LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031721\
Data File : VY004101.D
Acq On : 17 Mar 2021 14:24
Operator : SY/MD
Sample : M1681-37
Misc : 4.46g/5mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : UST1

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\82Y030821S.M
Title : SW846 8260

Signal : TIC: VY004101.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.741	467	479	487	rBV2	7297	22707	1.86%	0.251%
2	7.734	958	970	975	rBV	147717	352561	28.90%	3.898%
3	7.801	975	981	990	rVB	244808	547087	44.85%	6.049%
4	8.008	1009	1015	1023	rBV2	6095	13444	1.10%	0.149%
5	8.155	1030	1039	1051	rVB	141166	312364	25.61%	3.454%
6	8.356	1066	1072	1078	rVV6	4403	12469	1.02%	0.138%
7	8.423	1078	1083	1094	rVB3	7384	16687	1.37%	0.185%
8	8.557	1094	1105	1112	rBV2	18671	37774	3.10%	0.418%
9	8.697	1118	1128	1138	rBV	374910	735678	60.31%	8.134%
10	9.191	1196	1209	1215	rBV2	51097	128281	10.52%	1.418%
11	9.374	1232	1239	1245	rVV2	8953	18070	1.48%	0.200%
12	9.465	1245	1254	1262	rVB	15779	34452	2.82%	0.381%
13	9.612	1270	1278	1286	rBV3	28148	56376	4.62%	0.623%
14	9.764	1297	1303	1307	rBV2	8417	16595	1.36%	0.183%
15	9.825	1307	1313	1325	rVB2	50700	117114	9.60%	1.295%
16	9.965	1325	1336	1348	rBV3	35663	92938	7.62%	1.028%
17	10.185	1364	1372	1387	rBV	673509	1182487	96.94%	13.074%
18	10.307	1387	1392	1395	rBV3	11177	20420	1.67%	0.226%
19	10.374	1395	1403	1409	rVB3	81593	167420	13.73%	1.851%
20	10.484	1409	1421	1424	rBV4	12958	29084	2.38%	0.322%
21	10.526	1424	1428	1434	rVB	41881	70179	5.75%	0.776%
22	10.624	1434	1444	1449	rBV5	21180	48909	4.01%	0.541%
23	10.715	1455	1459	1464	rVB	14198	22053	1.81%	0.244%
24	10.807	1469	1474	1479	rVV	26885	40040	3.28%	0.443%
25	10.904	1486	1490	1497	rVV	13406	29303	2.40%	0.324%
26	10.971	1497	1501	1504	rVV3	15587	25728	2.11%	0.284%
27	11.008	1504	1507	1508	rVV3	14227	18516	1.52%	0.205%
28	11.038	1508	1512	1516	rVV	53098	86874	7.12%	0.961%
29	11.093	1516	1521	1527	rVV	87162	152435	12.50%	1.685%
30	11.203	1533	1539	1544	rVB3	28249	54235	4.45%	0.600%
31	11.288	1544	1553	1563	rVB6	35631	105467	8.65%	1.166%
32	11.380	1563	1568	1573	rBV	27762	48444	3.97%	0.536%
33	11.496	1580	1587	1597	rBV	501302	810286	66.43%	8.959%
34	11.593	1597	1603	1607	rVV2	44868	83355	6.83%	0.922%
35	11.630	1607	1609	1612	rVV2	13658	17166	1.41%	0.190%
36	11.703	1612	1621	1631	rVV2	138354	337870	27.70%	3.736%

LSC Area Percent Report

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Operator : SY/MD
Sample : M1681-37
Misc : 4.46g/5mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : UST1

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\82Y030821S.M
Title : SW846 8260

37	11.782	1631	1634	1639	rVB2	20385	32348	2.65%	0.358%
38	12.032	1664	1675	1682	rBV2	110243	233630	19.15%	2.583%
39	12.124	1687	1690	1694	rVB	13911	17360	1.42%	0.192%
40	12.209	1699	1704	1707	rVV2	35659	64201	5.26%	0.710%
41	12.245	1707	1710	1720	rVB4	25418	51633	4.23%	0.571%
42	12.337	1720	1725	1730	rBV4	25623	46006	3.77%	0.509%
43	12.489	1743	1750	1757	rBV3	685113	1219815	100.00%	13.487%
44	12.562	1757	1762	1769	rVV5	9201	22810	1.87%	0.252%
45	12.648	1772	1776	1784	rVB2	29246	63931	5.24%	0.707%
46	12.739	1784	1791	1794	rBV	46573	85882	7.04%	0.950%
47	12.770	1794	1796	1799	rVV	28796	42065	3.45%	0.465%
48	12.812	1799	1803	1808	rVB	57880	95862	7.86%	1.060%
49	12.977	1822	1830	1837	rBV	33767	68762	5.64%	0.760%
50	13.044	1837	1841	1849	rVB6	13034	26844	2.20%	0.297%
51	13.123	1849	1854	1860	rBV	53779	86029	7.05%	0.951%
52	13.251	1869	1875	1879	rVB3	8686	14209	1.16%	0.157%
53	13.318	1879	1886	1890	rBV4	20190	40391	3.31%	0.447%
54	13.428	1898	1904	1918	rVB2	364238	640390	52.50%	7.080%
55	13.623	1933	1936	1940	rVV	17908	27619	2.26%	0.305%
56	13.666	1940	1943	1952	rVB4	16567	33038	2.71%	0.365%
57	13.751	1952	1957	1963	rBV5	24378	43776	3.59%	0.484%
58	13.922	1981	1985	1989	rVV	13554	23984	1.97%	0.265%
59	13.971	1989	1993	1999	rVB2	32004	52129	4.27%	0.576%
60	14.081	2006	2011	2016	rVB3	21403	33434	2.74%	0.370%
61	14.129	2016	2019	2028	rVB9	5146	13468	1.10%	0.149%
62	14.215	2028	2033	2037	rBV3	9234	15848	1.30%	0.175%
63	14.263	2037	2041	2044	rVV6	7640	12530	1.03%	0.139%
64	14.300	2044	2047	2050	rVV3	8935	13301	1.09%	0.147%
65	14.678	2103	2109	2116	rBV3	21340	44782	3.67%	0.495%
66	15.056	2166	2171	2176	rVB3	6918	13492	1.11%	0.149%

