LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120624\
Data File : VY020539.D
Acq On : 06 Dec 2024 16:17
Operator : SY/MD
Sample : P5133-01
Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MOO-24-00374

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\82Y120224S.M
Title : SW846 8260

Signal : TIC: VY020539.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.872	339	353	390	rBV	9850055	28592512	64.80%	13.972%
2	6.433	757	773	787	rBV	234789	788085	1.79%	0.385%
3	6.598	787	800	809	rVV	404110	1305900	2.96%	0.638%
4	6.701	809	817	835	rVB	187130	582883	1.32%	0.285%
5	7.445	922	939	953	rBV	698679	2003148	4.54%	0.979%
6	7.689	962	979	989	rBV	7484416	18903247	42.84%	9.237%
7	7.793	989	996	1007	rVV	2426993	6051003	13.71%	2.957%
8	7.927	1007	1018	1035	rVV	9178090	21412014	48.53%	10.463%
9	8.195	1051	1062	1069	rBV3	1209928	2922290	6.62%	1.428%
10	8.274	1069	1075	1080	rVV	406208	898997	2.04%	0.439%
11	8.341	1080	1086	1098	rVB	485745	1103579	2.50%	0.539%
12	8.475	1098	1108	1123	rBV	4701390	9180269	20.81%	4.486%
13	8.616	1123	1131	1138	rBV	291705	564380	1.28%	0.276%
14	9.109	1199	1212	1218	rBV4	450776	1168460	2.65%	0.571%
15	10.109	1368	1376	1380	rBV	438794	778910	1.77%	0.381%
16	10.176	1380	1387	1400	rVB	24600825	44125023	100.00%	21.562%
17	11.414	1584	1590	1601	rVB	332699	567266	1.29%	0.277%
18	11.639	1616	1627	1635	rBV3	1034720	2043149	4.63%	0.998%
19	11.950	1667	1678	1682	rBV3	325919	963411	2.18%	0.471%
20	12.048	1690	1694	1699	rVB	415745	575720	1.30%	0.281%
21	12.170	1710	1714	1719	rVB3	348492	643478	1.46%	0.314%
22	12.340	1739	1742	1744	rVV	585365	804130	1.82%	0.393%
23	12.365	1744	1746	1750	rVV	584920	728182	1.65%	0.356%
24	12.450	1757	1760	1764	rVB	586195	741358	1.68%	0.362%
25	12.597	1776	1784	1787	rVB2	293706	702151	1.59%	0.343%
26	12.657	1787	1794	1798	rBV	1129799	2001721	4.54%	0.978%
27	12.731	1801	1806	1812	rVV2	4644710	7352877	16.66%	3.593%
28	12.786	1812	1815	1820	rVB2	477104	690501	1.56%	0.337%
29	12.895	1826	1833	1836	rBV3	521697	1173093	2.66%	0.573%
30	12.968	1841	1845	1851	rVB	1153620	1805065	4.09%	0.882%
31	13.048	1851	1858	1862	rBV	1991566	3275914	7.42%	1.601%
32	13.096	1862	1866	1871	rBV2	287577	475288	1.08%	0.232%
33	13.243	1882	1890	1894	rBV4	1061533	2219241	5.03%	1.084%
34	13.292	1894	1898	1901	rBV3	746687	1025189	2.32%	0.501%
35	13.359	1906	1909	1911	rBV2	640213	801616	1.82%	0.392%
36	13.426	1917	1920	1926	rBV2	782176	1108684	2.51%	0.542%

LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120624\
Data File : VY020539.D
Acq On : 06 Dec 2024 16:17
Operator : SY/MD
Sample : P5133-01
Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MOO-24-00374

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\82Y120224S.M
Title : SW846 8260

37	13.548	1933	1940	1944	rBV	989961	1625680	3.68%	0.794%
38	13.590	1944	1947	1950	rBV2	521427	750266	1.70%	0.367%
39	13.676	1955	1961	1966	rBV	5203196	7891199	17.88%	3.856%
40	13.840	1984	1988	1993	rVB4	653363	896756	2.03%	0.438%
41	13.895	1993	1997	2001	rVB	812291	1158026	2.62%	0.566%
42	13.938	2001	2004	2009	rVB2	538215	869133	1.97%	0.425%
43	14.005	2009	2015	2019	rBV2	925738	1504445	3.41%	0.735%
44	14.066	2019	2025	2031	rBV6	415735	998725	2.26%	0.488%
45	14.175	2037	2043	2051	rVV8	1282499	3406982	7.72%	1.665%
46	14.236	2051	2053	2060	rVB3	566453	1079583	2.45%	0.528%
47	14.304	2060	2064	2067	rBV3	686044	976296	2.21%	0.477%
48	14.340	2067	2070	2075	rVB3	641920	901560	2.04%	0.441%
49	14.401	2075	2080	2084	rBV5	360974	613525	1.39%	0.300%
50	14.486	2090	2094	2098	rBV2	407747	829526	1.88%	0.405%
51	14.535	2098	2102	2107	rVV	1975780	2734350	6.20%	1.336%
52	14.602	2107	2113	2118	rVV4	1044373	2116193	4.80%	1.034%
53	14.651	2118	2121	2128	rVB3	783652	1304623	2.96%	0.638%
54	14.755	2134	2138	2143	rBV2	489009	702976	1.59%	0.344%
55	14.858	2151	2155	2159	rVB3	346127	537079	1.22%	0.262%
56	14.968	2167	2173	2178	rVB5	255919	583042	1.32%	0.285%
57	15.127	2194	2199	2205	rBV3	253921	552734	1.25%	0.270%
58	15.206	2208	2212	2216	rVV3	279463	503223	1.14%	0.246%
59	15.261	2217	2221	2231	rVV8	249604	771466	1.75%	0.377%
60	15.346	2231	2235	2243	rVB2	407862	644064	1.46%	0.315%
61	15.633	2278	2282	2291	rVB3	337027	613415	1.39%	0.300%

