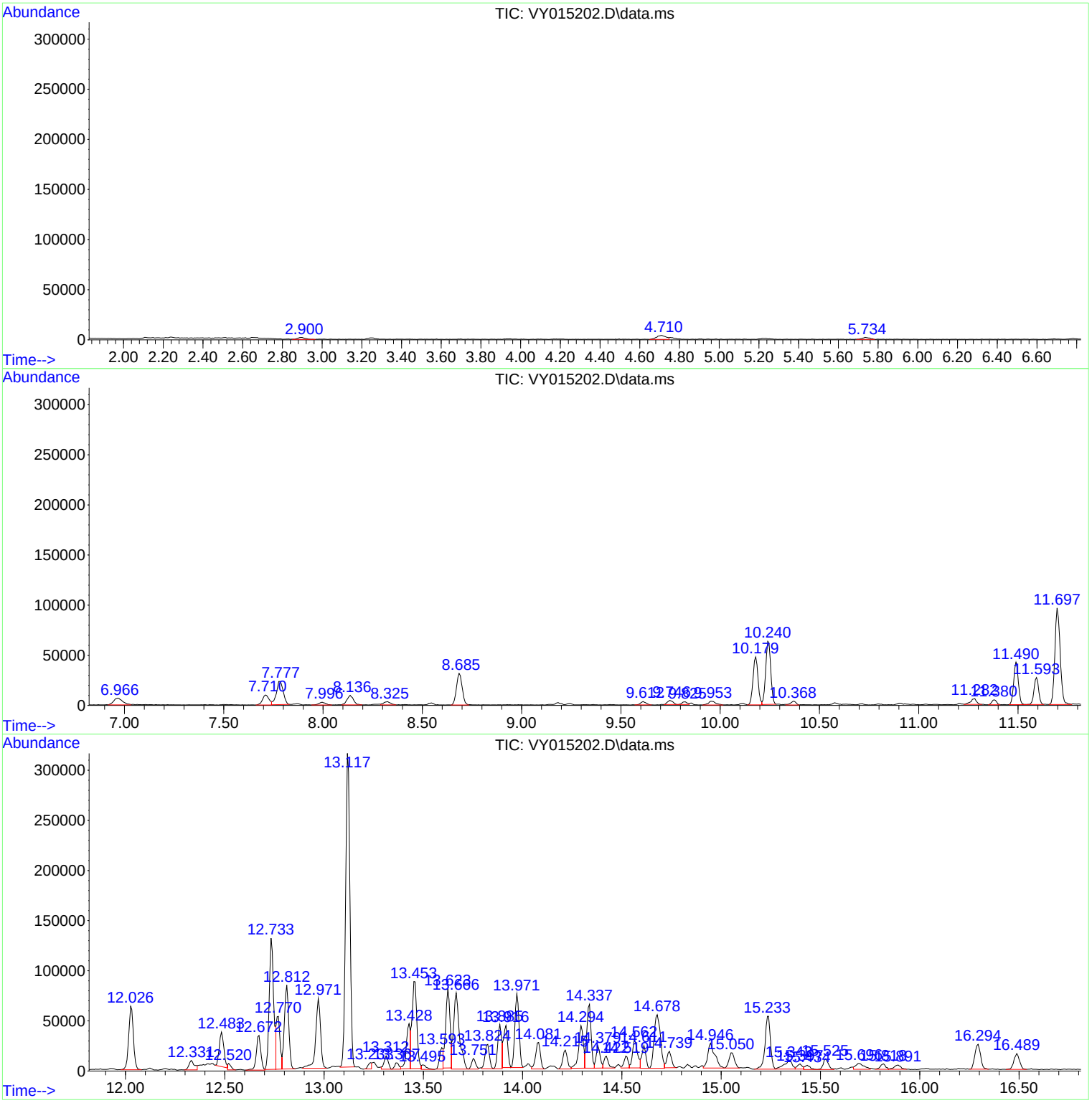
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-PP17B

