LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071224\
Data File : VY018794.D
Acq On : 12 Jul 2024 13:49
Operator : SY/MD
Sample : P3224-33
Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
356STEVEN-18

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\82Y070924S.M
Title : SW846 8260

Signal : TIC: VY018794.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.734	631	642	643	rBV5	6304	14094	1.64%	0.560%
2	7.709	959	966	970	rBV2	6766	15751	1.83%	0.626%
3	7.770	970	976	985	rVB4	15367	40140	4.67%	1.596%
4	8.148	1028	1038	1048	rBV4	29549	76680	8.92%	3.049%
5	8.538	1095	1102	1109	rBV2	12046	25752	2.99%	1.024%
6	8.685	1119	1126	1132	rBV2	19574	37403	4.35%	1.487%
7	9.173	1200	1206	1213	rBV3	13962	27959	3.25%	1.112%
8	9.819	1307	1312	1317	rBV8	8325	15315	1.78%	0.609%
9	9.953	1331	1334	1340	rBV8	6094	11820	1.37%	0.470%
10	10.178	1365	1371	1375	rBV	31000	53231	6.19%	2.117%
11	10.239	1375	1381	1388	rVB	162725	279133	32.46%	11.099%
12	10.367	1397	1402	1408	rVB3	23815	43247	5.03%	1.720%
13	11.489	1582	1586	1592	rVB	21315	37927	4.41%	1.508%
14	11.593	1598	1603	1609	rVB	51428	83130	9.67%	3.305%
15	11.696	1614	1620	1628	rVV	194648	358075	41.64%	14.238%
16	12.026	1669	1674	1678	rBV	78041	135106	15.71%	5.372%
17	12.733	1787	1790	1793	rBV	16823	25495	2.96%	1.014%
18	12.806	1799	1802	1808	rVB3	33775	52434	6.10%	2.085%
19	13.117	1850	1853	1857	rVB	30602	40363	4.69%	1.605%
20	13.397	1897	1899	1902	rBV3	18052	25293	2.94%	1.006%
21	14.245	2029	2038	2052	rVB2	258209	860032	100.00%	34.197%
22	14.928	2144	2150	2158	rVB4	46864	129036	15.00%	5.131%
23	15.232	2196	2200	2210	rVB	57363	127491	14.82%	5.069%

Sum of corrected areas: 2514907

LSC Report - Integrated Chromatogram

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071224\
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Operator : SY/MD
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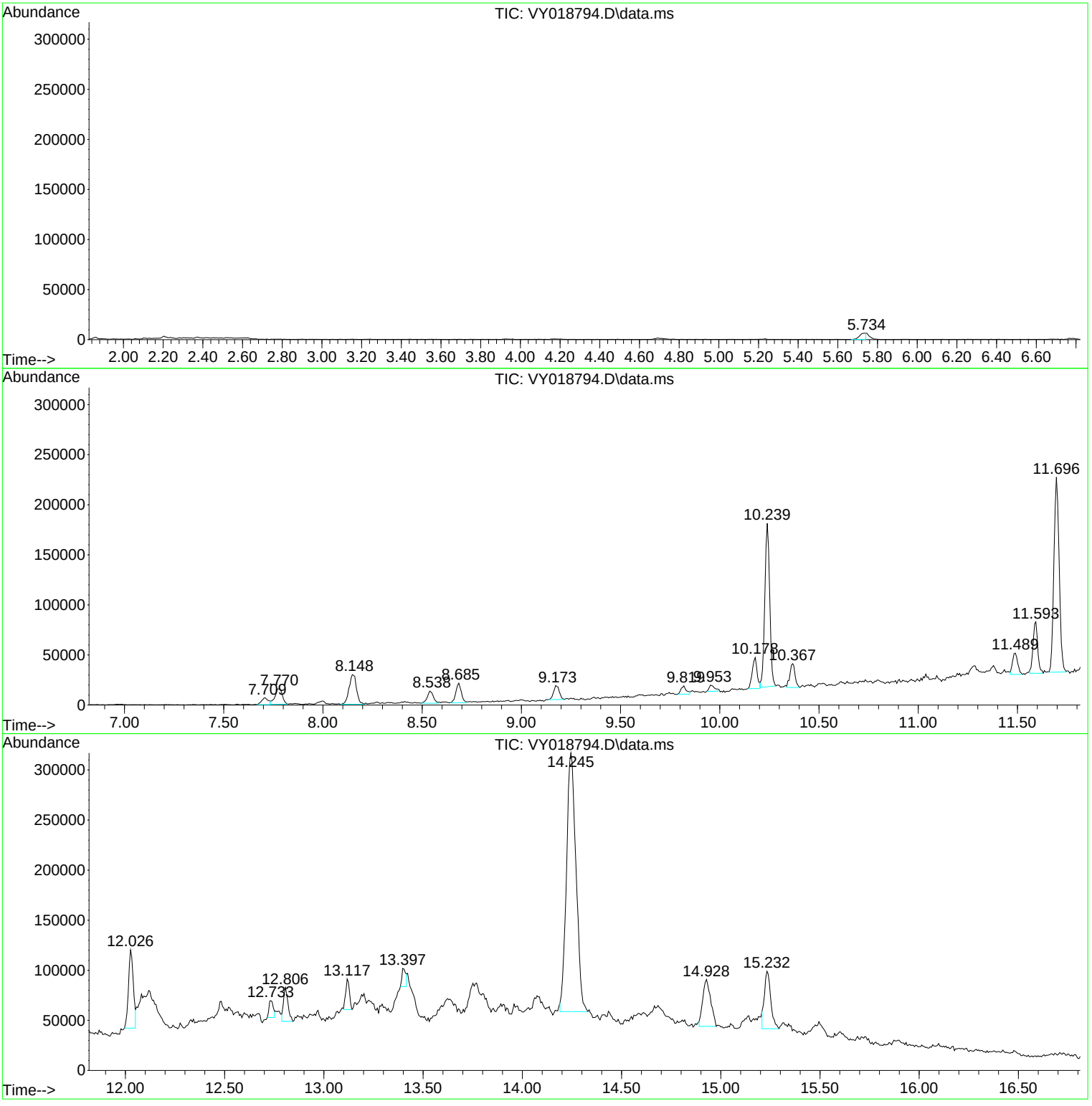
Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
356STEVEN-18