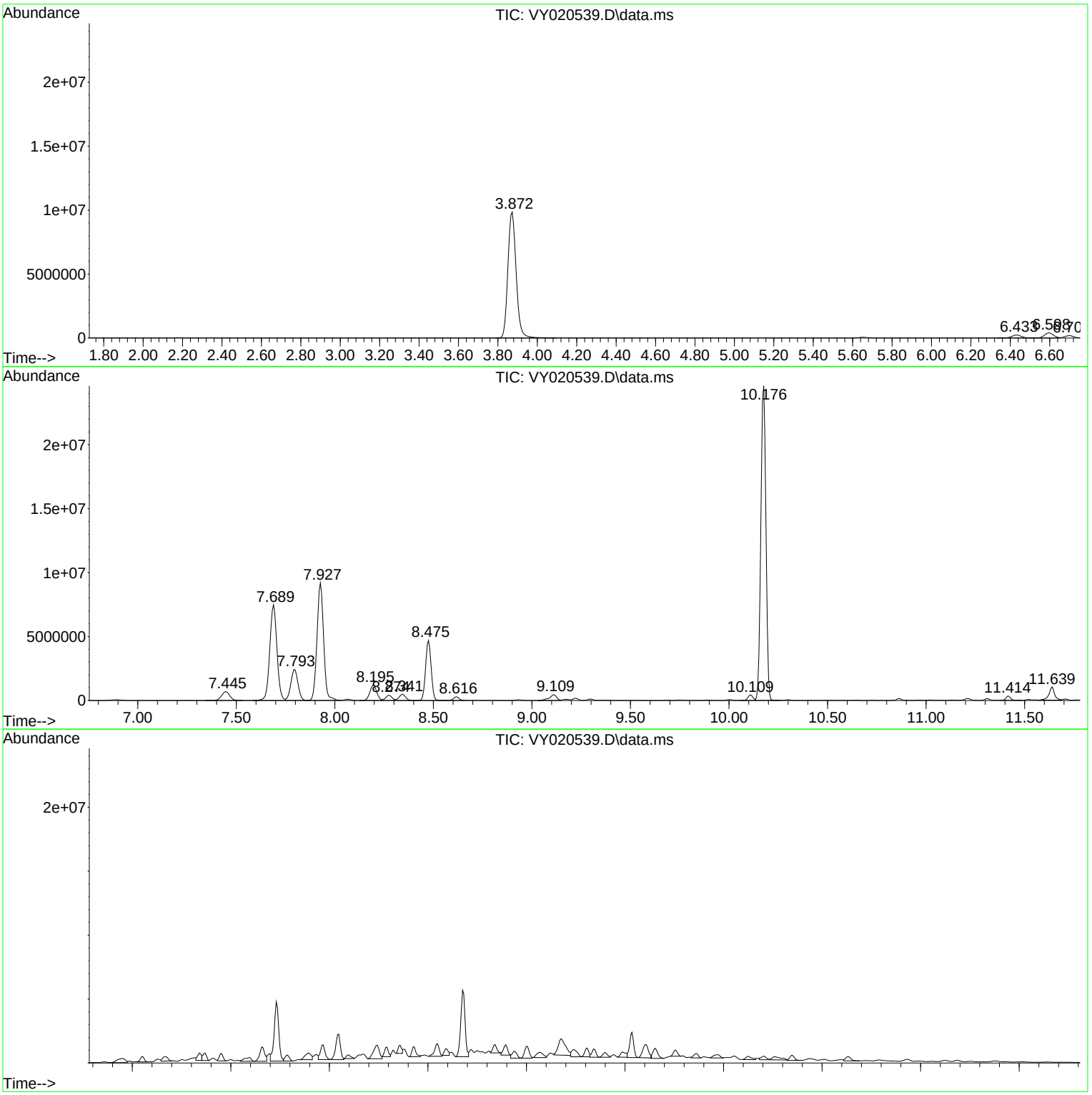
Sum of corrected areas: 204643601

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120624\
Data File : VY020539.D
Acq On : 06 Dec 2024 16:17
Operator : SY/MD
Sample : P5133-01
Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MOO-24-00374

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120624\
Data File : VY020539.D
Acq On : 06 Dec 2024 16:17
Operator : SY/MD
Sample : P5133-01
Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MOO-24-00374

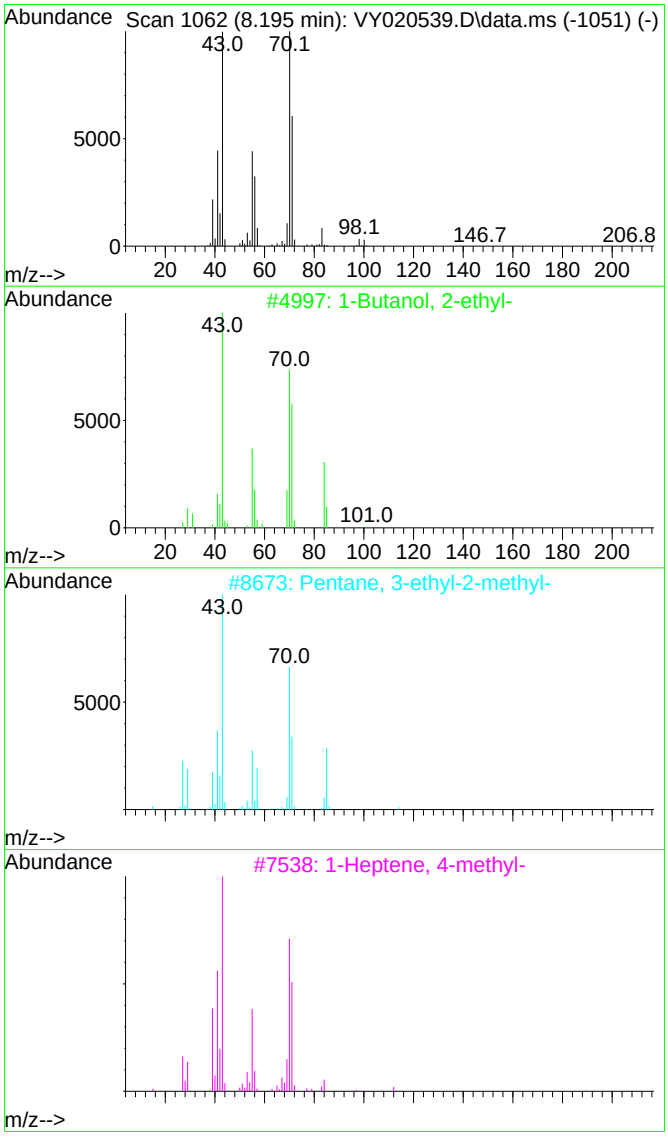
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260

