LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012224\
Data File : VY017080.D
Acq On : 22 Jan 2024 17:39
Operator : SY/MD
Sample : P1218-04
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
133

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\82Y010224S.M
Title : SW846 8260

Signal : TIC: VY017080.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.966	340	352	386	rBV	8077668	21112508	32.66%	12.256%
2	4.911	487	507	534	rVB3	197946	998794	1.54%	0.580%
3	7.557	925	941	958	rBV	1234724	3531896	5.46%	2.050%
4	7.795	962	980	989	rBV	24941232	64649326	100.00%	37.529%
5	7.905	989	998	1008	rVB	8919685	20384494	31.53%	11.833%
6	8.295	1050	1062	1070	rBV2	5988717	13846485	21.42%	8.038%
7	8.374	1070	1075	1081	rVV2	1747271	3890874	6.02%	2.259%
8	8.441	1081	1086	1098	rVB	2147869	4785598	7.40%	2.778%
9	9.027	1175	1182	1196	rVB	856450	1685543	2.61%	0.978%
10	9.209	1196	1212	1217	rBV	5363712	12852330	19.88%	7.461%
11	9.264	1217	1221	1230	rVV	1336706	2529800	3.91%	1.469%
12	9.392	1230	1242	1248	rVV	1726599	3210300	4.97%	1.864%
13	10.264	1379	1385	1392	rVB	604995	1029451	1.59%	0.598%
14	10.386	1398	1405	1411	rBV	463252	744429	1.15%	0.432%
15	11.294	1547	1554	1565	rVB3	426130	891403	1.38%	0.517%
16	11.727	1614	1625	1634	rBV2	2739753	5003887	7.74%	2.905%
17	12.044	1666	1677	1685	rBV3	668025	1515414	2.34%	0.880%
18	12.142	1685	1693	1697	rVB	429493	648233	1.00%	0.376%
19	12.258	1708	1712	1718	rVB4	438426	837009	1.29%	0.486%
20	12.428	1730	1740	1743	rBV3	369379	910971	1.41%	0.529%
21	12.752	1787	1793	1796	rBV	601688	963842	1.49%	0.560%
22	12.825	1800	1805	1811	rVB	2114957	3276507	5.07%	1.902%
23	12.989	1825	1832	1839	rBV	411804	842046	1.30%	0.489%
24	13.136	1850	1856	1861	rBV	701179	1086599	1.68%	0.631%
25	13.770	1955	1960	1965	rBV	732130	1037387	1.60%	0.602%

Sum of corrected areas: 172265126

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012224\
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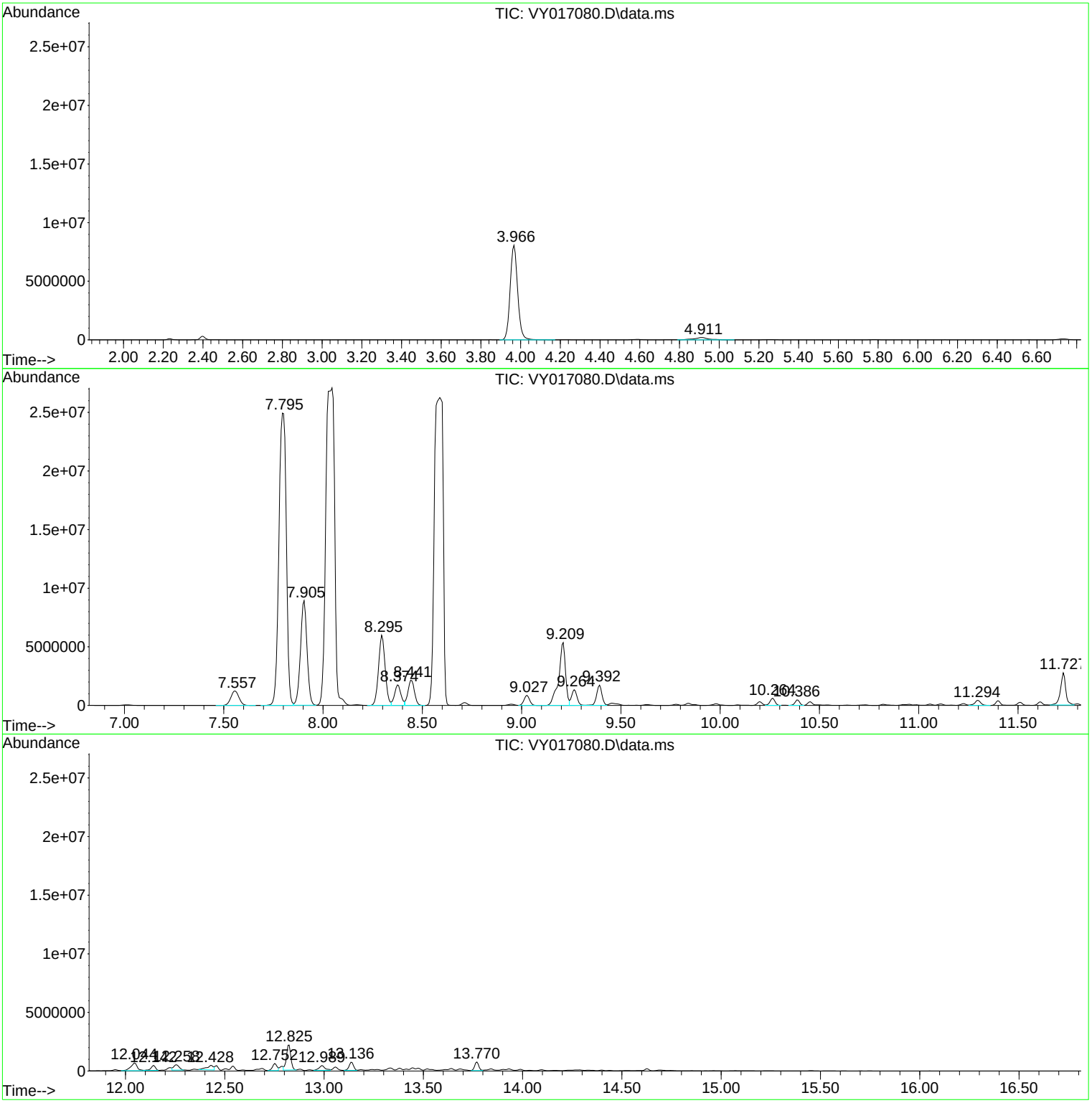
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
133