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070924S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071224\
Data File : VY018794.D
Acq On : 12 Jul 2024 13:49
Operator : SY/MD
Sample : P3224-33
Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
356STEVEN-18

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070924S.M
Quant Title : SW846 8260

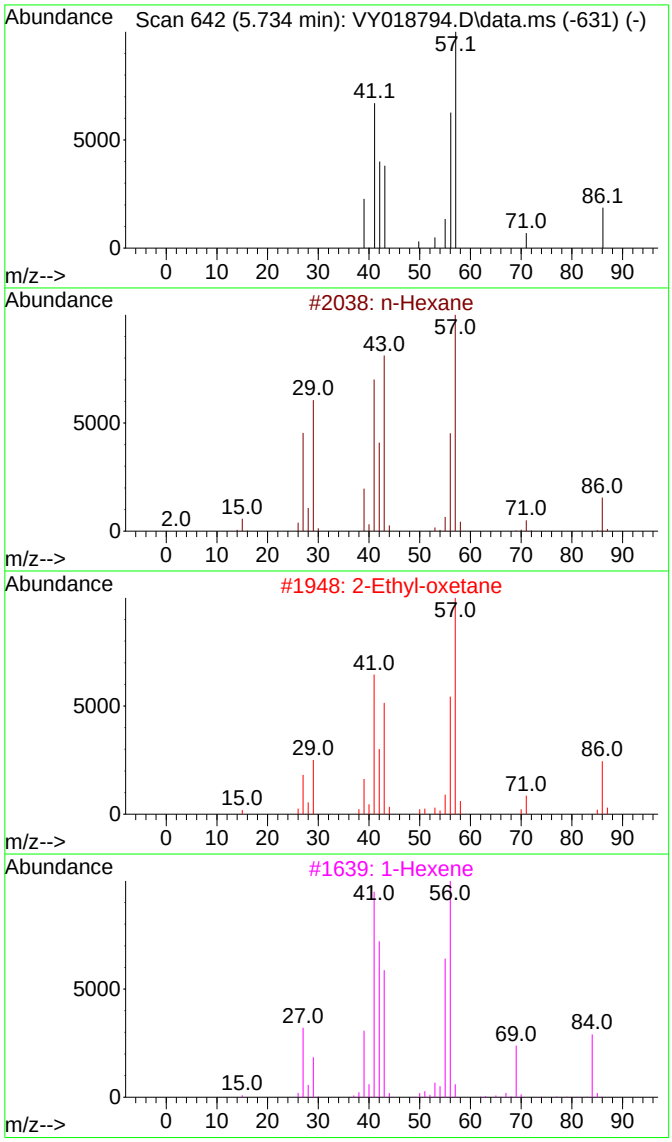
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

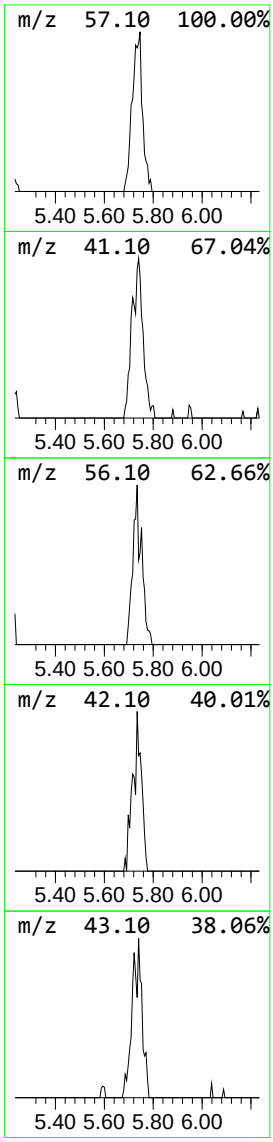
****

Peak Number 1 n-Hexane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.734	17.56 ug/l	14094	Pentafluorobenzene	7.783