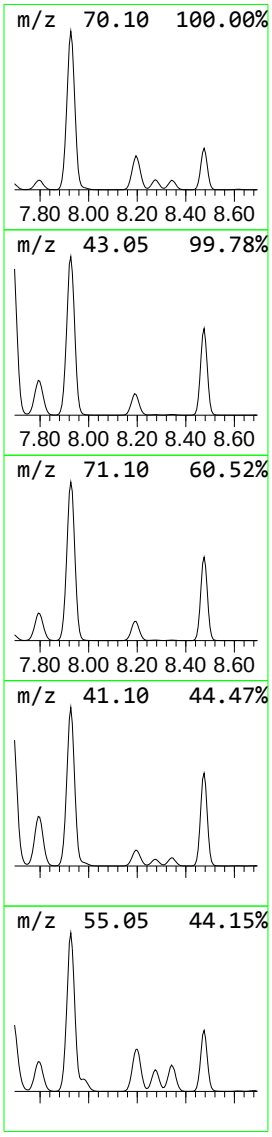
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 1-Butanol, 2-ethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.195	258.89 ug/l	2922290	1,4-Difluorobenzene	8.616

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butanol, 2-ethyl-	102	C6H14O	000097-95-0	78
2	Pentane, 3-ethyl-2-methyl-	114	C8H18	000609-26-7	72
3	1-Heptene, 4-methyl-	112	C8H16	013151-05-8	56
4	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	45
5	Pentane, 3-ethyl-	100	C7H16	000617-78-7	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120624\
Data File : VY020539.D
Acq On : 06 Dec 2024 16:17
Operator : SY/MD
Sample : P5133-01
Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MOO-24-00374

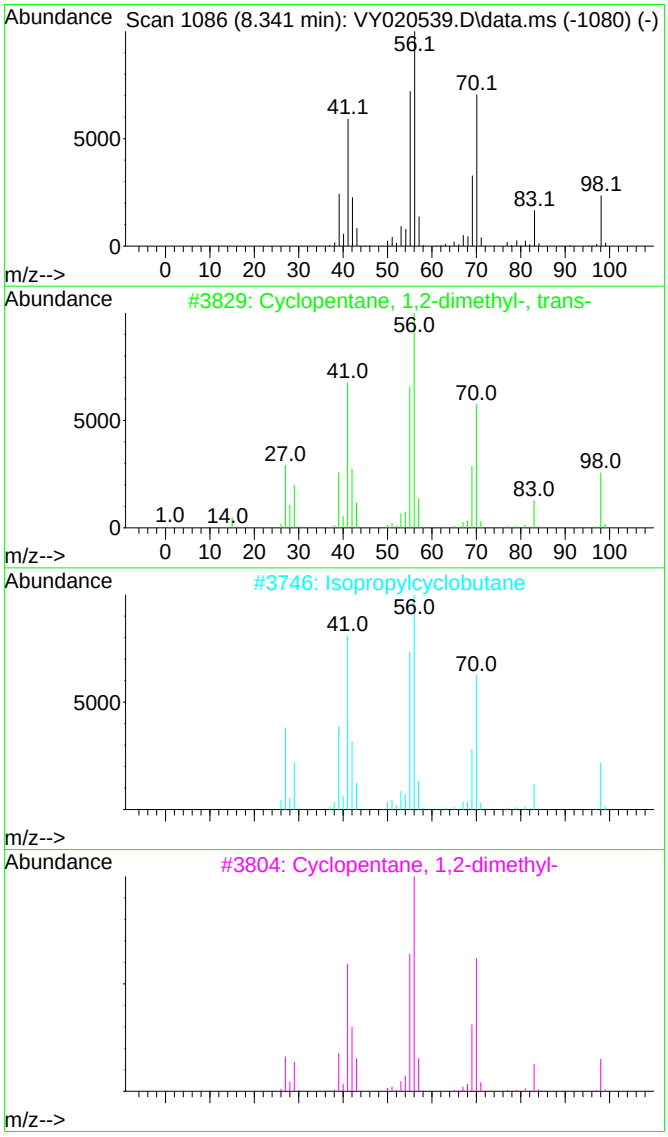
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260