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 : VY015202.D
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Operator : SY/MD
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ClientSampleId :
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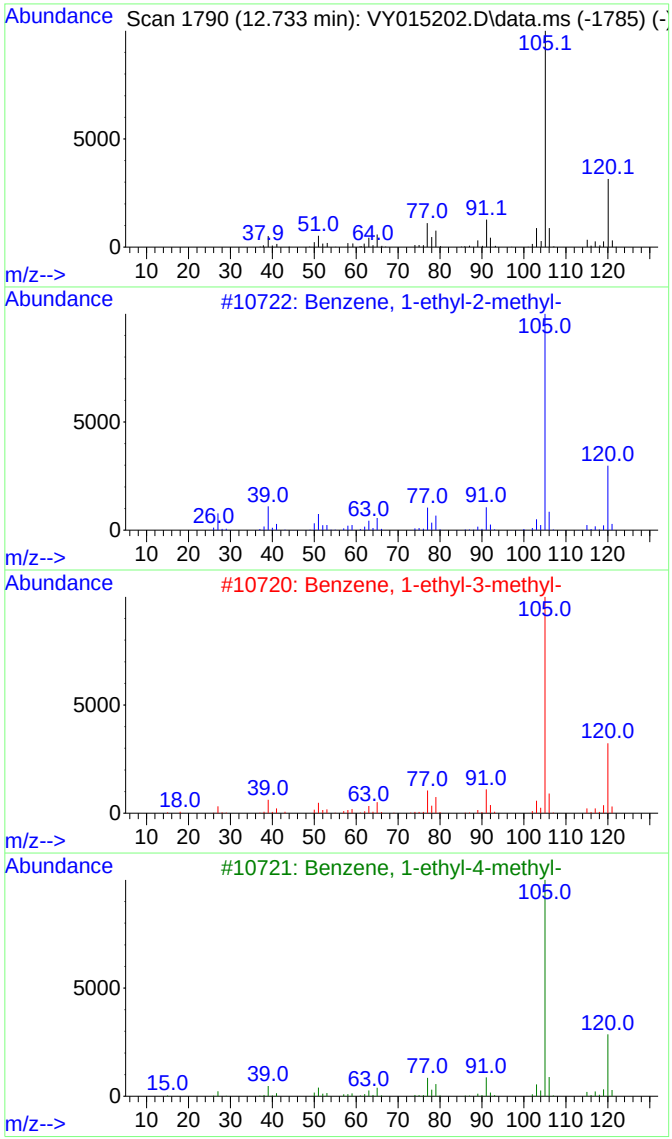
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
Quant Title : SW846 8260

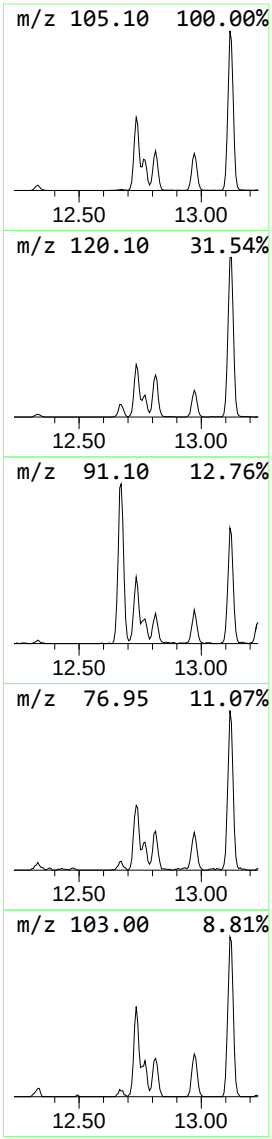
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.733	166.11 ug/l	210616	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	95
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





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Data File : VY015202.D
Acq On : 18 Aug 2023 17:46
Operator : SY/MD
Sample : 04086-14
Misc : 5.08g/5.2mL/MSVOA_Y/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-PP17B

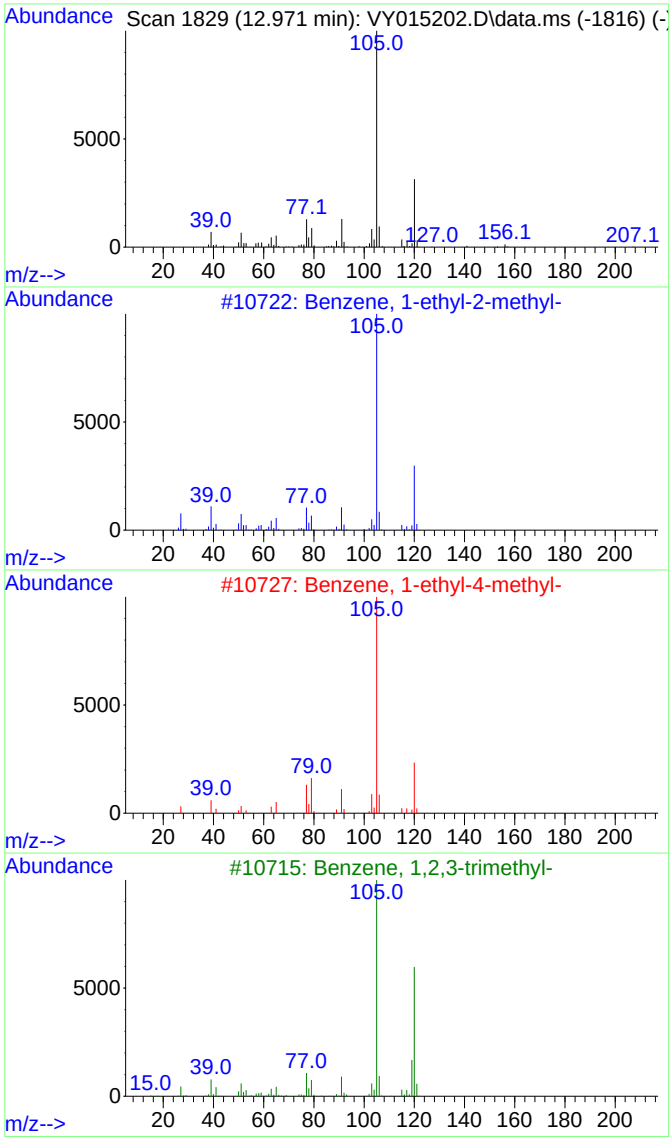
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
Quant Title : SW846 8260