Sum of corrected areas: 9044437

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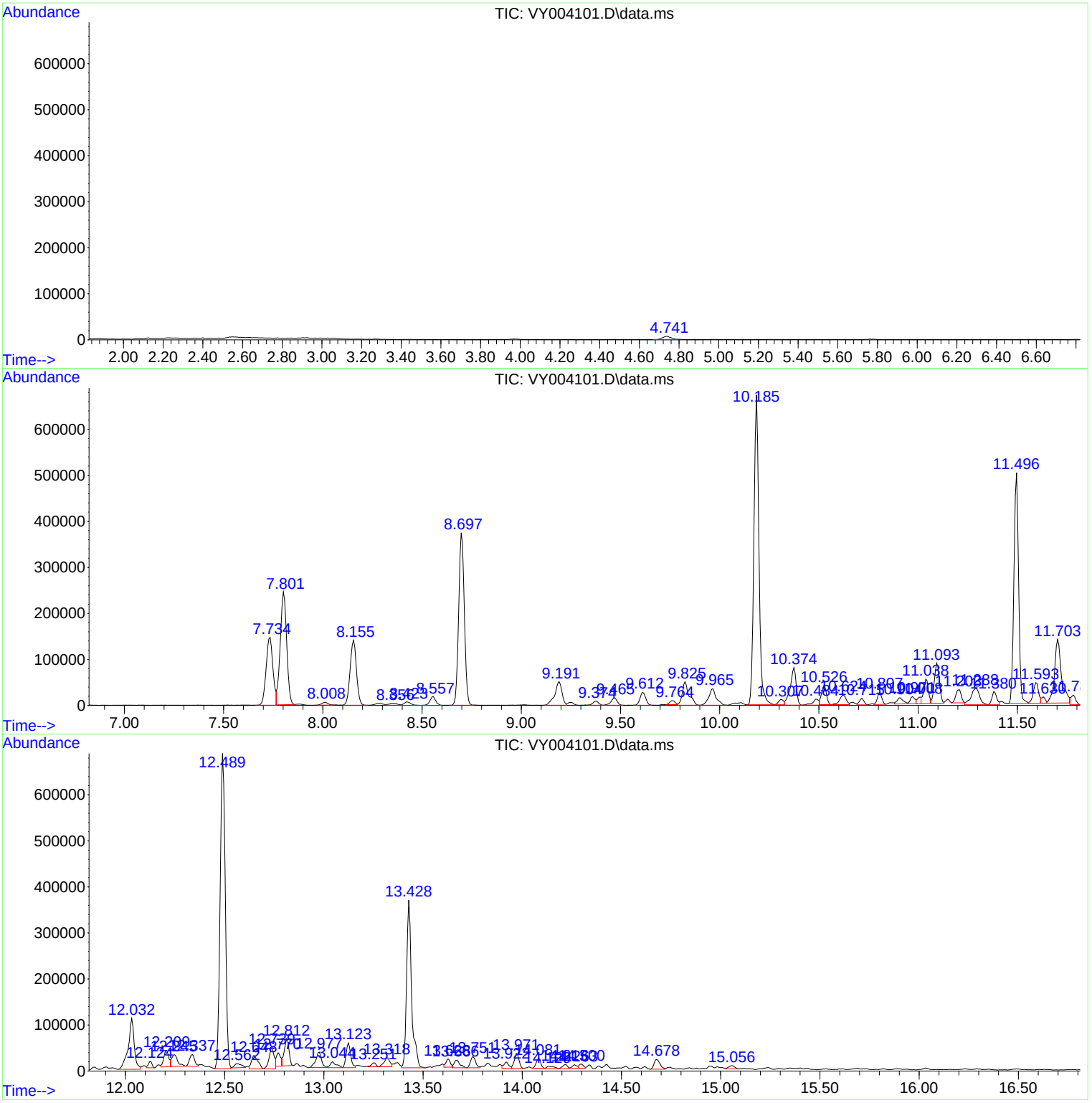
Misc : 4.46g/5mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
UST1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030821S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031721\
Data File : VY004101.D
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Operator : SY/MD
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Quant Title : SW846 8260