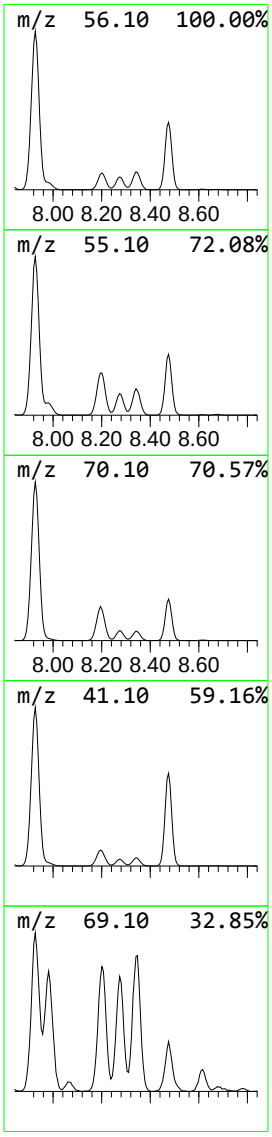
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Cyclopentane, 1,2-dimethyl-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.341	97.77 ug/l	1103580	1,4-Difluorobenzene	8.616

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	93
3	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	91
4	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	86
5	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120624\
Data File : VY020539.D
Acq On : 06 Dec 2024 16:17
Operator : SY/MD
Sample : P5133-01
Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MOO-24-00374

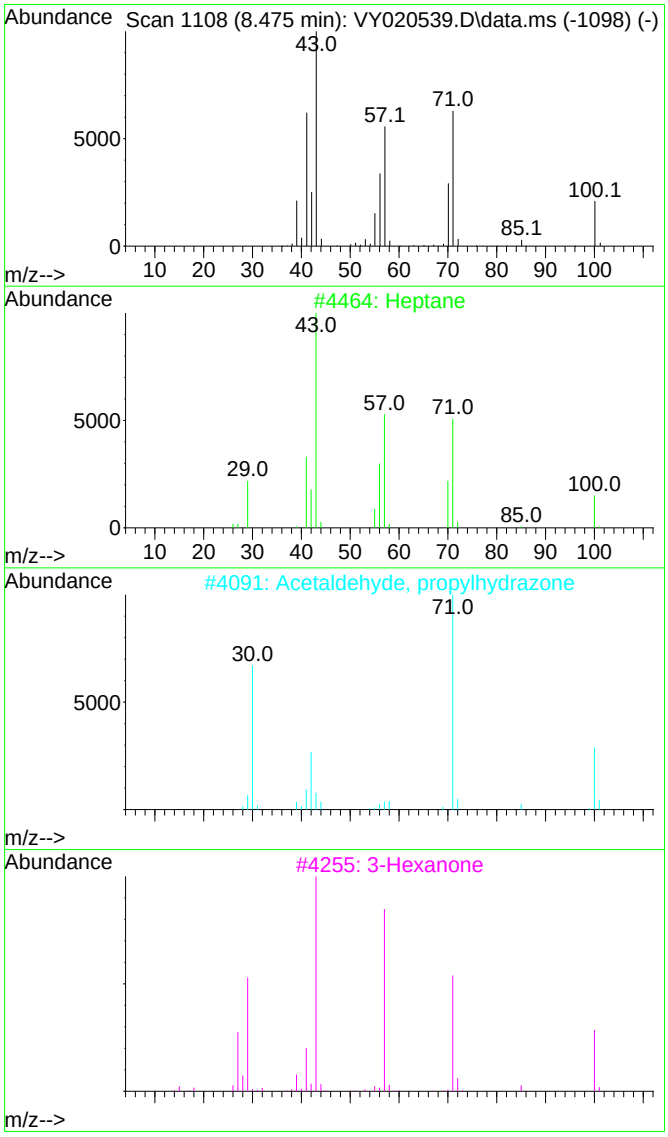
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260

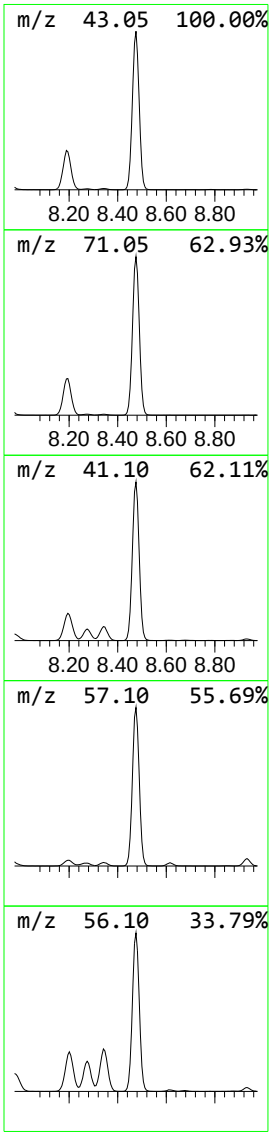
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Heptane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.475	813.31 ug/l	9180270	1,4-Difluorobenzene	8.616

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	91
2	Acetaldehyde, propylhydrazone	100	C5H12N2	007422-88-0	49
3	3-Hexanone	100	C6H12O	000589-38-8	46
4	Pentane, 2-methyl-	86	C6H14	000107-83-5	43
5	Hexane, 3-methyl-	100	C7H16	000589-34-4	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120624\
Data File : VY020539.D
Acq On : 06 Dec 2024 16:17
Operator : SY/MD
Sample : P5133-01
Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MOO-24-00374