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010224S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012224\
Data File : VY017080.D
Acq On : 22 Jan 2024 17:39
Operator : SY/MD
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Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
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Instrument :
MSVOA_Y
ClientSampleId :
133

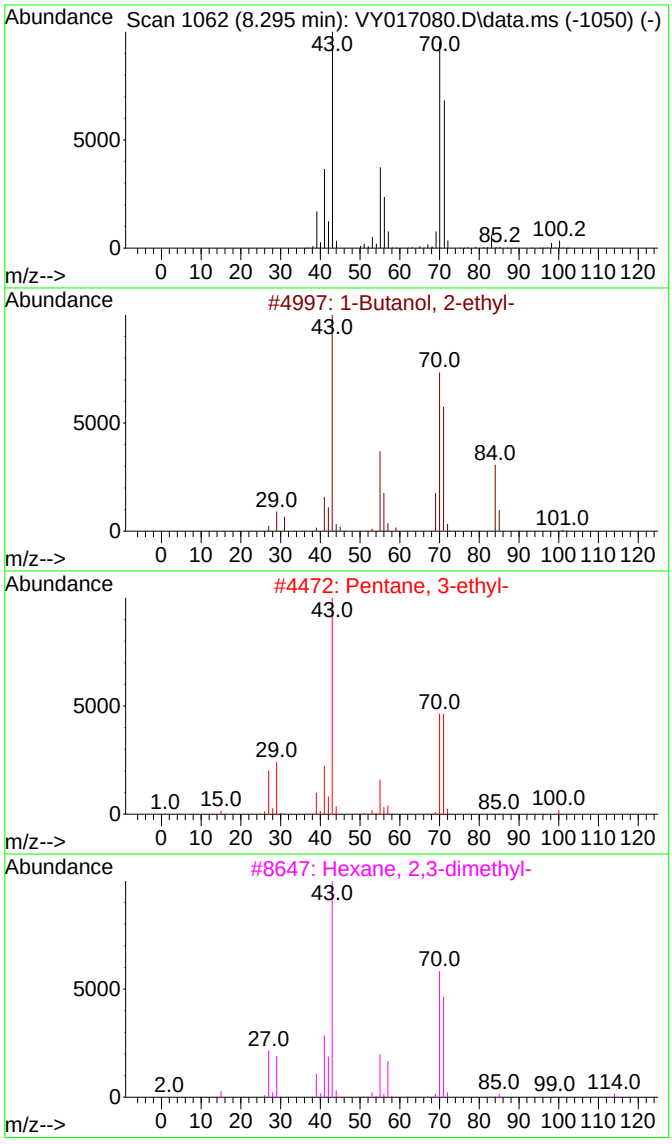
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010224S.M
Quant Title : SW846 8260

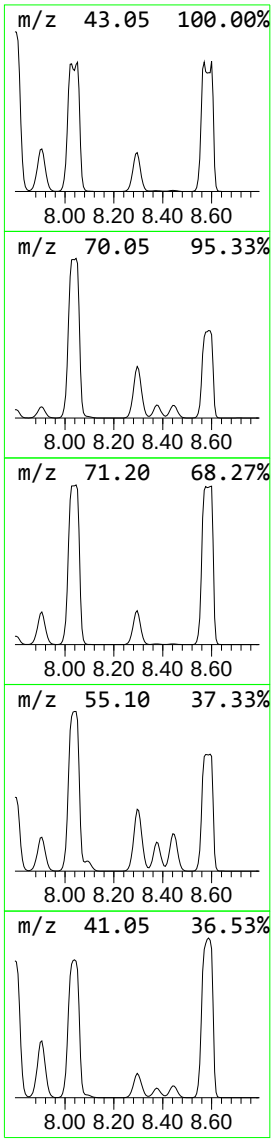
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 1-Butanol, 2-ethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.295	144.67 ug/l	13846500	1,4-Difluorobenzene	8.716

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butanol, 2-ethyl-	102	C6H14O	000097-95-0	78
2	Pentane, 3-ethyl-	100	C7H16	000617-78-7	59
3	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	59
4	Diisoamyl ether	158	C10H22O	000544-01-4	50
5	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	45





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012224\
Data File : VY017080.D
Acq On : 22 Jan 2024 17:39
Operator : SY/MD
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Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
133