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexane	86	C6H14	000110-54-3	78
2	2-Ethyl-oxetane	86	C5H10O	1010386-40-2	64
3	1-Hexene	84	C6H12	000592-41-6	38
4	Cyclobutane, butyl-	112	C8H16	013152-44-8	38
5	Furan, tetrahydro-3-methyl-	86	C5H10O	013423-15-9	9





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Data File : VY018794.D
Acq On : 12 Jul 2024 13:49
Operator : SY/MD
Sample : P3224-33
Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
356STEVEN-18

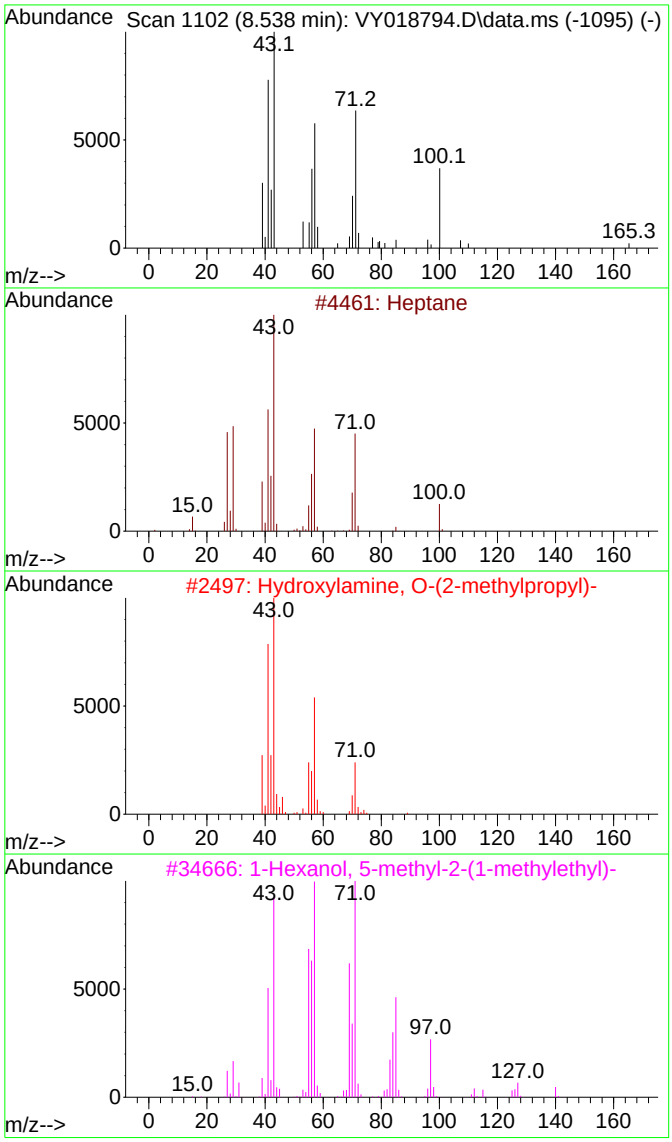
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070924S.M
Quant Title : SW846 8260

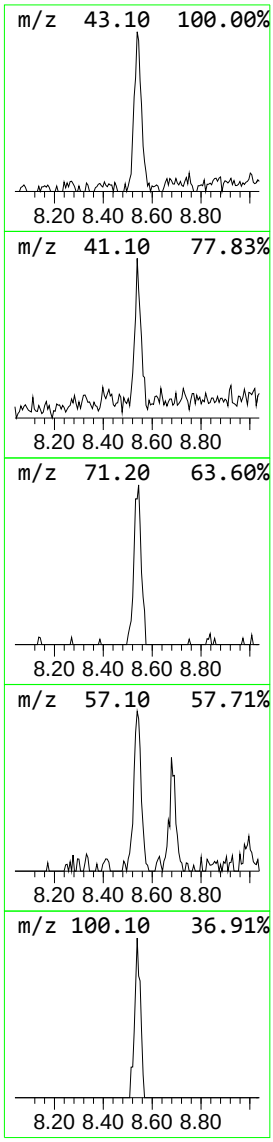
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Heptane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.538	34.42 ug/l	25752	1,4-Difluorobenzene	8.685

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	59
2	Hydroxylamine, O-(2-methylpropyl)-	89	C4H11NO	005618-62-2	53
3	1-Hexanol, 5-methyl-2-(1-methyle...	158	C10H22O	002051-33-4	47
4	Octane, 1,1'-oxybis-	242	C16H34O	000629-82-3	42
5	3-Hexanone	100	C6H12O	000589-38-8	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071224\
Data File : VY018794.D
Acq On : 12 Jul 2024 13:49
Operator : SY/MD
Sample : P3224-33
Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
356STEVEN-18

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070924S.M
Quant Title : SW846 8260