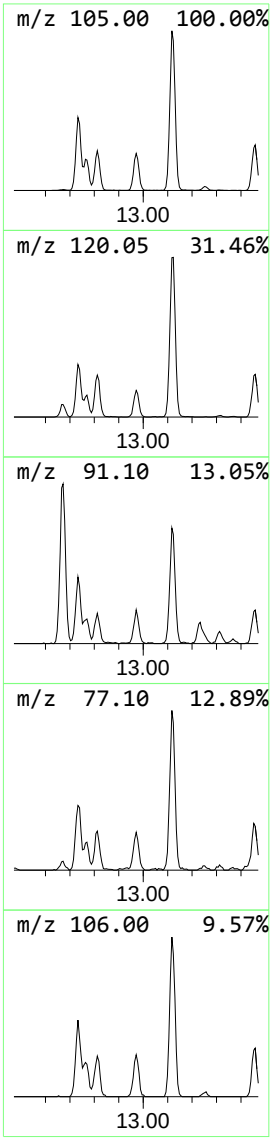
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.971	93.18 ug/l	118146	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	94
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	94
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081823\
Data File : VY015202.D
Acq On : 18 Aug 2023 17:46
Operator : SY/MD
Sample : 04086-14
Misc : 5.08g/5.2mL/MSVOA_Y/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-PP17B

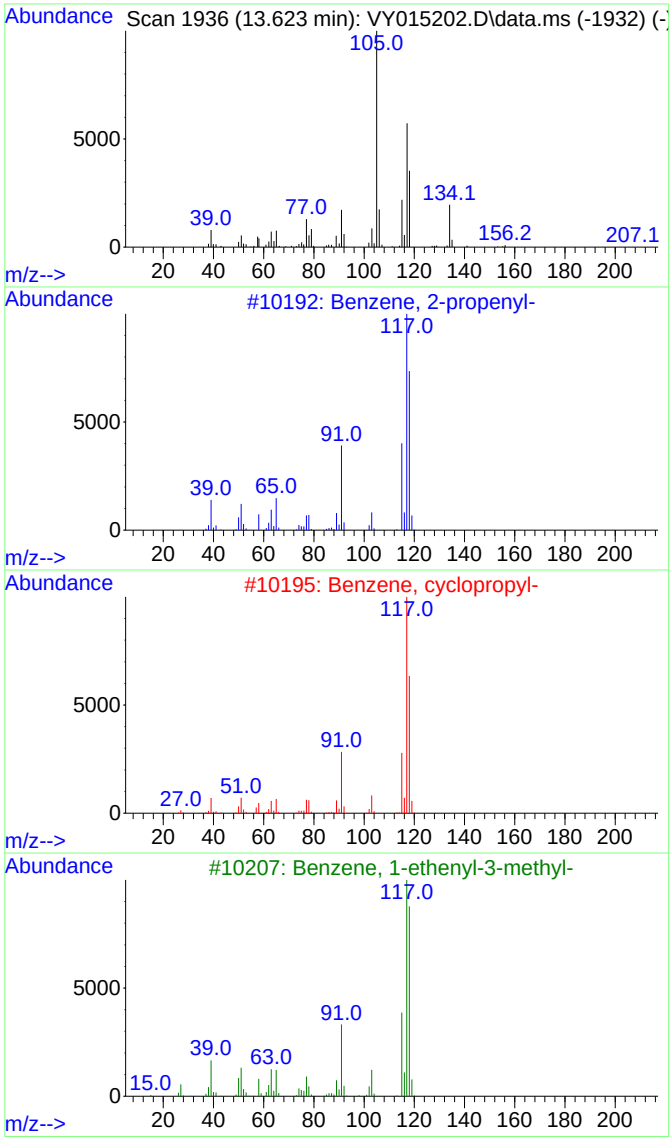
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
Quant Title : SW846 8260