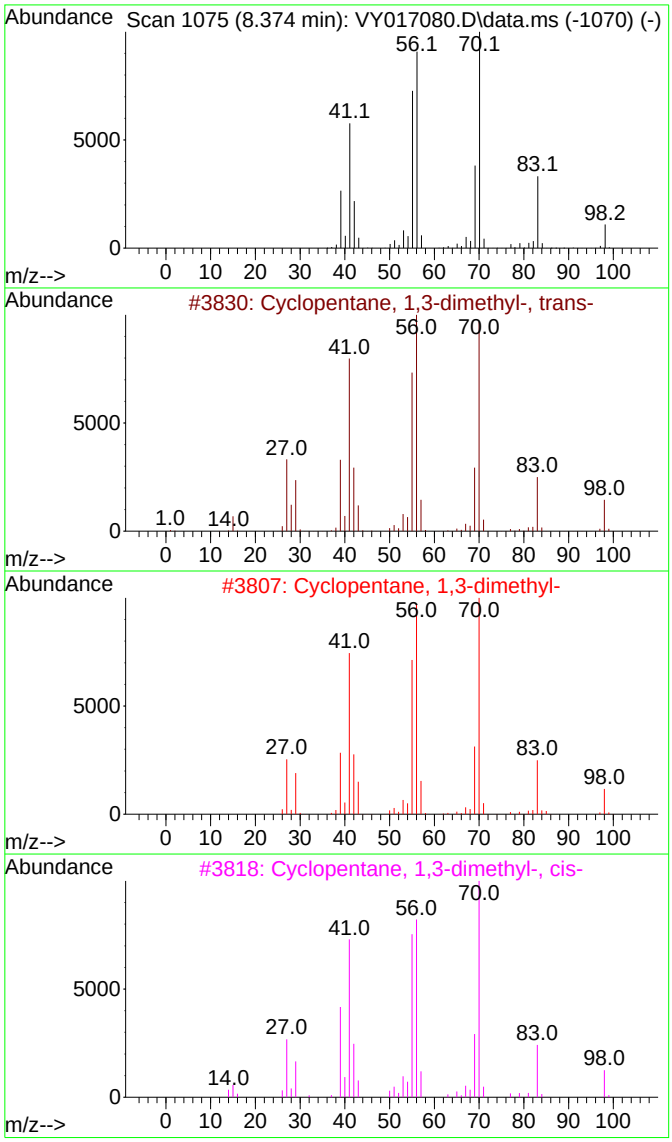
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010224S.M
Quant Title : SW846 8260

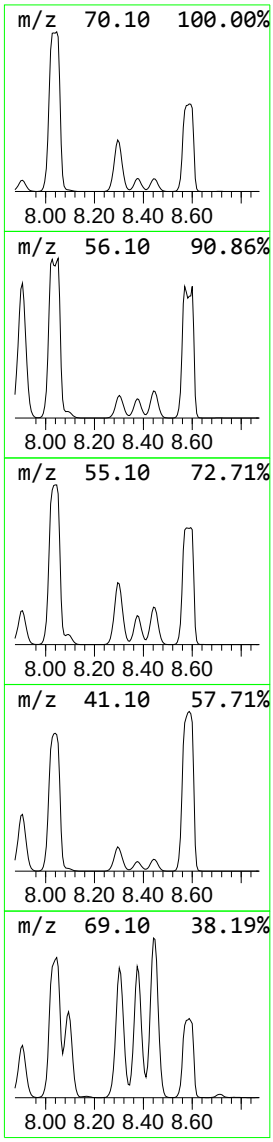
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Cyclopentane, 1,3-dimethyl-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.374	40.65 ug/l	3890870	1,4-Difluorobenzene	8.716

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	91
2	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	91
3	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	91
4	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	87
5	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012224\
Data File : VY017080.D
Acq On : 22 Jan 2024 17:39
Operator : SY/MD
Sample : P1218-04
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
133

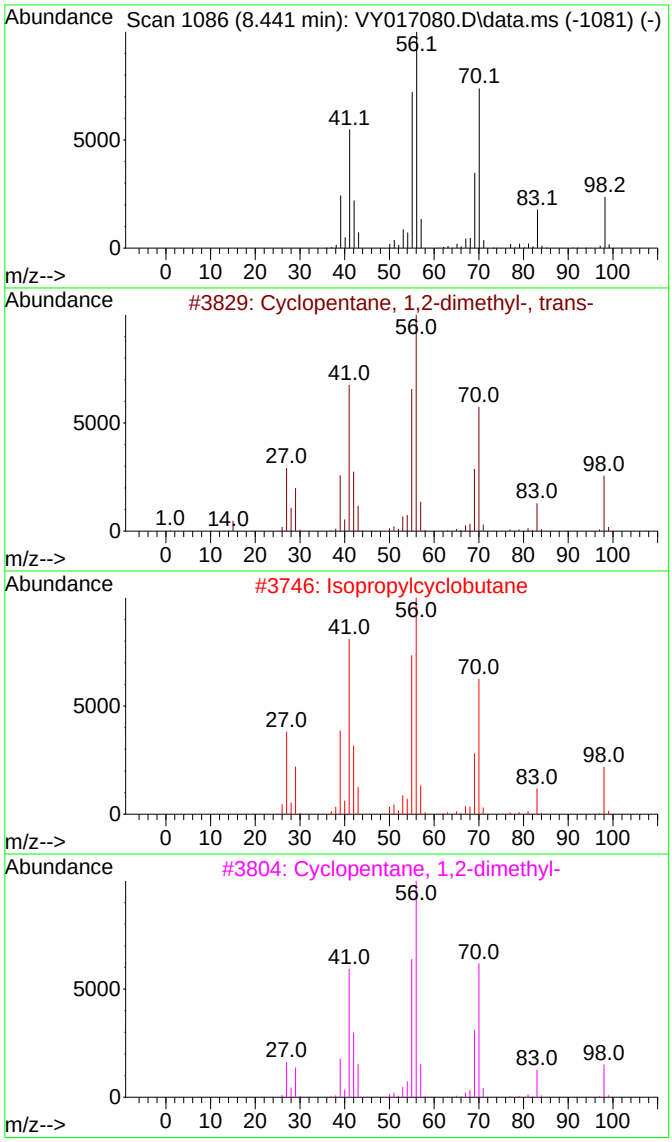
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010224S.M
Quant Title : SW846 8260

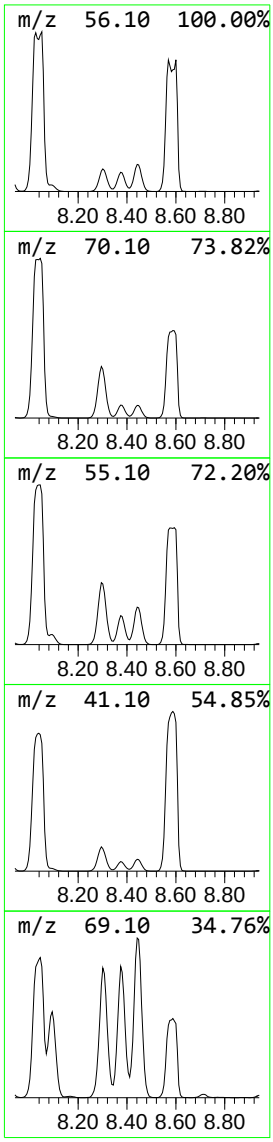
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Cyclopentane, 1,2-dimethyl-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.441	50.00 ug/l	4785600	1,4-Difluorobenzene	8.716