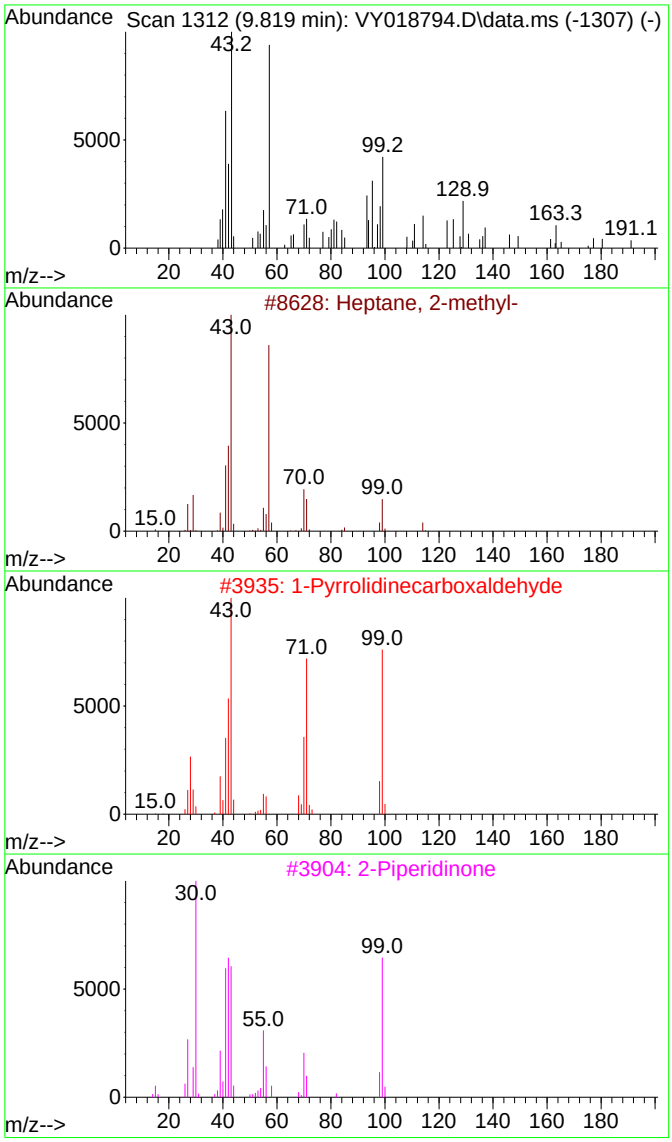
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

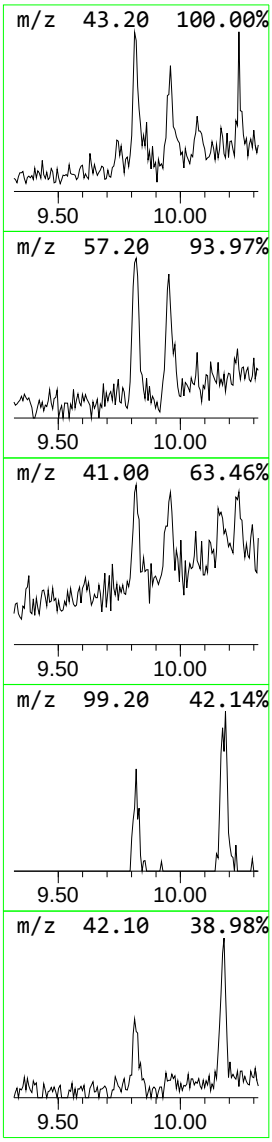
****

Peak Number 3 unknown9.819 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.819	20.47 ug/l	15315	1,4-Difluorobenzene	8.685

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	38
2	1-Pyrrolidinecarboxaldehyde	99	C5H9NO	003760-54-1	38
3	2-Piperidinone	99	C5H9NO	000675-20-7	35
4	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	35
5	2-Azacyclooctanone	127	C7H13NO	000673-66-5	32





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071224\
Data File : VY018794.D
Acq On : 12 Jul 2024 13:49
Operator : SY/MD
Sample : P3224-33
Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
356STEVEN-18