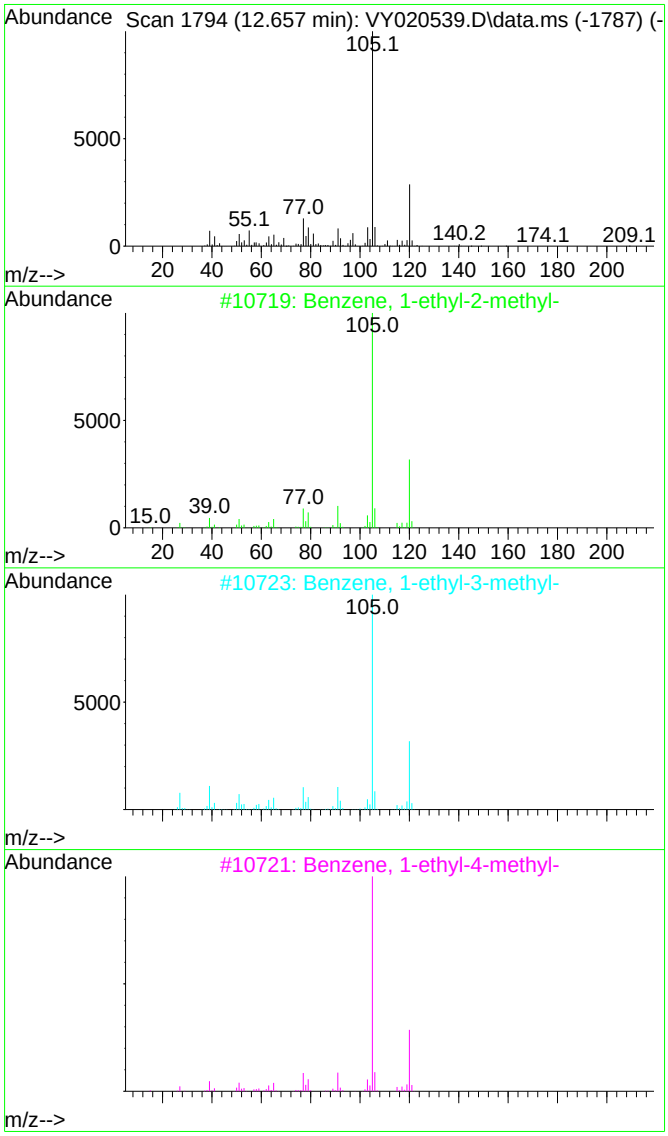
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260

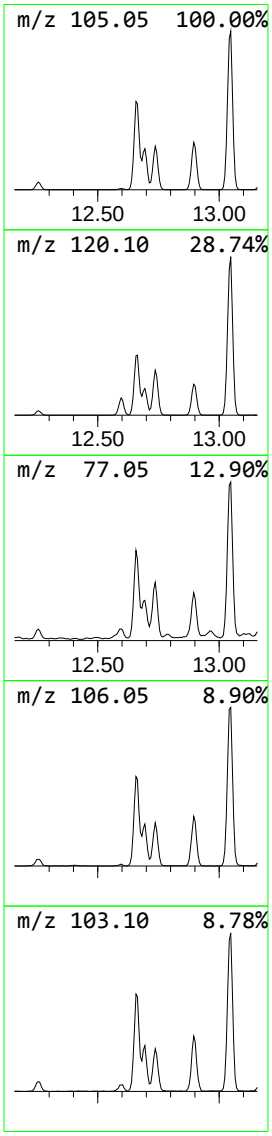
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Benzene, 1-ethyl-2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.658	124.86 ug/l	2001720	1,4-Dichlorobenzene-d4	13.346

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-3-methyl-	120	C9H12	000620-14-4	93
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90
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\VY120624\
Data File : VY020539.D
Acq On : 06 Dec 2024 16:17
Operator : SY/MD
Sample : P5133-01
Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MOO-24-00374

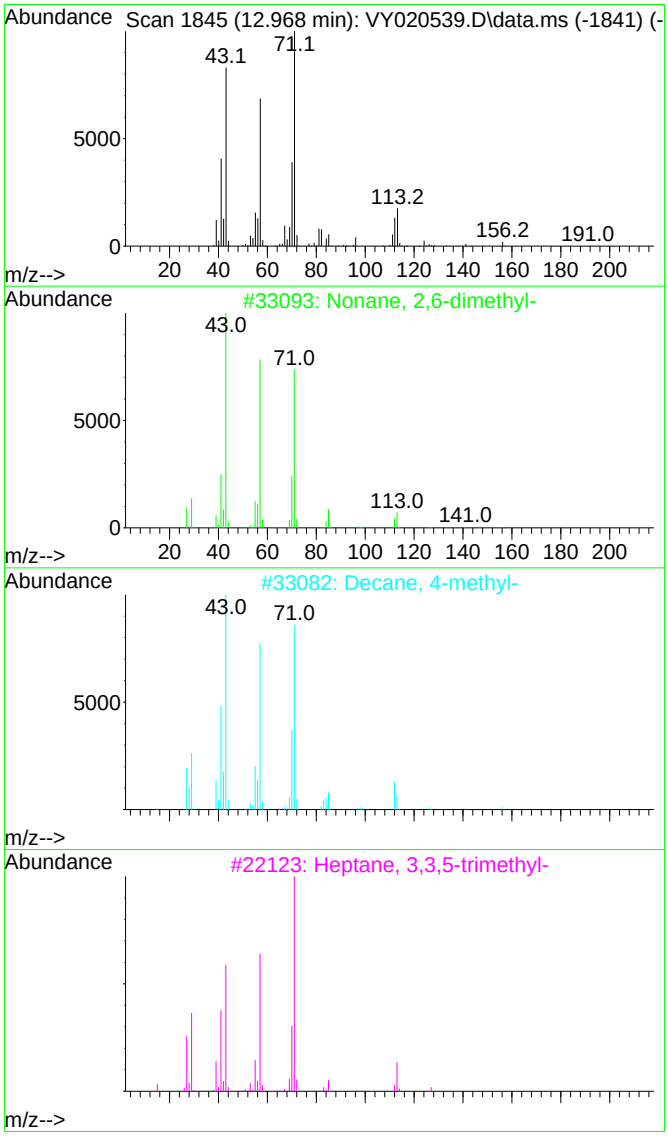
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260