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	94
2	Isopropylcyclobutane	98	C7H14	000872-56-0	94
3	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	90
4	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	86
5	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012224\
Data File : VY017080.D
Acq On : 22 Jan 2024 17:39
Operator : SY/MD
Sample : P1218-04
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
133

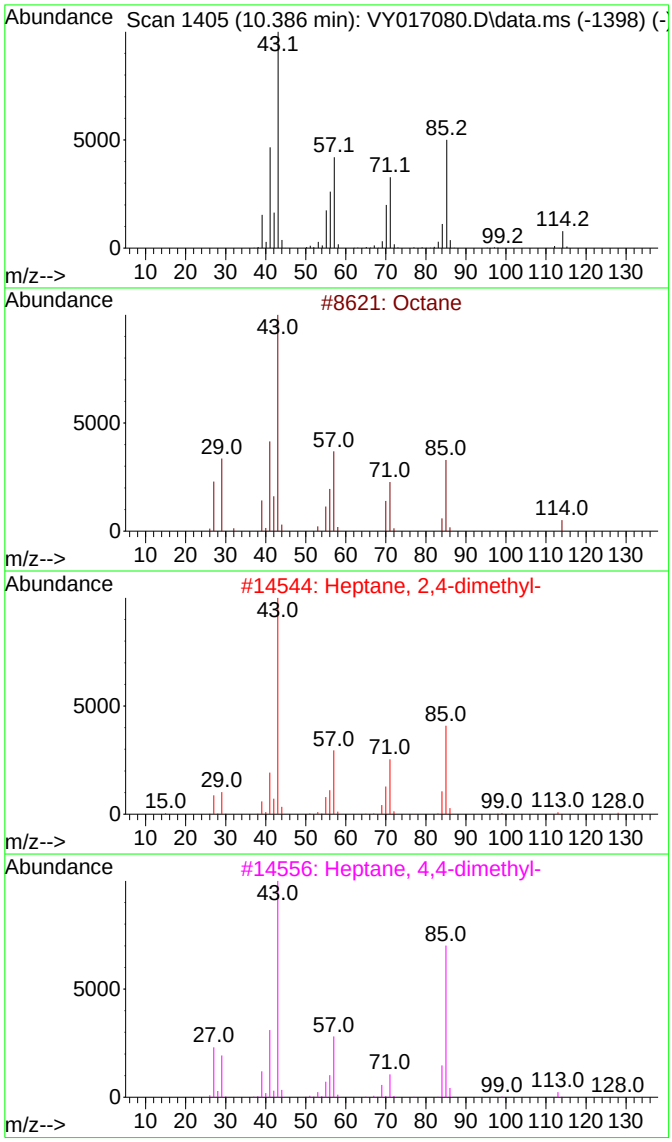
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010224S.M
Quant Title : SW846 8260

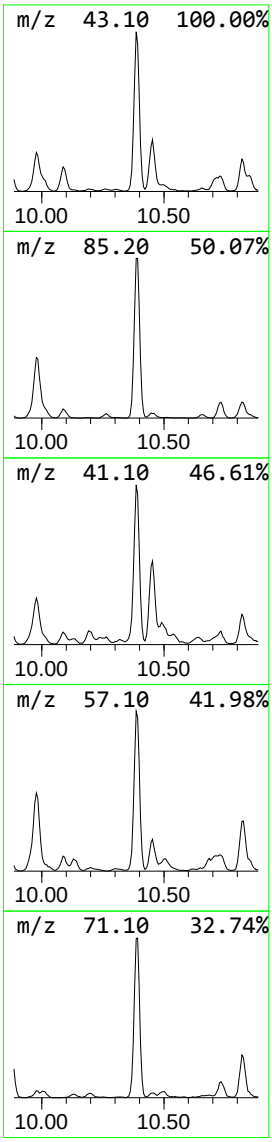
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Octane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.386	41.76 ug/l	744429	Chlorobenzene-d5	11.508

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	94
2	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	72
3	Heptane, 4,4-dimethyl-	128	C9H20	001068-19-5	50
4	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	47
5	1-Pentanol, 2-methyl-	102	C6H14O	000105-30-6	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012224\
Data File : VY017080.D
Acq On : 22 Jan 2024 17:39
Operator : SY/MD
Sample : P1218-04
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
133

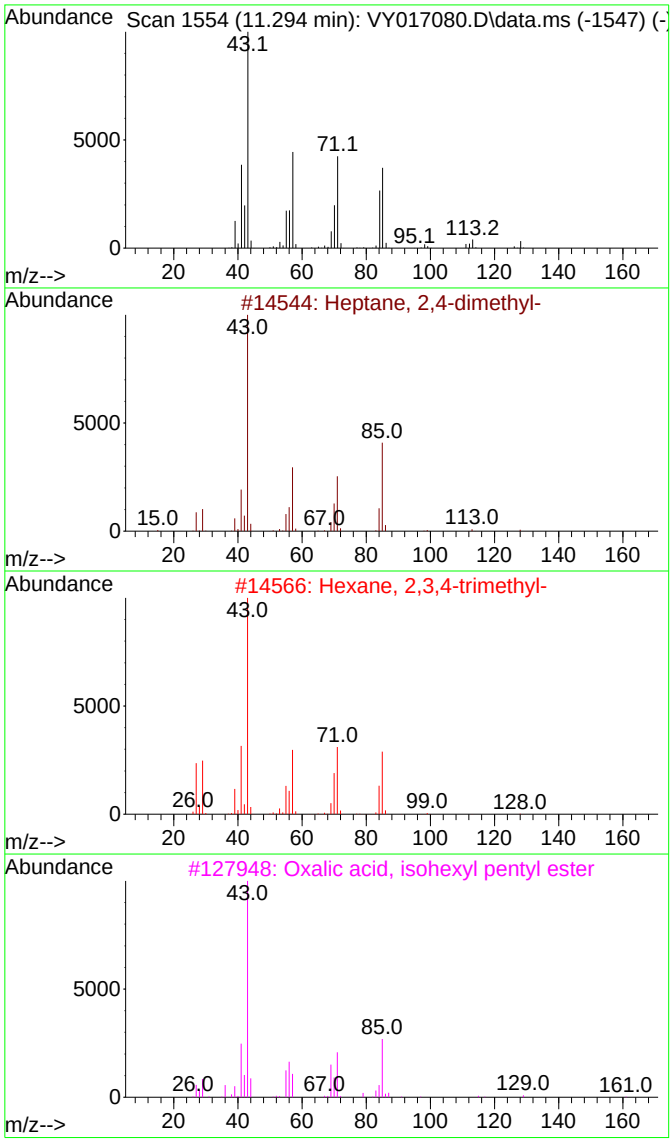
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010224S.M
Quant Title : SW846 8260