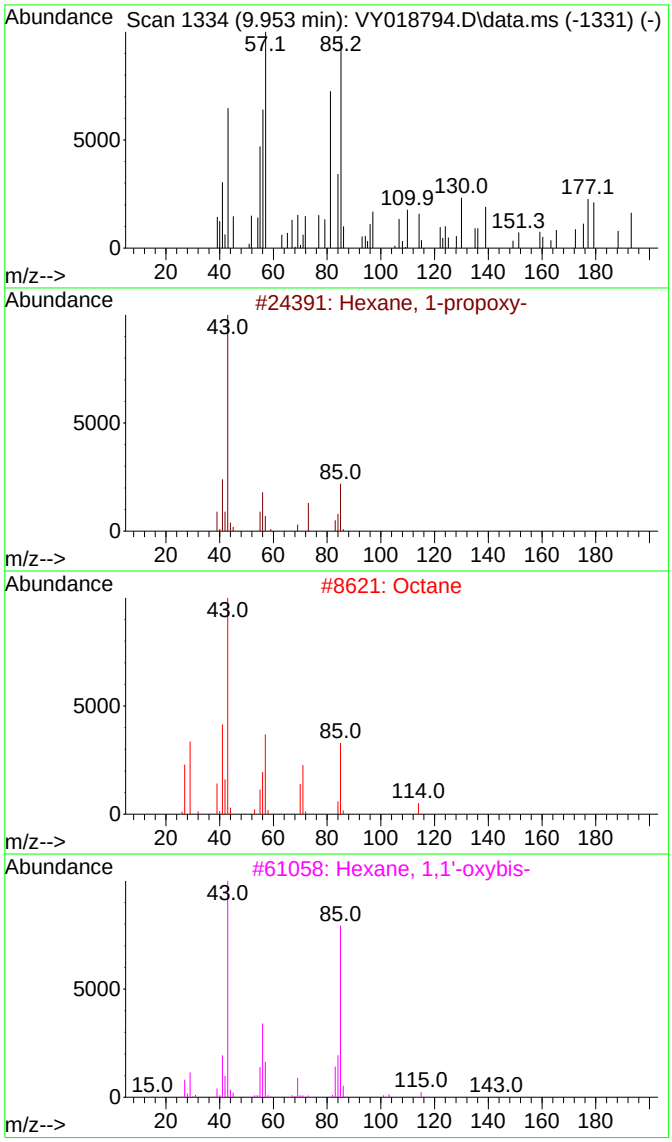
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070924S.M
Quant Title : SW846 8260

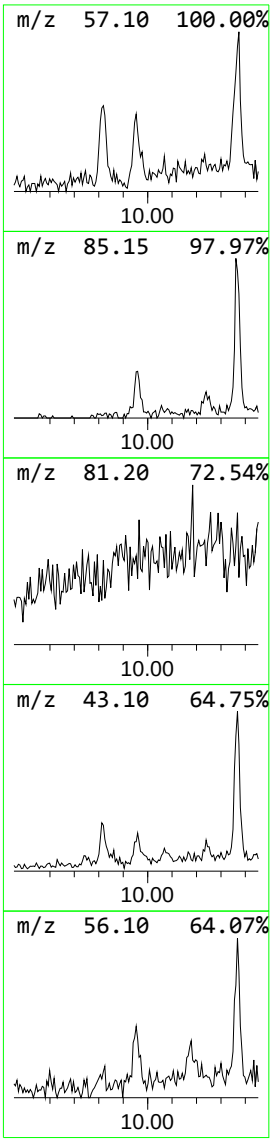
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 unknown9.953 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.953	15.80 ug/l	11820	1,4-Difluorobenzene	8.685

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 1-propoxy-	144	C9H20O	053685-78-2	43
2	Octane	114	C8H18	000111-65-9	43
3	Hexane, 1,1'-oxybis-	186	C12H26O	000112-58-3	32
4	1-Bromo-7-(tetrahydro-2-pyranylo...	278	C12H23BrO2	010160-25-5	25
5	Hexan-2-yl isobutyl carbonate	202	C11H22O3	1000372-75-5	25





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071224\
Data File : VY018794.D
Acq On : 12 Jul 2024 13:49
Operator : SY/MD
Sample : P3224-33
Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
356STEVEN-18

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070924S.M
Quant Title : SW846 8260

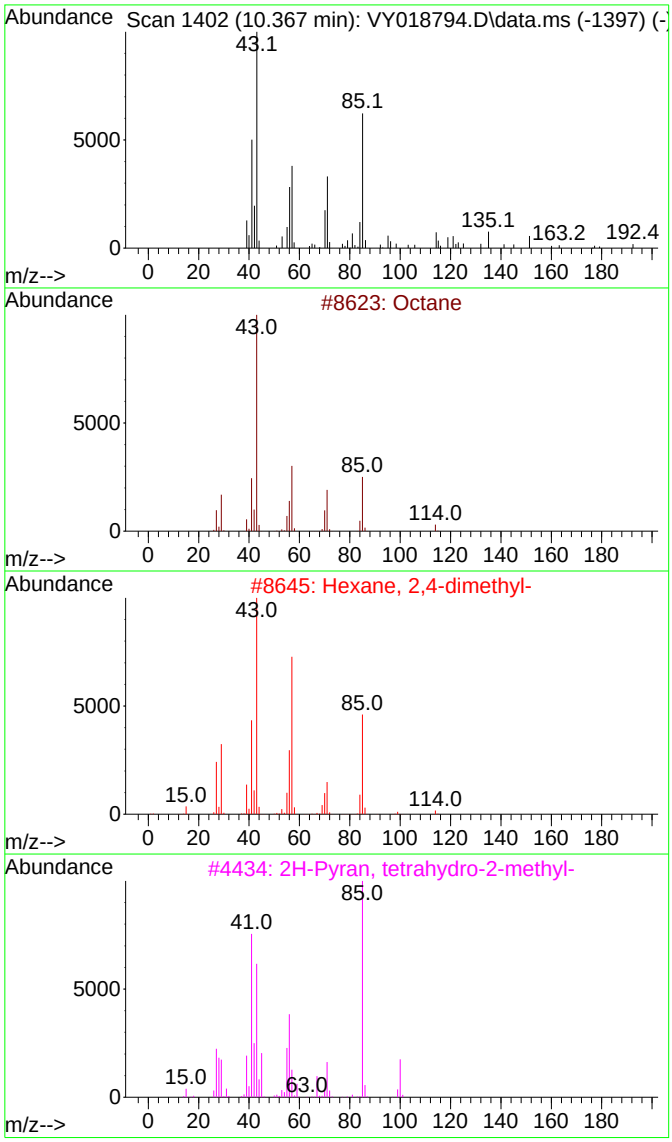
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