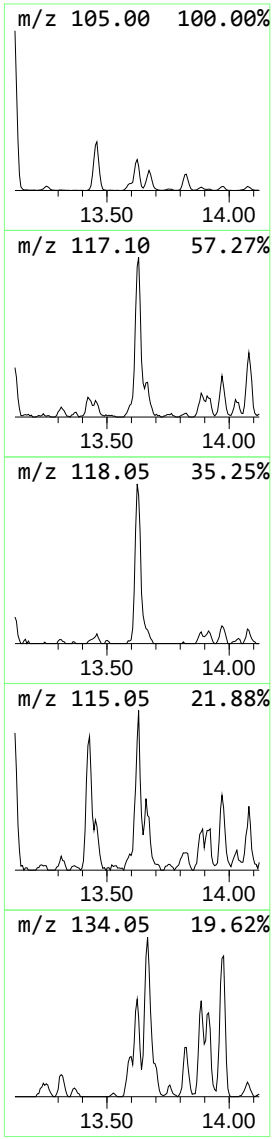
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 unknown13.623 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.623	96.87 ug/l	122822	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-propenyl-	118	C9H10	000300-57-2	46
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	46
3	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	46
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	46
5	7-Methylenecycloocta-1,3,5-triene	118	C9H10	002570-13-0	41





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081823\
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Instrument :
MSVOA_Y
ClientSampleId :
B-PP17B

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

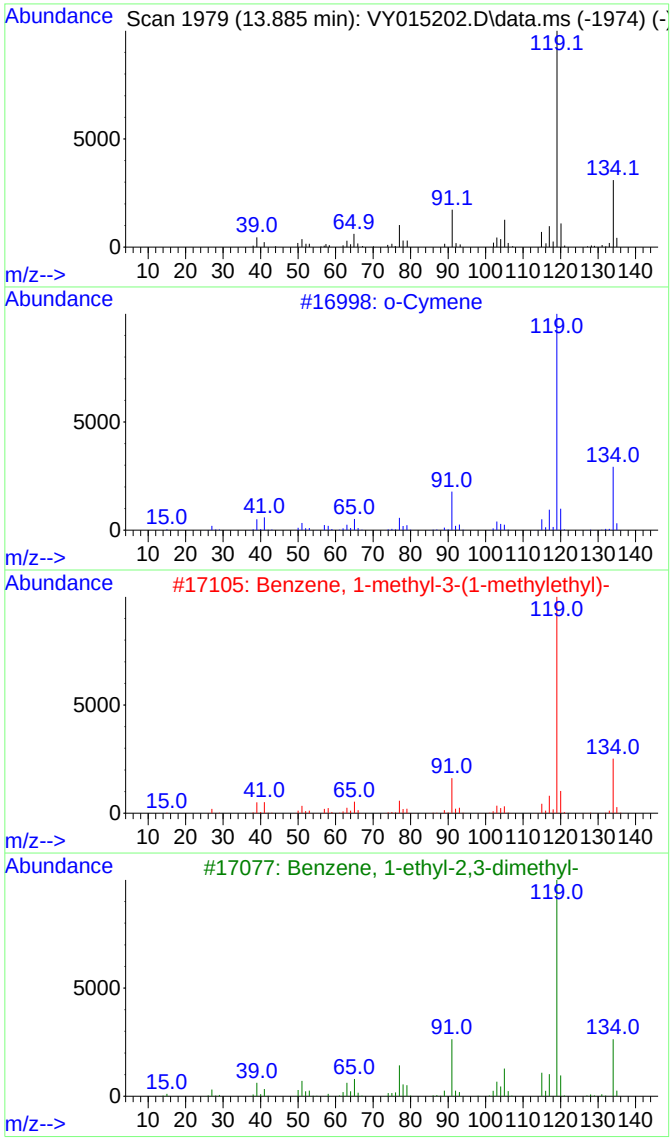
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

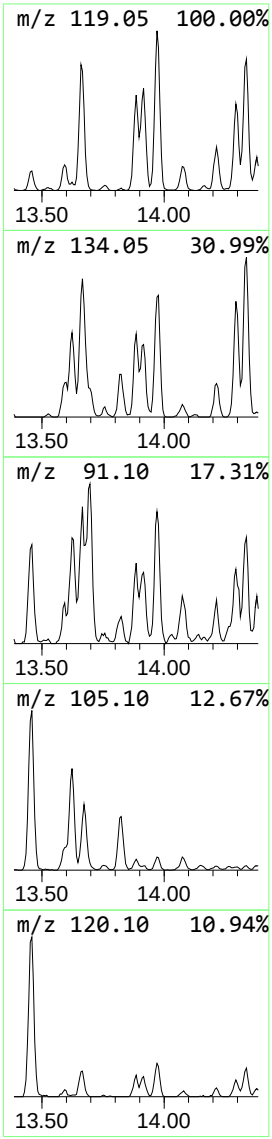
****

Peak Number 4 o-Cymene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.885	49.16 ug/l	62328	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-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081823\
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Misc : 5.08g/5.2mL/MSVOA_Y/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-PP17B