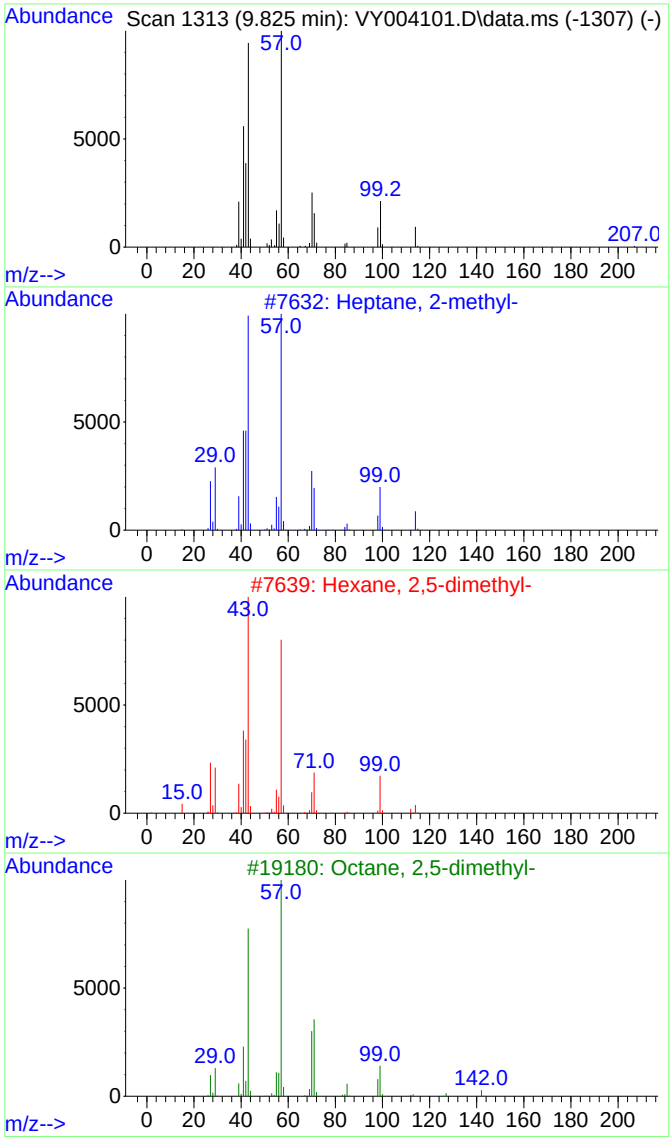
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

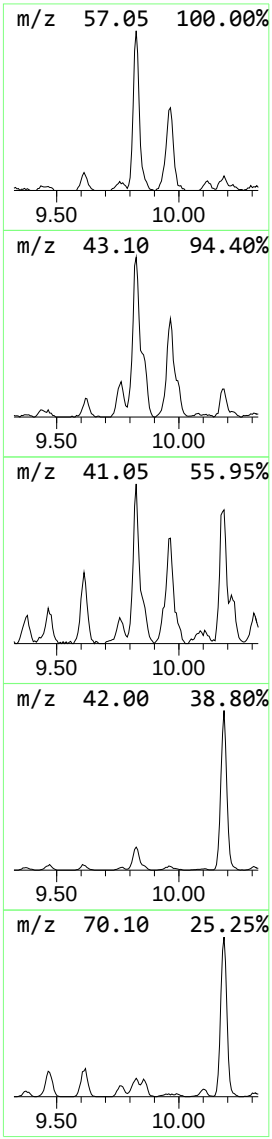
****

Peak Number 1 Heptane, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.825	7.96 ug/l	117114	1,4-Difluorobenzene	8.697

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	93
2	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	64
3	Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	43
4	Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	38
5	Hexane, 2,4,4-trimethyl-	128	C9H20	016747-30-1	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031721\
Data File : VY004101.D
Acq On : 17 Mar 2021 14:24
Operator : SY/MD
Sample : M1681-37
Misc : 4.46g/5mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
UST1

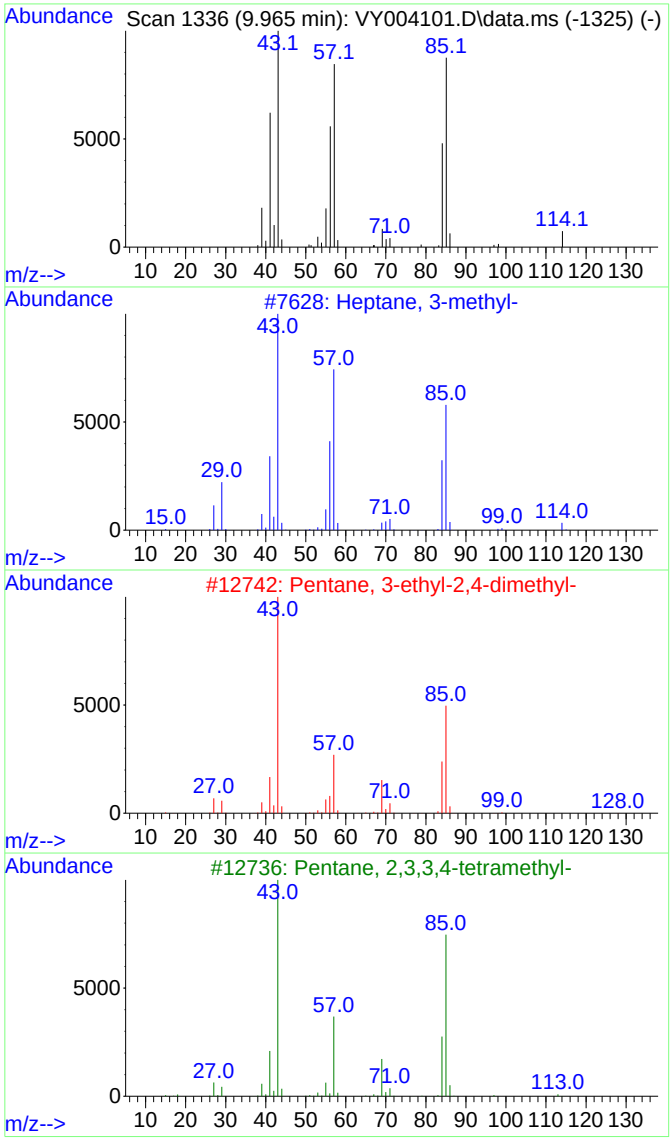
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030821S.M
Quant Title : SW846 8260