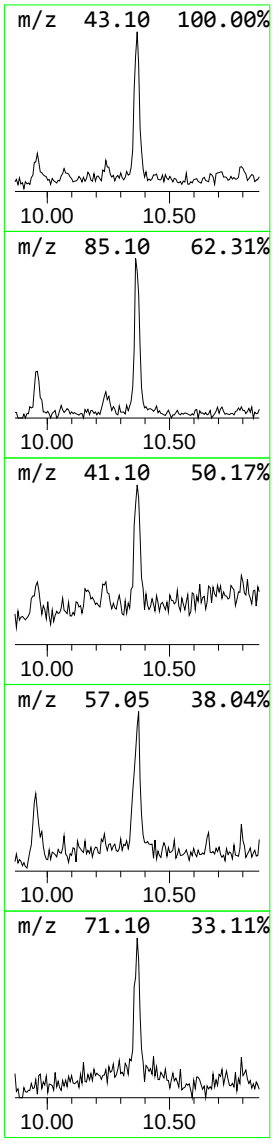
****

Peak Number 5 Octane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.367	57.01 ug/l	43247	Chlorobenzene-d5	11.489

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	83
2	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	53
3	2H-Pyran, tetrahydro-2-methyl-	100	C6H12O	010141-72-7	50
4	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	50
5	Hexane, 1,1'-oxybis-	186	C12H26O	000112-58-3	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071224\
Data File : VY018794.D
Acq On : 12 Jul 2024 13:49
Operator : SY/MD
Sample : P3224-33
Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
356STEVEN-18

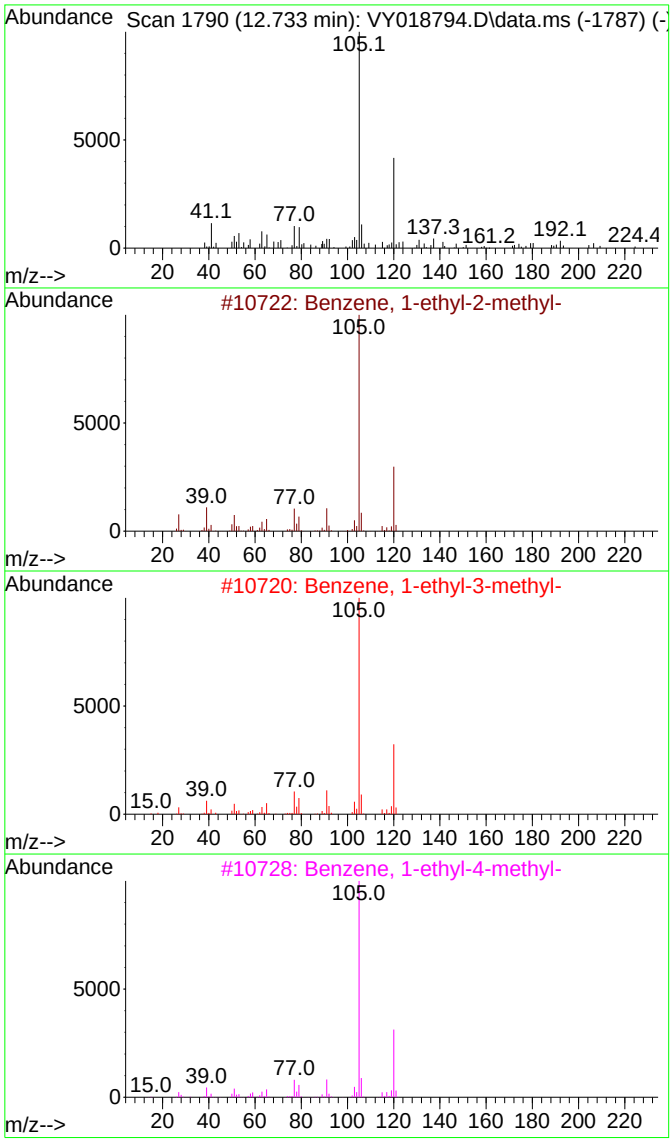
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070924S.M
Quant Title : SW846 8260