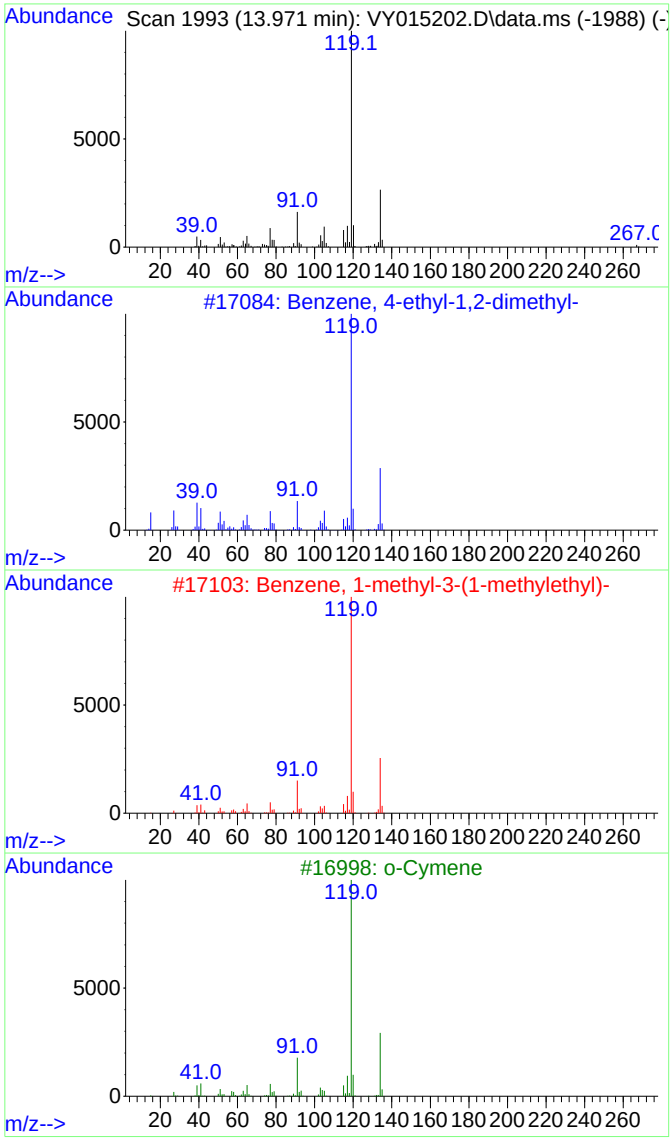
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
Quant Title : SW846 8260

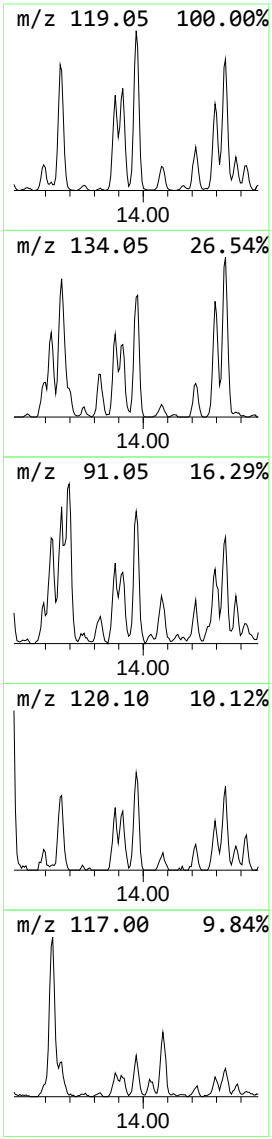
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.971	85.07 ug/l	107869	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	95
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	p-Cymene	134	C10H14	000099-87-6	95
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94





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MSVOA_Y
ClientSampleId :
B-PP17B

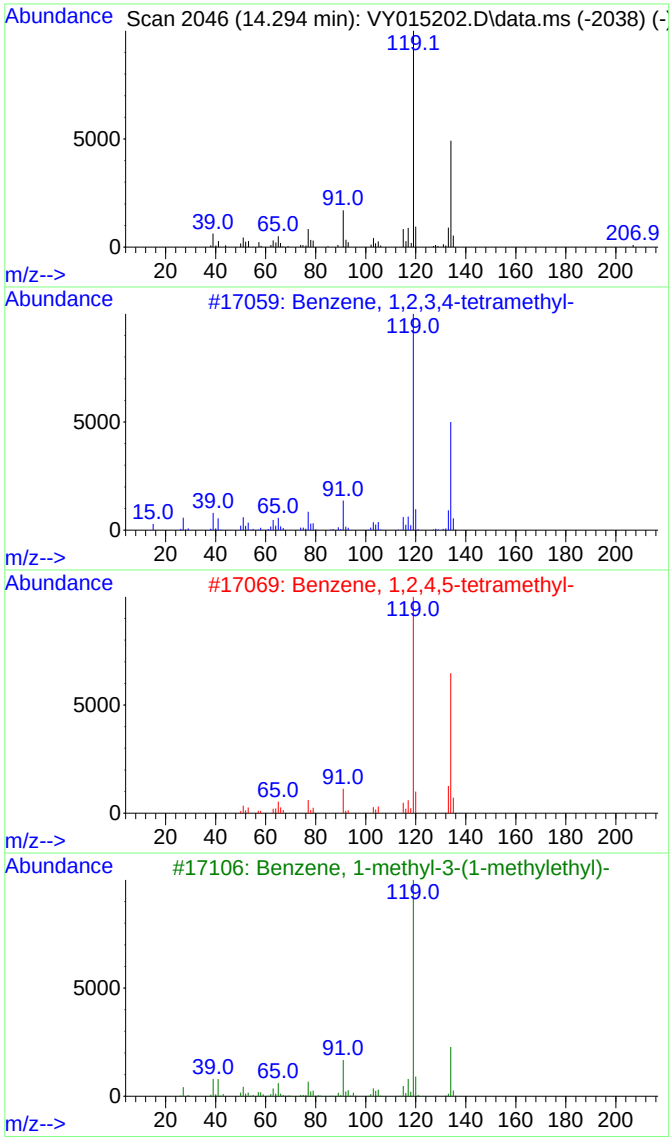
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
Quant Title : SW846 8260