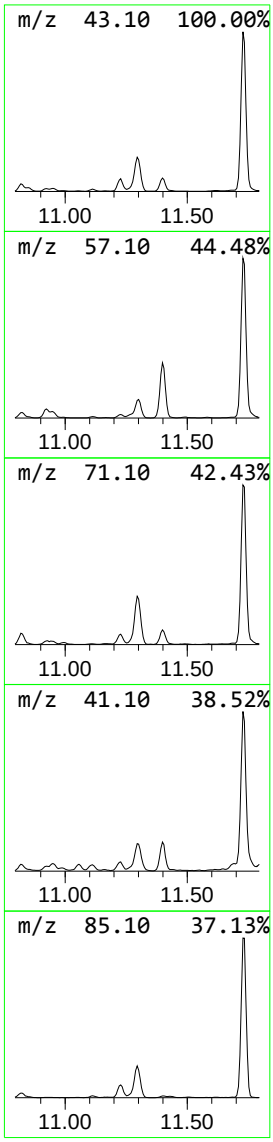
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Heptane, 2,4-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.294	50.00 ug/l	891403	Chlorobenzene-d5	11.508

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	72
2	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	64
3	Oxalic acid, isohexyl pentyl ester	244	C13H24O4	1000309-32-8	59
4	Hexane, 3-ethyl-	114	C8H18	000619-99-8	59
5	Dichloroacetic acid, 4-methylpen...	212	C8H14Cl2O2	1000282-43-7	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012224\
Data File : VY017080.D
Acq On : 22 Jan 2024 17:39
Operator : SY/MD
Sample : P1218-04
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
133

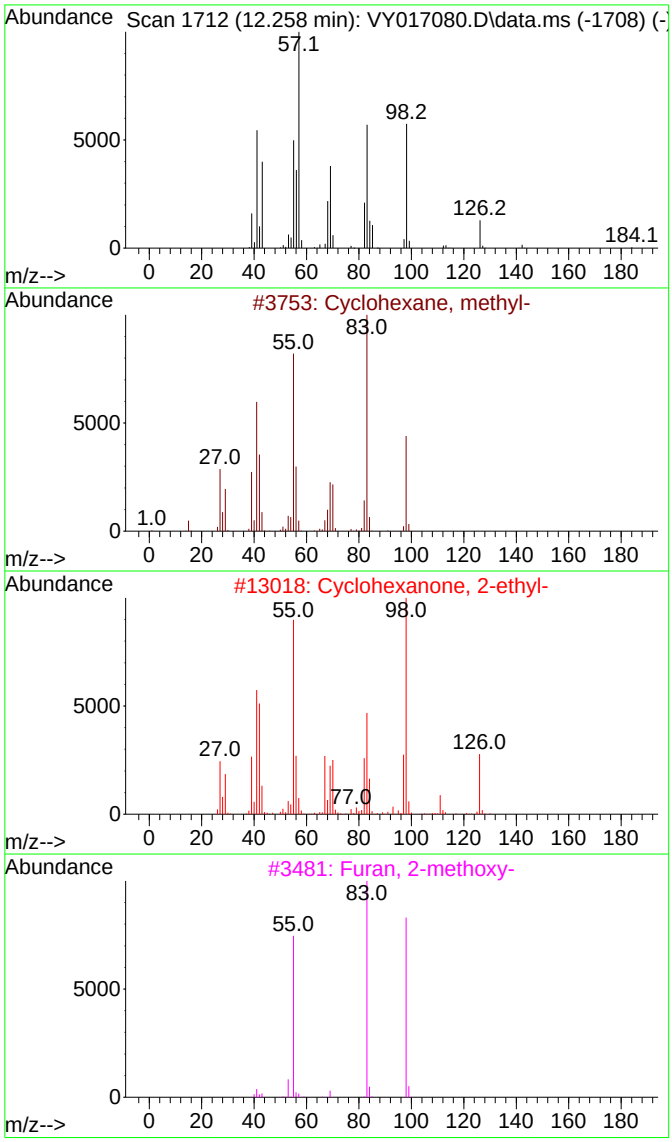
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010224S.M
Quant Title : SW846 8260

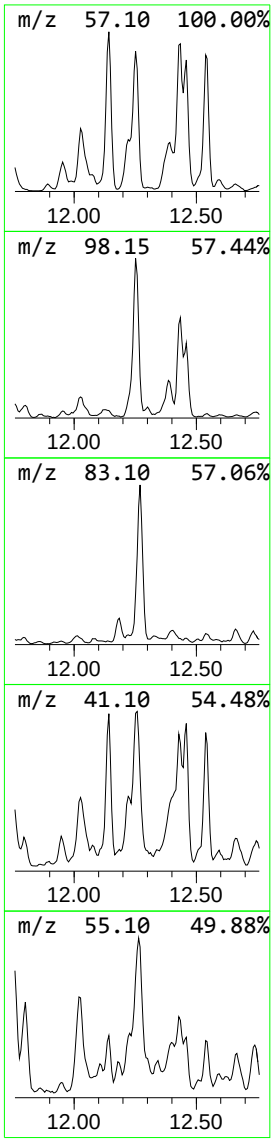
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 unknown12.258 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.258	46.95 ug/l	837009	Chlorobenzene-d5	11.508