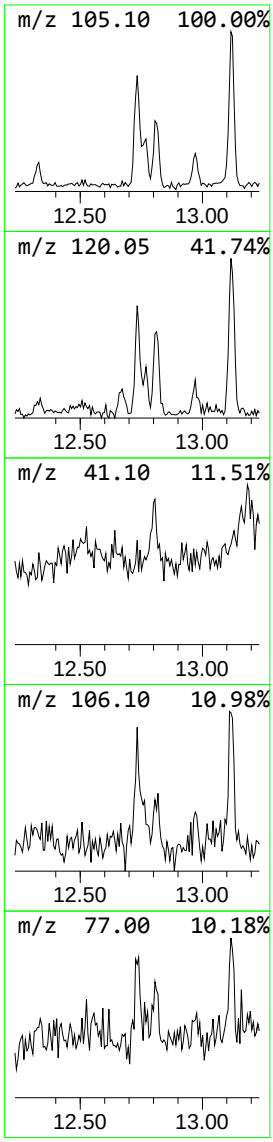
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Benzene, 1-ethyl-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.733	50.40 ug/l	25495	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	68
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	64
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	64
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	64
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	59





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Instrument :
MSVOA_Y
ClientSampleId :
356STEVEN-18

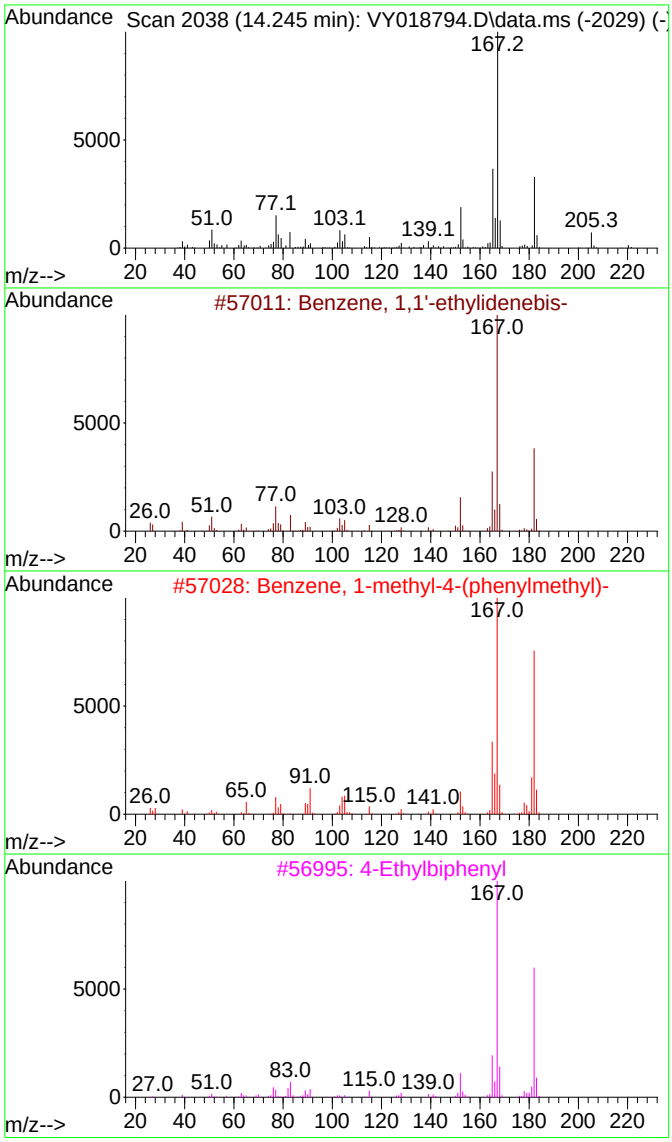
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070924S.M
Quant Title : SW846 8260

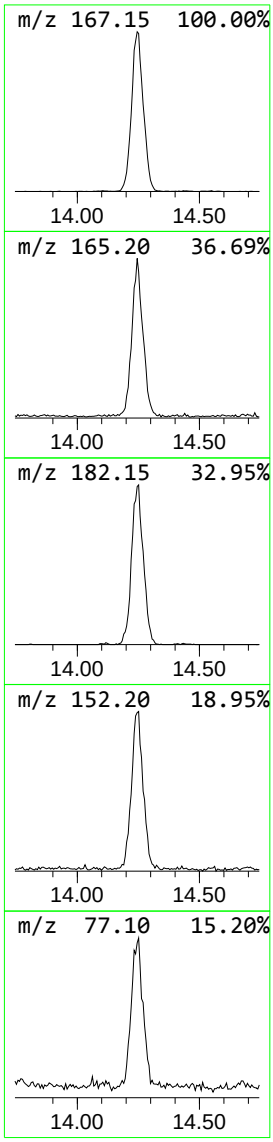
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Benzene, 1,1'-ethylidenebis- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.245	1700.14 ug/l	860032	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-ethylidenebis-	182	C14H14	000612-00-0	94
2	Benzene, 1-methyl-4-(phenylmethyl)-	182	C14H14	000620-83-7	87
3	4-Ethylbiphenyl	182	C14H14	005707-44-8	87
4	Adrafinil	289	C15H15NO3S	063547-13-7	68
5	Gallacetophenone-4'-methylether	182	C9H10O4	000708-53-2	68