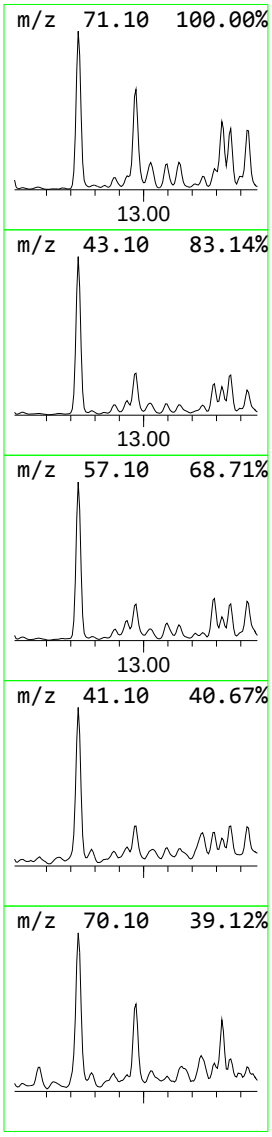
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Nonane, 2,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.968	112.59 ug/l	1805070	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	80
2	Decane, 4-methyl-	156	C11H24	002847-72-5	72
3	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	72
4	4-Methyl-3-heptanol, trifluoroac...	226	C10H17F3O2	1000365-51-8	64
5	2,4,4-Trimethyl-1-hexene	126	C9H18	051174-12-0	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120624\
Data File : VY020539.D
Acq On : 06 Dec 2024 16:17
Operator : SY/MD
Sample : P5133-01
Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MOO-24-00374

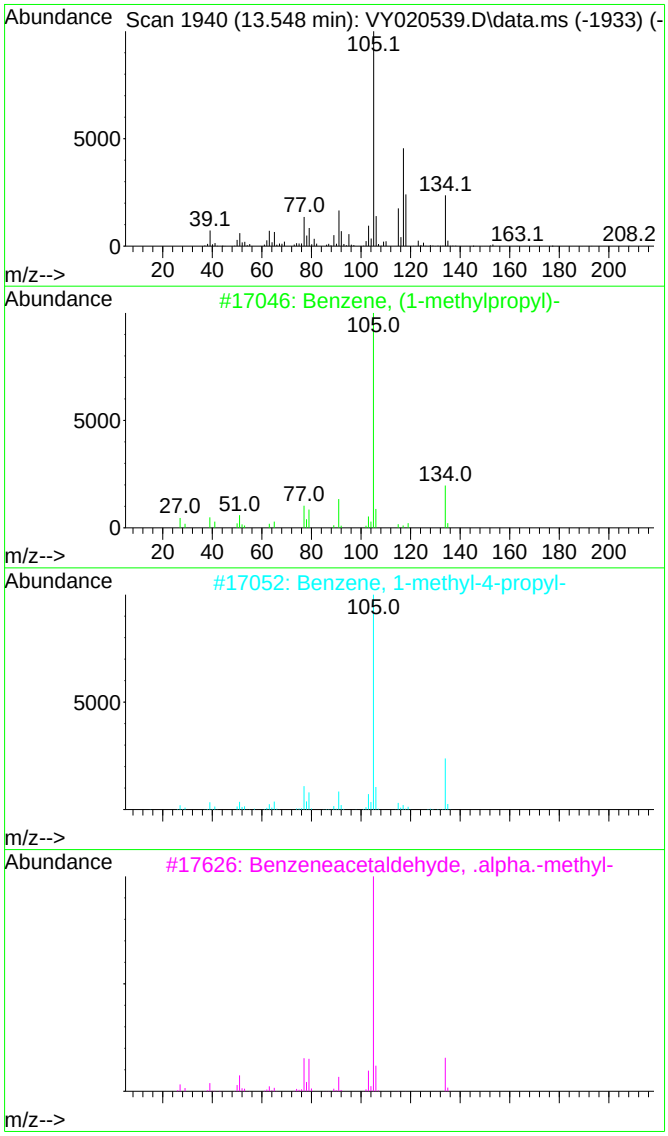
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260

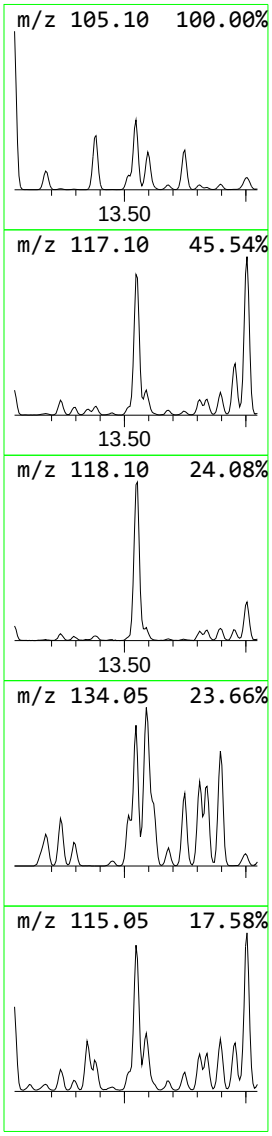
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 unknown13.548 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.548	101.40 ug/l	1625680	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	46
2	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	41
3	Benzeneacetaldehyde, .alpha.-met...	134	C9H10O	000093-53-8	41
4	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	38
5	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120624\
Data File : VY020539.D
Acq On : 06 Dec 2024 16:17
Operator : SY/MD
Sample : P5133-01
Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MOO-24-00374