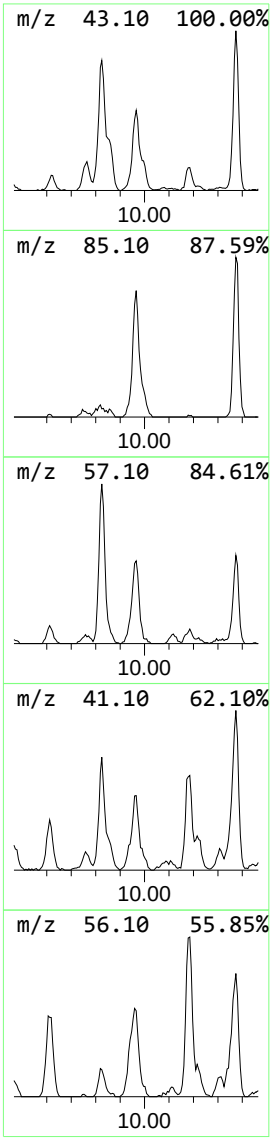
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Heptane, 3-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.965	6.32 ug/l	92938	1,4-Difluorobenzene	8.697

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	80
2	Pentane, 3-ethyl-2,4-dimethyl-	128	C9H20	001068-87-7	59
3	Pentane, 2,3,3,4-tetramethyl-	128	C9H20	016747-38-9	59
4	Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	59
5	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031721\
Data File : VY004101.D
Acq On : 17 Mar 2021 14:24
Operator : SY/MD
Sample : M1681-37
Misc : 4.46g/5mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
UST1

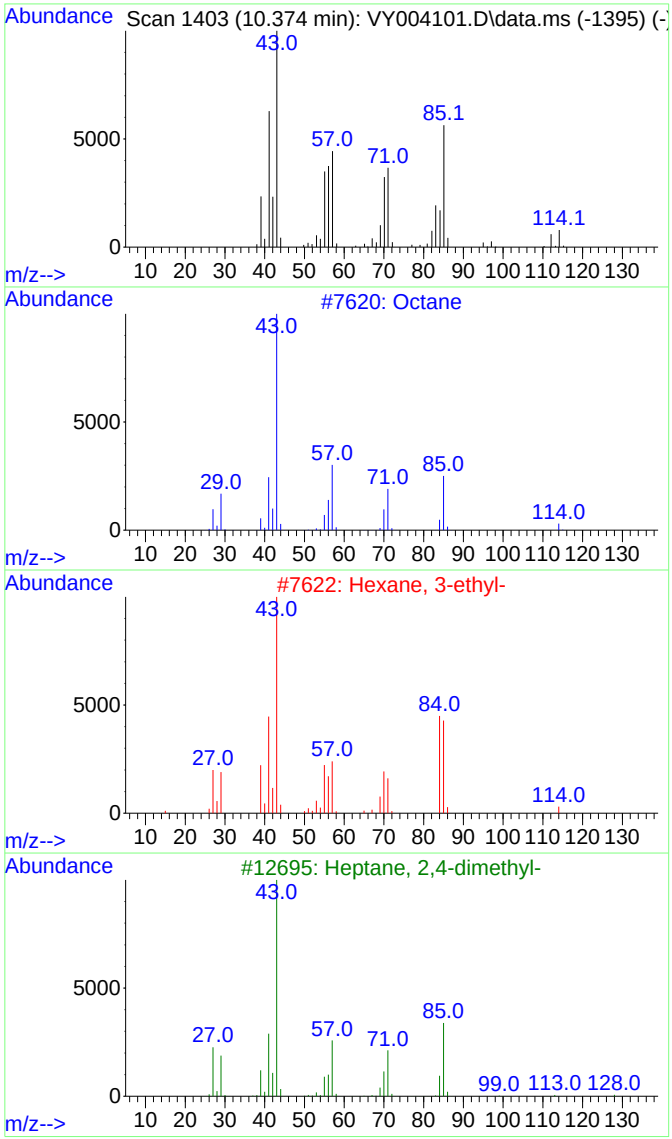
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030821S.M
Quant Title : SW846 8260

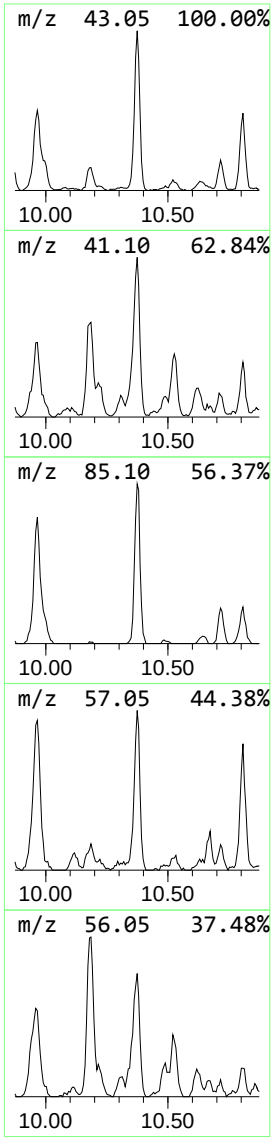
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Octane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.374	10.33 ug/l	167420	Chlorobenzene-d5	11.496