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MSVOA_Y
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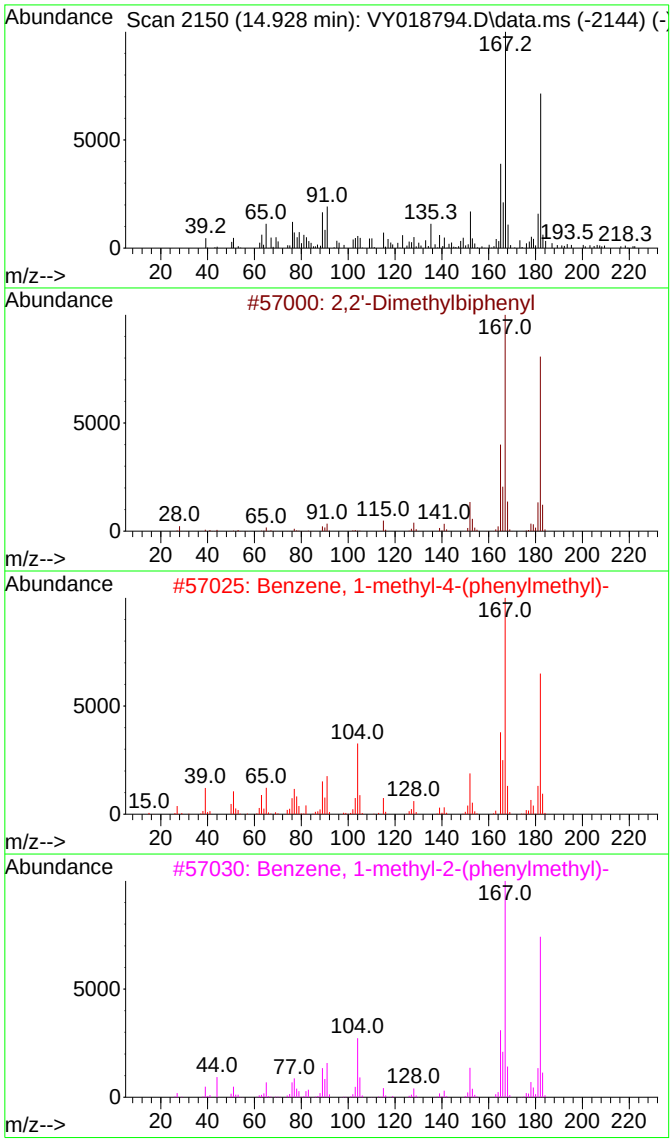
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070924S.M
Quant Title : SW846 8260

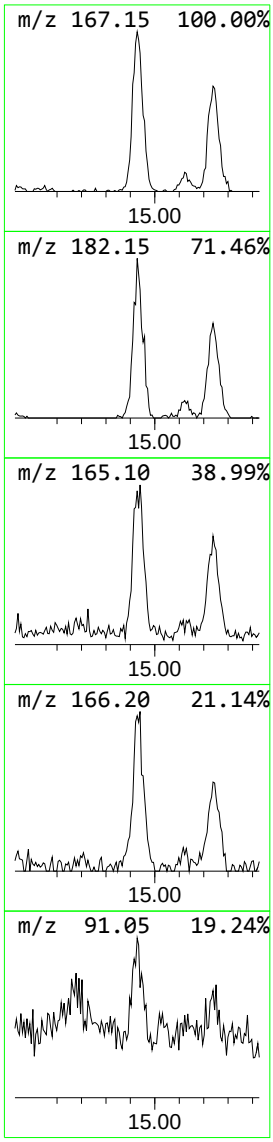
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 2,2'-Dimethylbiphenyl Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.928	255.08 ug/l	129036	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2'-Dimethylbiphenyl	182	C14H14	000605-39-0	93
2	Benzene, 1-methyl-4-(phenylmethyl)-	182	C14H14	000620-83-7	93
3	Benzene, 1-methyl-2-(phenylmethyl)-	182	C14H14	000713-36-0	91
4	1,1'-Biphenyl, 2,4'-dimethyl-	182	C14H14	000611-61-0	90
5	Benzene, 1-methyl-3-(phenylmethyl)-	182	C14H14	000620-47-3	87





Tentatively Identified Compound (LSC) summary

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Data File : VY018794.D
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356STEVEN-18

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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
n-Hexane	5.734	17.6	ug/l	14094	1	7.783	40140	50.0
Heptane	8.538	34.4	ug/l	25752	2	8.685	37403	50.0
unknown9.819	9.819	20.5	ug/l	15315	2	8.685	37403	50.0
unknown9.953	9.953	15.8	ug/l	11820	2	8.685	37403	50.0
Octane	10.367	57.0	ug/l	43247	3	11.489	37927	50.0
Benzene, 1-ethy...	12.733	50.4	ug/l	25495	4	13.428	25293	50.0
Benzene, 1,1'-e...	14.245	1700.1	ug/l	860032	4	13.428	25293	50.0
2,2'-Dimethylbi...	14.928	255.1	ug/l	129036	4	13.428	25293	50.0