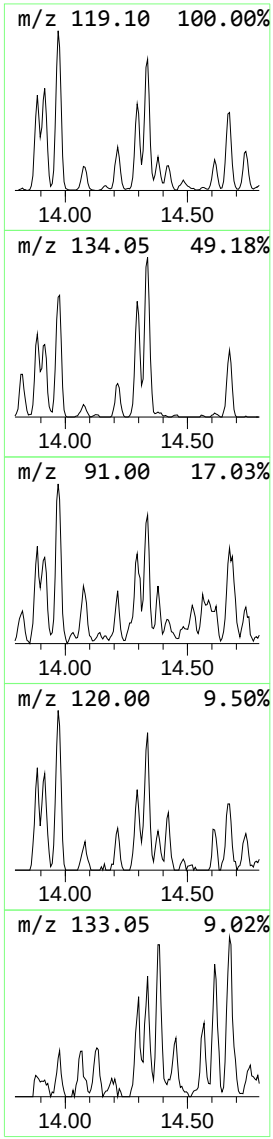
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.294	55.62 ug/l	70517	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	94
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	91
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081823\
Data File : VY015202.D
Acq On : 18 Aug 2023 17:46
Operator : SY/MD
Sample : 04086-14
Misc : 5.08g/5.2mL/MSVOA_Y/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-PP17B

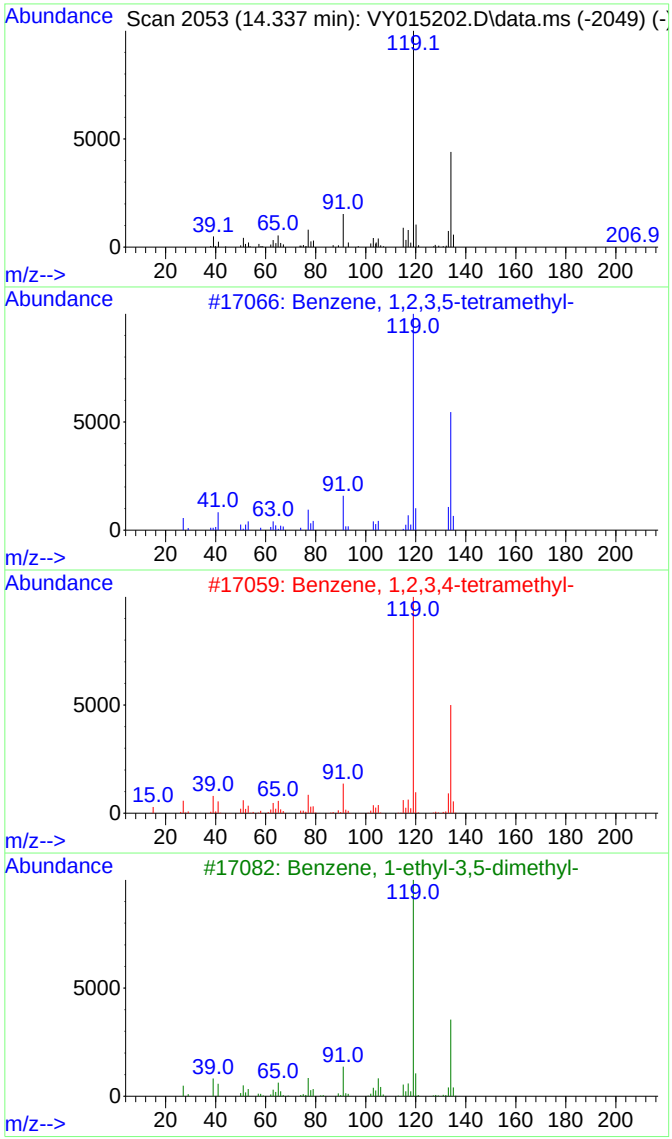
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
Quant Title : SW846 8260