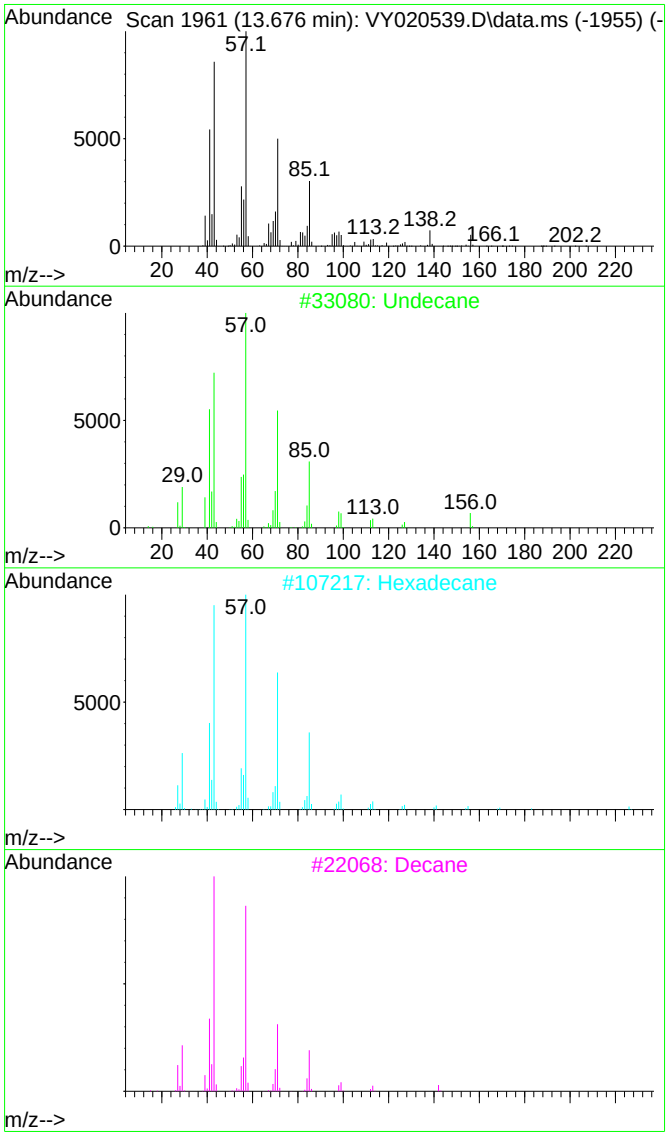
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260

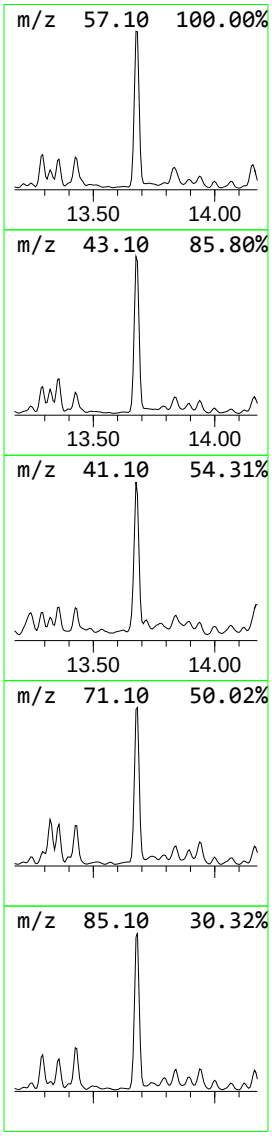
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Undecane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.676	492.21 ug/l	7891200	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane	156	C11H24	001120-21-4	96
2	Hexadecane	226	C16H34	000544-76-3	72
3	Decane	142	C10H22	000124-18-5	72
4	Tridecane	184	C13H28	000629-50-5	59
5	Carbonic acid, nonyl vinyl ester	214	C12H22O3	1000383-25-6	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120624\
Data File : VY020539.D
Acq On : 06 Dec 2024 16:17
Operator : SY/MD
Sample : P5133-01
Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MOO-24-00374

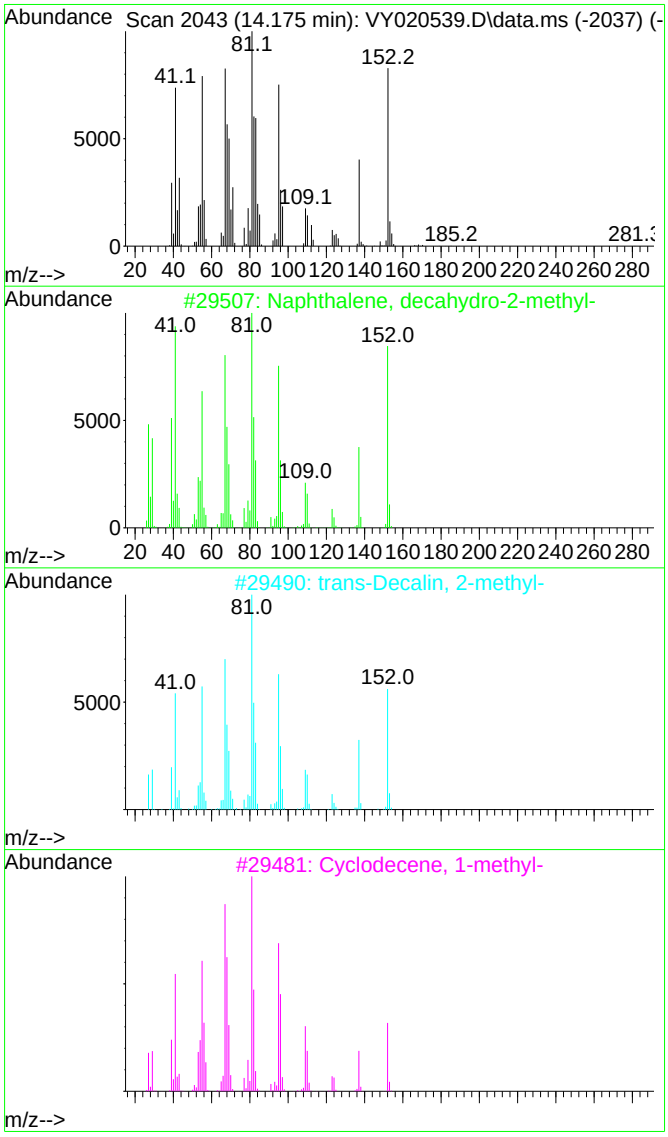
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260