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, methyl-	98	C7H14	000108-87-2	43
2	Cyclohexanone, 2-ethyl-	126	C8H14O	004423-94-3	38
3	Furan, 2-methoxy-	98	C5H6O2	025414-22-6	38
4	Silacyclobut-2-ene, 1,1-dimethyl-	98	C5H10Si	066222-35-3	35
5	Heptane, 3-ethyl-2-methyl-	142	C10H22	014676-29-0	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012224\
Data File : VY017080.D
Acq On : 22 Jan 2024 17:39
Operator : SY/MD
Sample : P1218-04
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
133

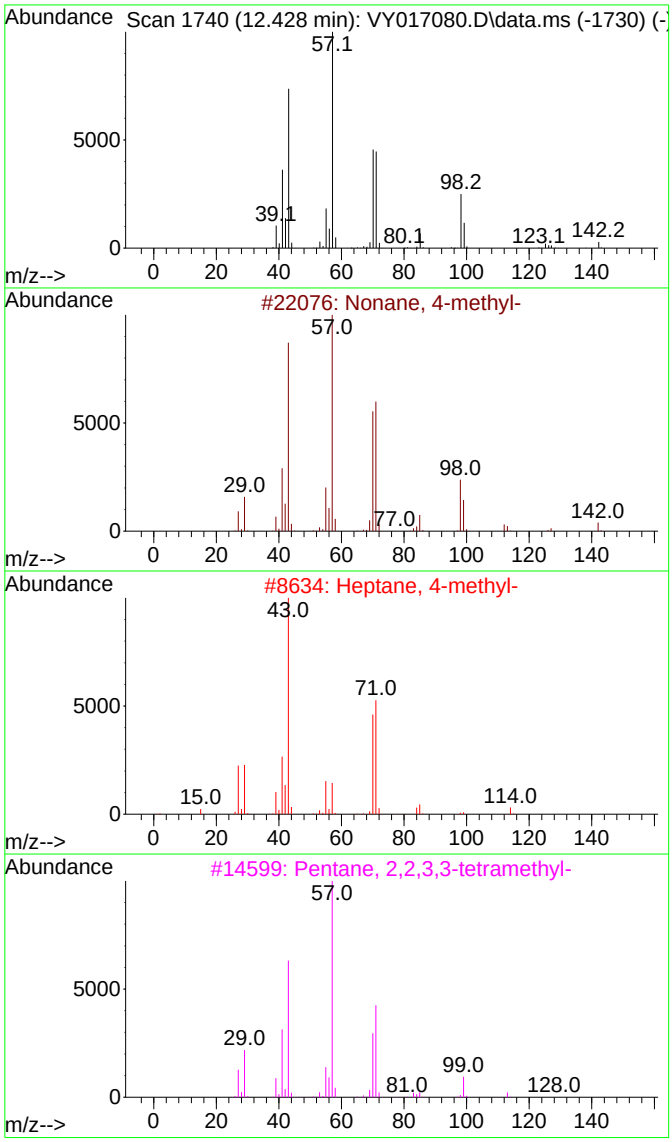
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010224S.M
Quant Title : SW846 8260

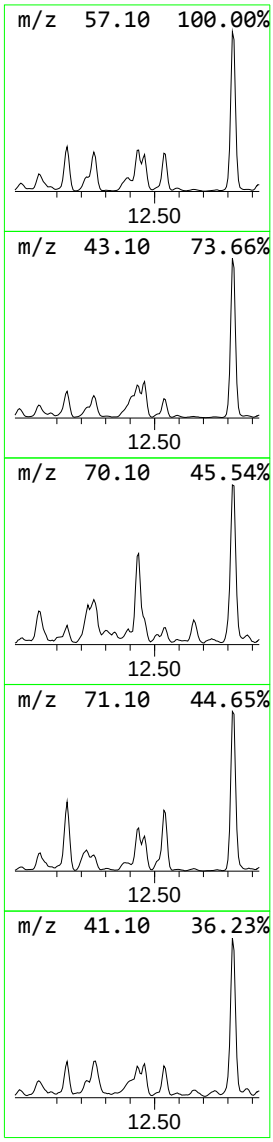
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Nonane, 4-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.428	51.10 ug/l	910971	Chlorobenzene-d5	11.508

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 4-methyl-	142	C10H22	017301-94-9	91
2	Heptane, 4-methyl-	114	C8H18	000589-53-7	53
3	Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	53
4	Hexane, 3-methyl-	100	C7H16	000589-34-4	53
5	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	53