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	59
2	Hexane, 3-ethyl-	114	C8H18	000619-99-8	58
3	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	53
4	1-Fluorooctane	132	C8H17F	000463-11-6	47
5	Hexane, 2-methyl-	100	C7H16	000591-76-4	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031721\
Data File : VY004101.D
Acq On : 17 Mar 2021 14:24
Operator : SY/MD
Sample : M1681-37
Misc : 4.46g/5mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
UST1

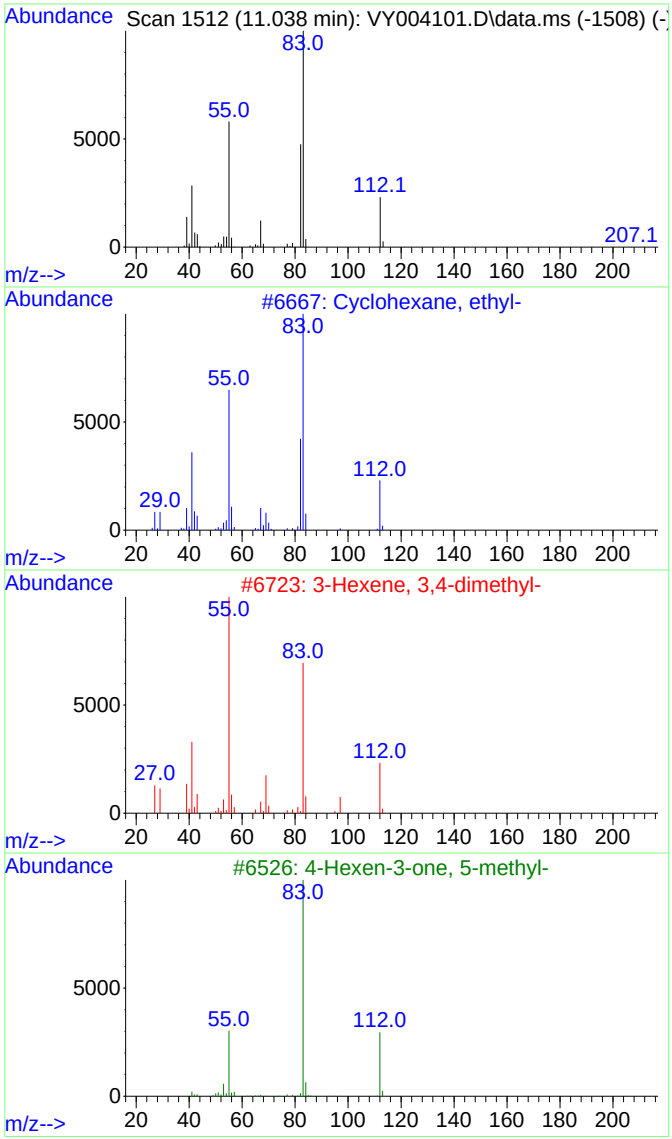
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030821S.M
Quant Title : SW846 8260

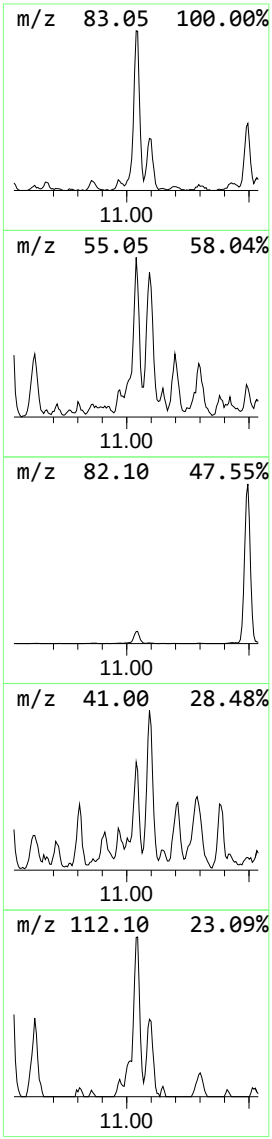
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Cyclohexane, ethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.038	5.36 ug/l	86874	Chlorobenzene-d5	11.496

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	91
2	3-Hexene, 3,4-dimethyl-	112	C8H16	030951-95-2	53
3	4-Hexen-3-one, 5-methyl-	112	C7H12O	013905-10-7	50
4	(E)-4-Oxohex-2-enal	112	C6H8O2	1000374-04-2	50
5	Oxalic acid, cyclohexyl propyl e...	214	C11H18O4	1000309-30-3	50





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Data File : VY004101.D
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Instrument :
MSVOA_Y
ClientSampleId :
UST1