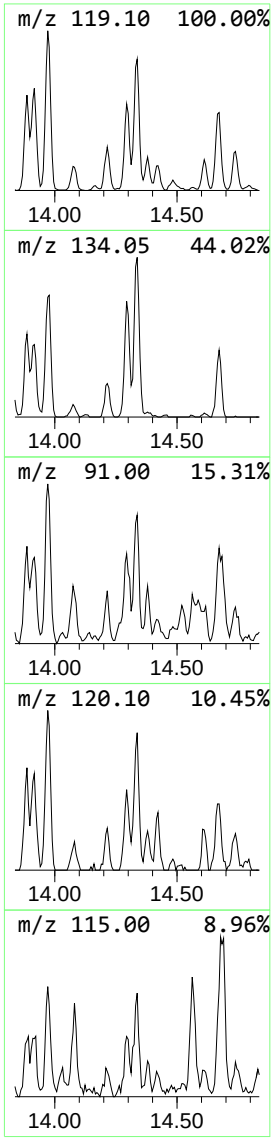
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.337	74.56 ug/l	94535	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
3	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	94
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081823\
Data File : VY015202.D
Acq On : 18 Aug 2023 17:46
Operator : SY/MD
Sample : 04086-14
Misc : 5.08g/5.2mL/MSVOA_Y/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-PP17B

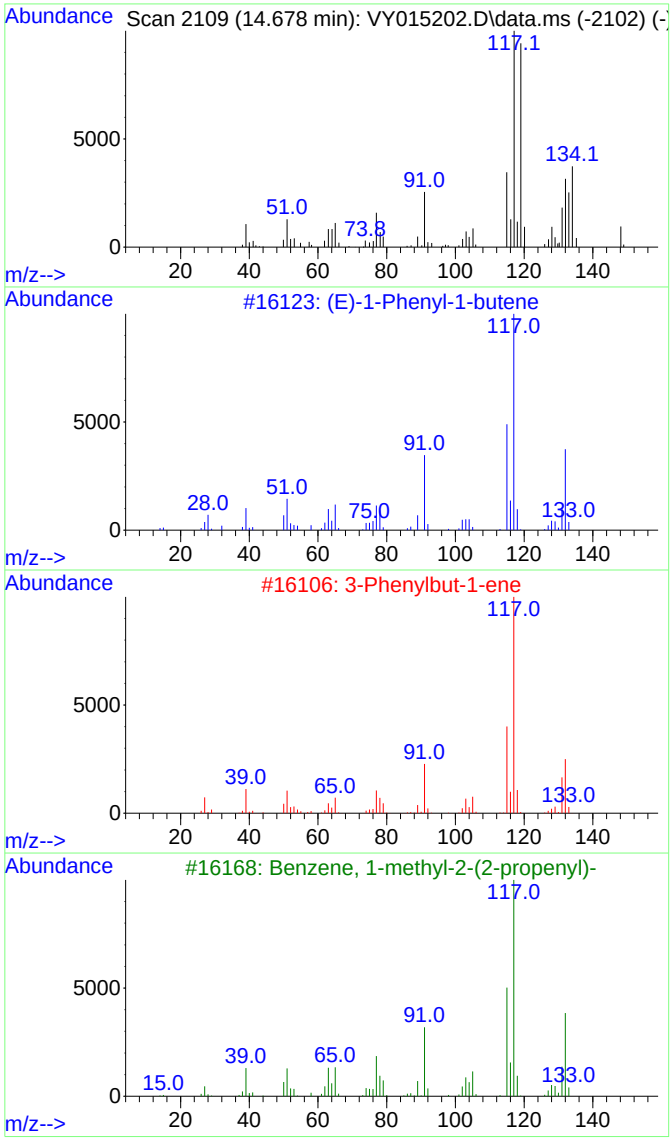
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
Quant Title : SW846 8260

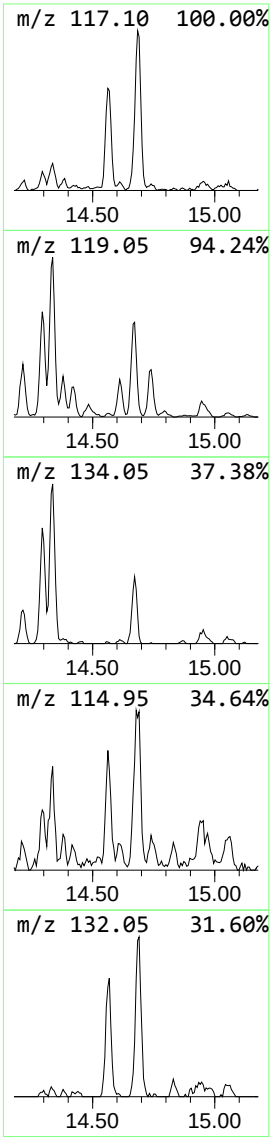
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 (E)-1-Phenyl-1-butene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.678	94.31 ug/l	119582	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	86
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	83
3	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	64
4	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	60
5	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081823\
Data File : VY015202.D
Acq On : 18 Aug 2023 17:46
Operator : SY/MD
Sample : 04086-14
Misc : 5.08g/5.2mL/MSVOA_Y/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-PP17B