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012224\
Data File : VY017080.D
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Operator : SY/MD
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Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
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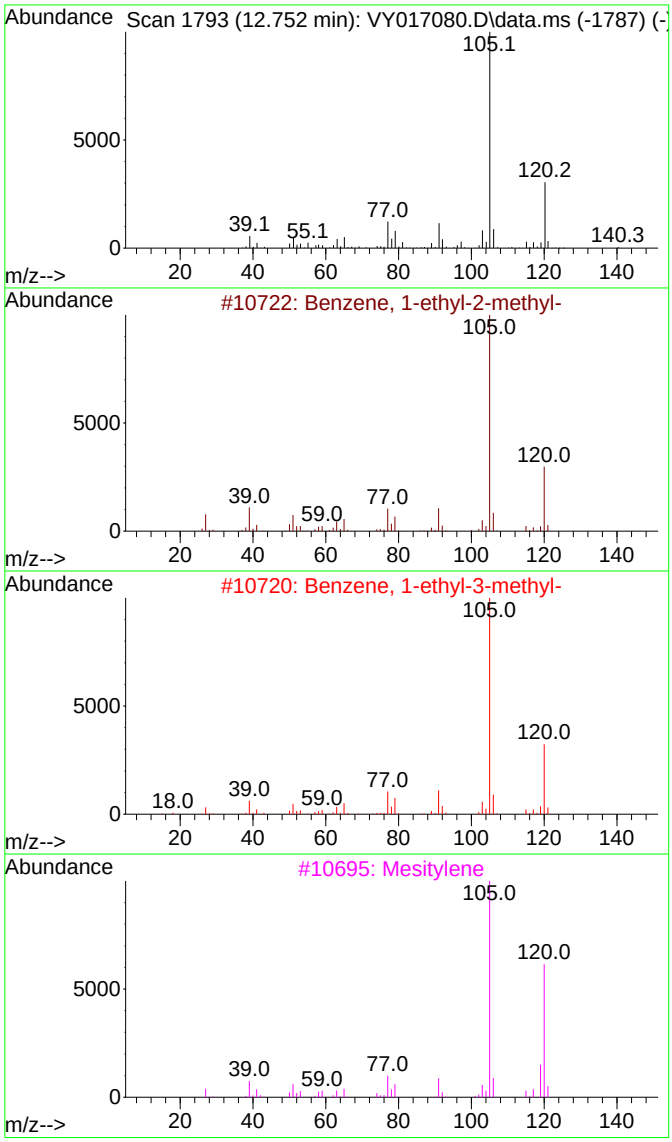
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010224S.M
Quant Title : SW846 8260

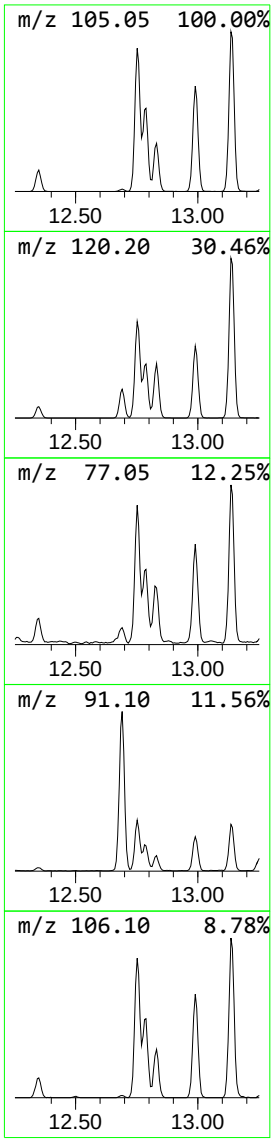
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.752	44.35 ug/l	963842	1,4-Dichlorobenzene-d4	13.447

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	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





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Data File : VY017080.D
Acq On : 22 Jan 2024 17:39
Operator : SY/MD
Sample : P1218-04
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
133

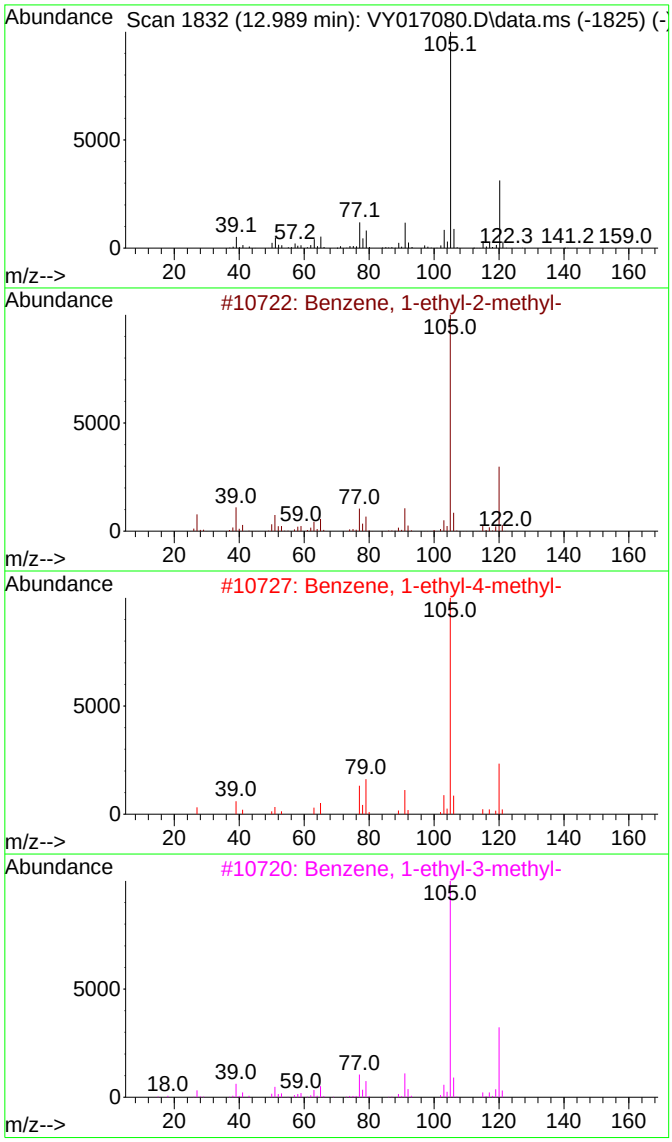
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010224S.M
Quant Title : SW846 8260