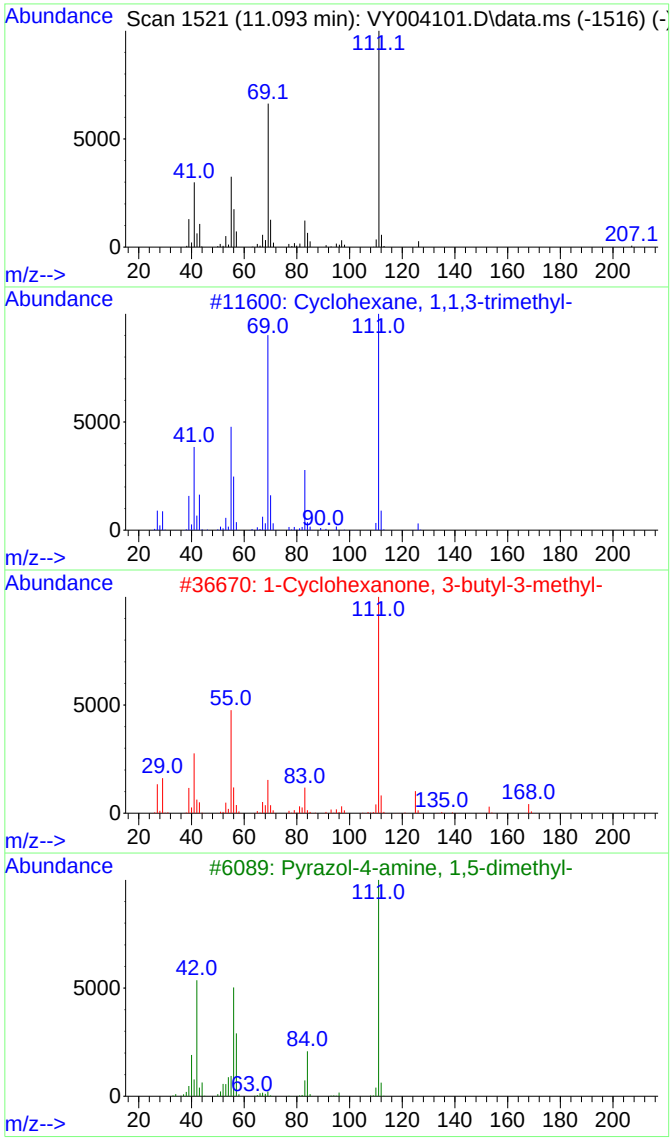
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030821S.M
Quant Title : SW846 8260

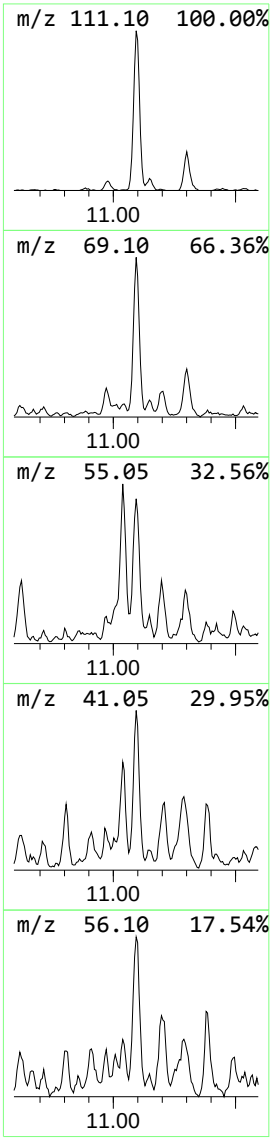
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Cyclohexane, 1,1,3-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.093	9.41 ug/l	152435	Chlorobenzene-d5	11.496

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	83
2	1-Cyclohexanone, 3-butyl-3-methyl-	168	C11H20O	051756-29-7	72
3	Pyrazol-4-amine, 1,5-dimethyl-	111	C5H9N3	121983-36-6	59
4	Acetamide, 2-fluoro-N-phenyl-	153	C8H8FNO	000330-68-7	59
5	4-Amino-6-hydroxypyrimidine	111	C4H5N3O	001193-22-2	59





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ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
UST1

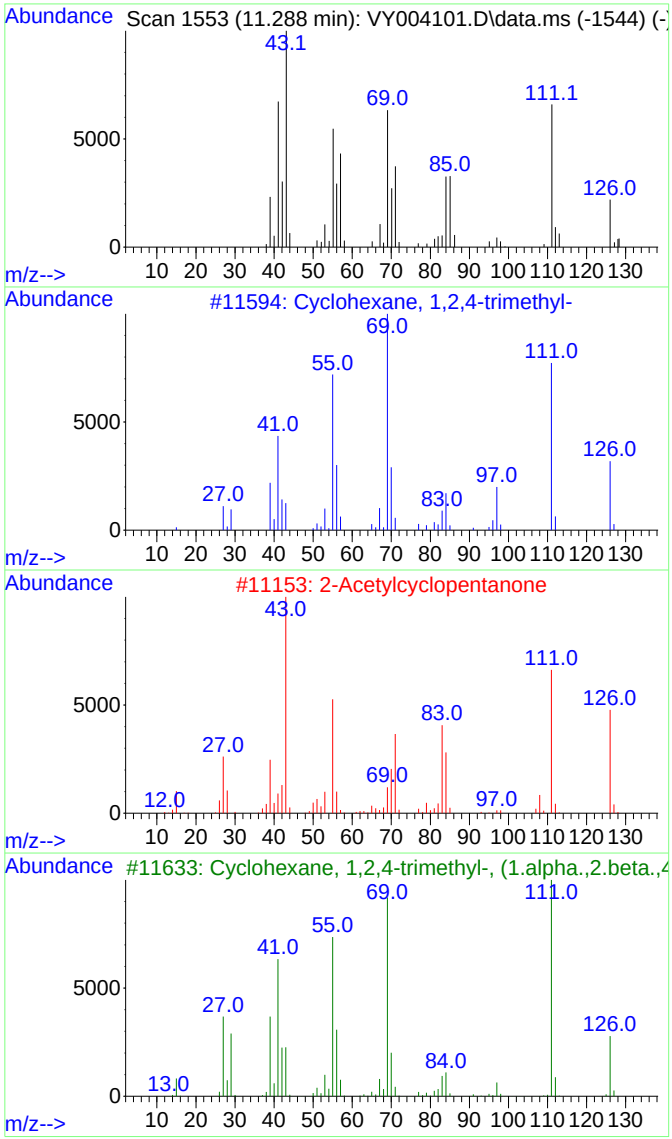
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030821S.M
Quant Title : SW846 8260