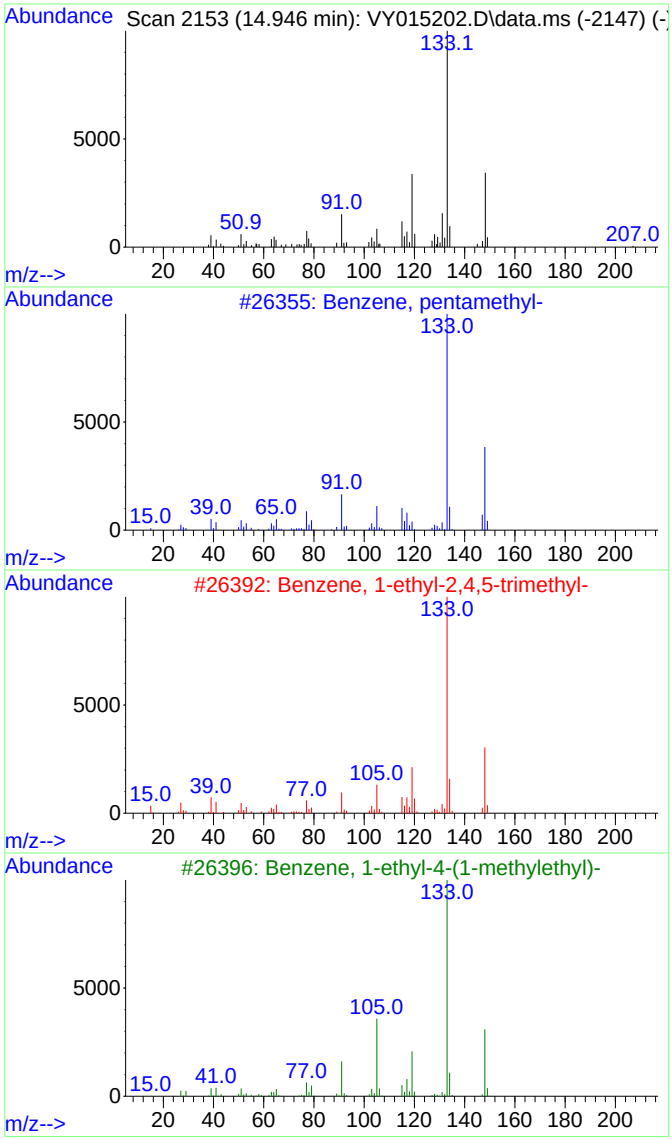
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
Quant Title : SW846 8260

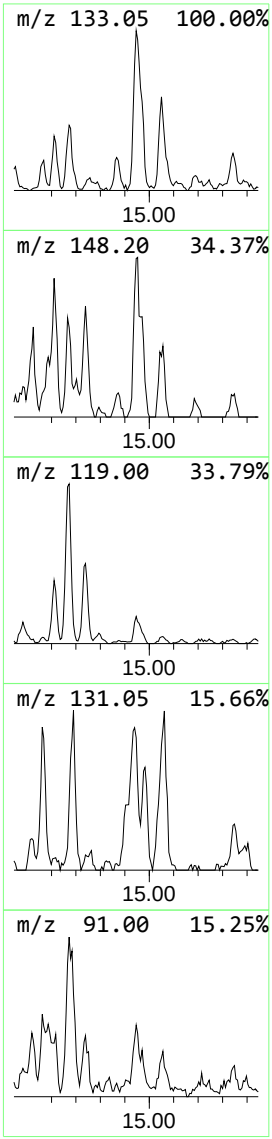
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Benzene, pentamethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.946	47.88 ug/l	60709	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, pentamethyl-	148	C11H16	000700-12-9	76
2	Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	72
3	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	68
4	Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	68
5	2-tert-Butyltoluene	148	C11H16	001074-92-6	62





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081823\
Data File : VY015202.D
Acq On : 18 Aug 2023 17:46
Operator : SY/MD
Sample : 04086-14
Misc : 5.08g/5.2mL/MSVOA_Y/SOIL
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-PP17B

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	166.1	ug/l	210616	4	13.428	63397	50.0
Benzene, 1-ethy...	12.971	93.2	ug/l	118146	4	13.428	63397	50.0
unknown13.623	13.623	96.9	ug/l	122822	4	13.428	63397	50.0
o-Cymene	13.885	49.2	ug/l	62328	4	13.428	63397	50.0
Benzene, 4-ethy...	13.971	85.1	ug/l	107869	4	13.428	63397	50.0
Benzene, 1,2,3,...	14.294	55.6	ug/l	70517	4	13.428	63397	50.0
Benzene, 1,2,3,...	14.337	74.6	ug/l	94535	4	13.428	63397	50.0
(E)-1-Phenyl-1-...	14.678	94.3	ug/l	119582	4	13.428	63397	50.0
Benzene, pentam...	14.946	47.9	ug/l	60709	4	13.428	63397	50.0