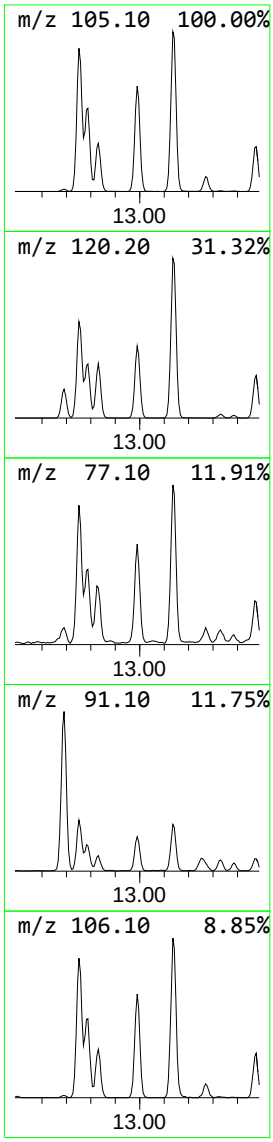
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.989	38.75 ug/l	842046	1,4-Dichlorobenzene-d4	13.447

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-ethyl-3-methyl-	120	C9H12	000620-14-4	91
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5	Mesitylene	120	C9H12	000108-67-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012224\
Data File : VY017080.D
Acq On : 22 Jan 2024 17:39
Operator : SY/MD
Sample : P1218-04
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
133

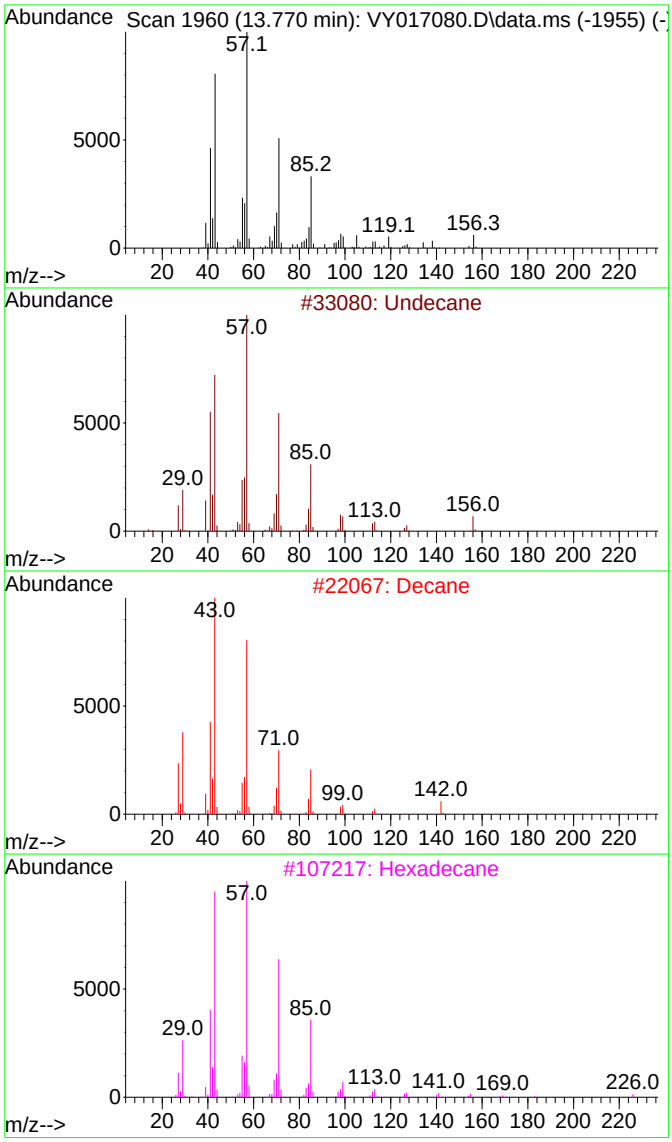
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010224S.M
Quant Title : SW846 8260

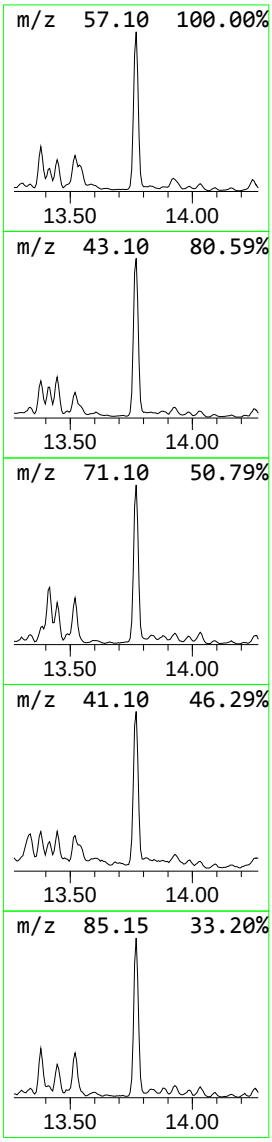
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Undecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.770	47.74 ug/l	1037390	1,4-Dichlorobenzene-d4	13.447

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	94
2	Decane	142	C10H22	000124-18-5	80
3	Hexadecane	226	C16H34	000544-76-3	72
4	Tetradecane	198	C14H30	000629-59-4	64
5	1-Iodo-2-methylnonane	268	C10H21I	1000101-47-9	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012224\
Data File : VY017080.D
Acq On : 22 Jan 2024 17:39
Operator : SY/MD
Sample : P1218-04
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
133

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010224S.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
1-Butanol, 2-et...	8.295	144.7	ug/l	13846500	2	8.716	4785600	50.0
Cyclopentane, 1...	8.374	40.6	ug/l	3890870	2	8.716	4785600	50.0
Cyclopentane, 1...	8.441	50.0	ug/l	4785600	2	8.716	4785600	50.0
Octane	10.386	41.8	ug/l	744429	3	11.508	891403	50.0
Heptane, 2,4-di...	11.294	50.0	ug/l	891403	3	11.508	891403	50.0
unknown12.258	12.258	47.0	ug/l	837009	3	11.508	891403	50.0
Nonane, 4-methyl-	12.428	51.1	ug/l	910971	3	11.508	891403	50.0
Benzene, 1-ethy...	12.752	44.4	ug/l	963842	4	13.447	1086600	50.0
Benzene, 1-ethy...	12.989	38.8	ug/l	842046	4	13.447	1086600	50.0
Undecane	13.770	47.7	ug/l	1037390	4	13.447	1086600	50.0