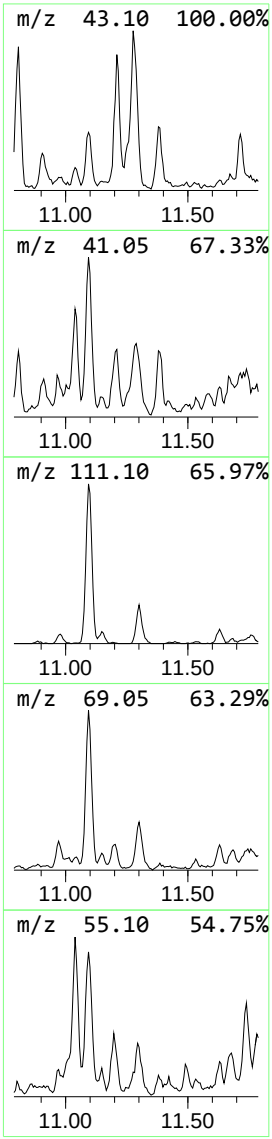
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Cyclohexane, 1,2,4-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.288	6.51 ug/l	105467	Chlorobenzene-d5	11.496

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	53
2	2-Acetylcyclopentanone	126	C7H10O2	001670-46-8	52
3	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	50
4	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	50
5	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031721\
Data File : VY004101.D
Acq On : 17 Mar 2021 14:24
Operator : SY/MD
Sample : M1681-37
Misc : 4.46g/5mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
UST1

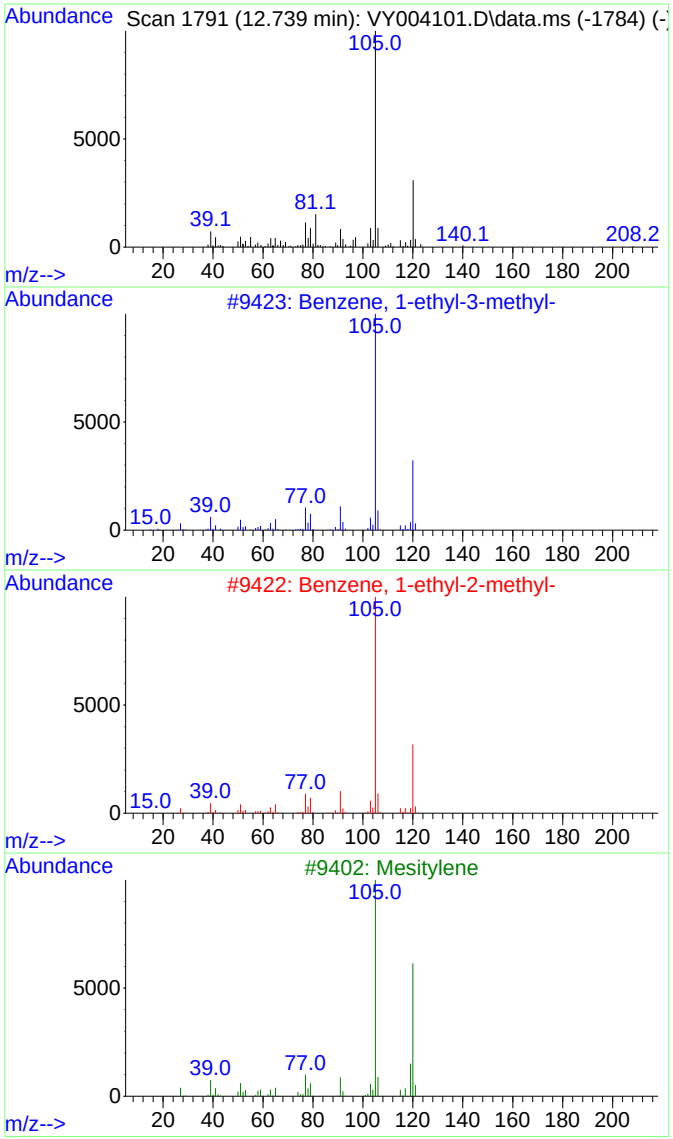
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030821S.M
Quant Title : SW846 8260

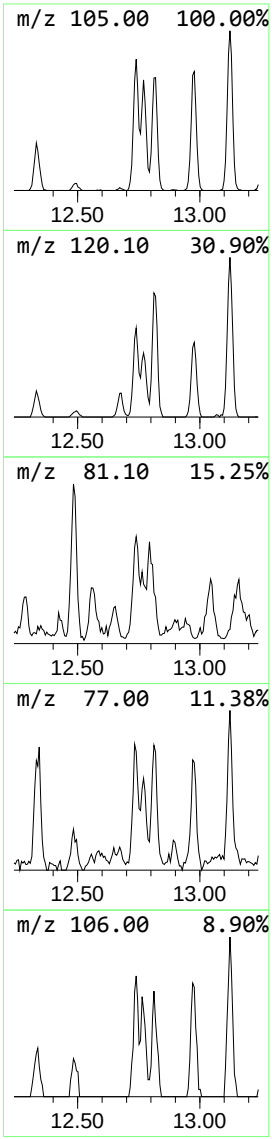
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Benzene, 1-ethyl-3-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.739	6.71 ug/l	85882	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	94
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3	Mesitylene	120	C9H12	000108-67-8	81
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	81
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	76





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031721\
Data File : VY004101.D
Acq On : 17 Mar 2021 14:24
Operator : SY/MD
Sample : M1681-37
Misc : 4.46g/5mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
UST1

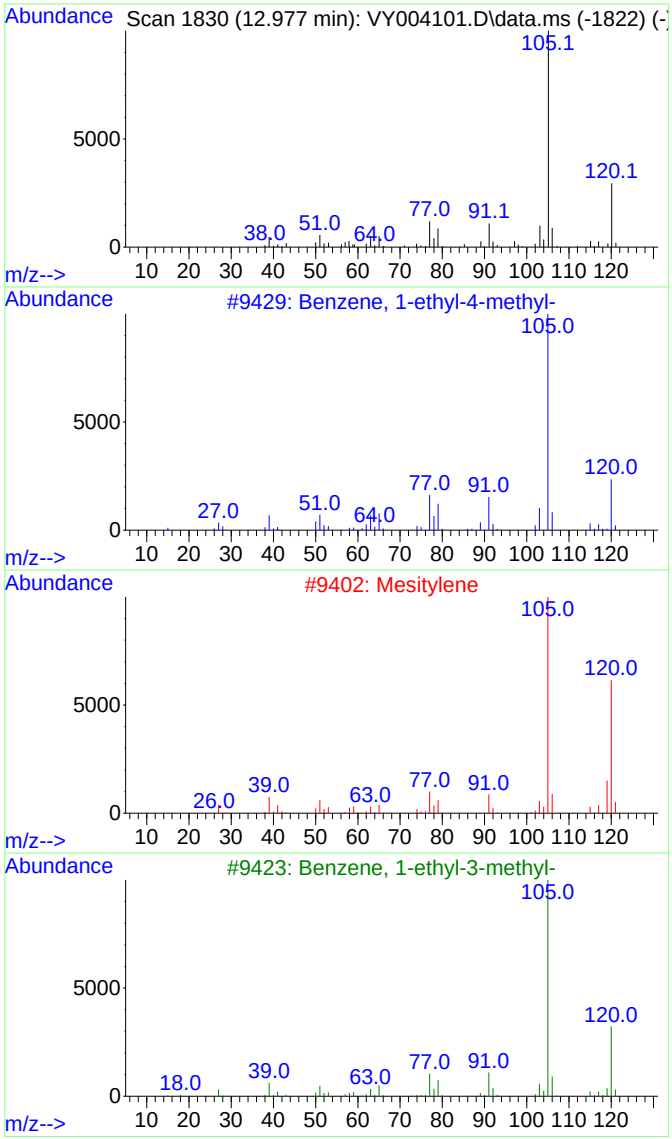
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030821S.M
Quant Title : SW846 8260

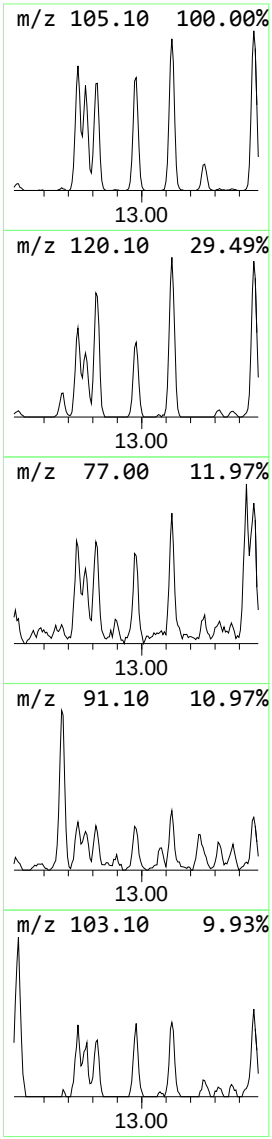
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.977	5.37 ug/l	68762	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
2	Mesitylene	120	C9H12	000108-67-8	91
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031721\
Data File : VY004101.D
Acq On : 17 Mar 2021 14:24
Operator : SY/MD
Sample : M1681-37
Misc : 4.46g/5mL/MSVOA_Y/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument : MSVOA_Y
ClientSampleId : UST1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030821S.M
Quant Title : SW846 8260

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Heptane, 2-methyl-	9.825	8.0	ug/l	117114	2	8.697	735678	50.0
Heptane, 3-methyl-	9.965	6.3	ug/l	92938	2	8.697	735678	50.0
Octane	10.374	10.3	ug/l	167420	3	11.496	810286	50.0
Cyclohexane, et...	11.038	5.4	ug/l	86874	3	11.496	810286	50.0
Cyclohexane, 1,...	11.093	9.4	ug/l	152435	3	11.496	810286	50.0
Cyclohexane, 1,...	11.288	6.5	ug/l	105467	3	11.496	810286	50.0
Benzene, 1-ethy...	12.739	6.7	ug/l	85882	4	13.428	640390	50.0
Benzene, 1-ethy...	12.977	5.4	ug/l	68762	4	13.428	640390	50.0