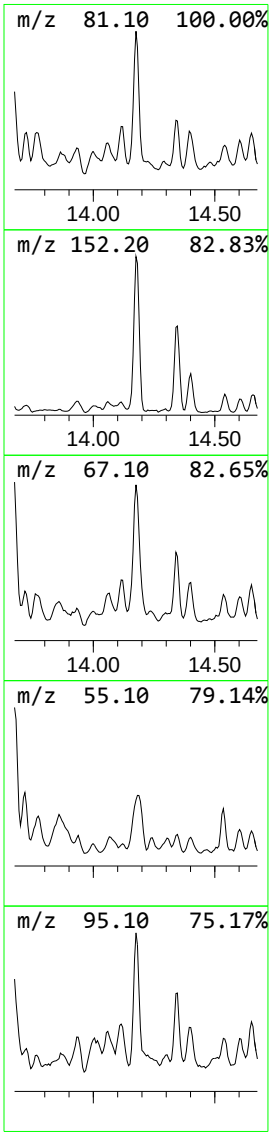
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Naphthalene, decahydro-2-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.176	212.51 ug/l	3406980	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	97
2	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	95
3	Cyclodecene, 1-methyl-	152	C11H20	066633-38-3	87
4	Decalin, anti-1-methyl-, cis-	152	C11H20	1000158-89-0	70
5	Decalin, syn-1-methyl-, cis-	152	C11H20	1000158-89-1	62





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120624\
Data File : VY020539.D
Acq On : 06 Dec 2024 16:17
Operator : SY/MD
Sample : P5133-01
Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MOO-24-00374

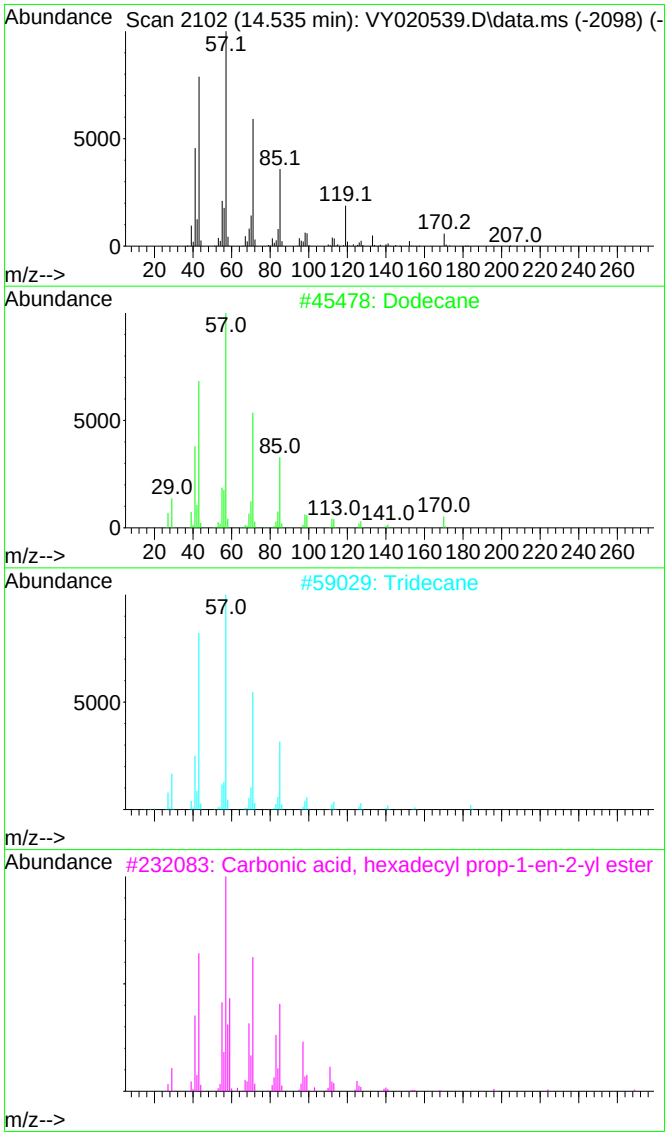
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260

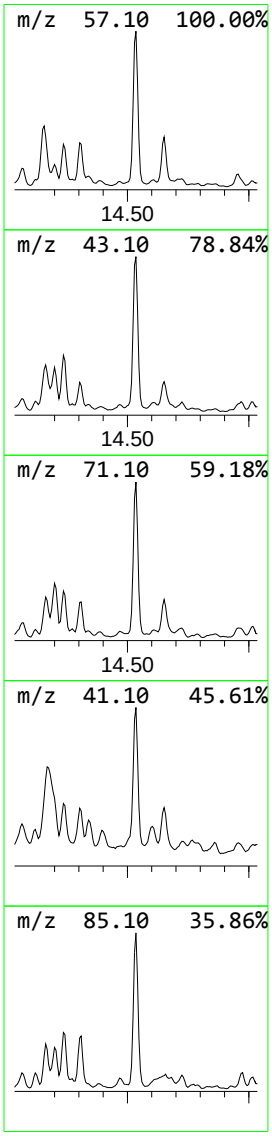
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Dodecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.535	170.55 ug/l	2734350	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	96
2	Tridecane	184	C13H28	000629-50-5	72
3	Carbonic acid, hexadecyl prop-1-...	326	C20H38O3	1000382-90-3	72
4	Tetradecane	198	C14H30	000629-59-4	72
5	Undecane	156	C11H24	001120-21-4	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120624\
Data File : VY020539.D
Acq On : 06 Dec 2024 16:17
Operator : SY/MD
Sample : P5133-01
Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MOO-24-00374

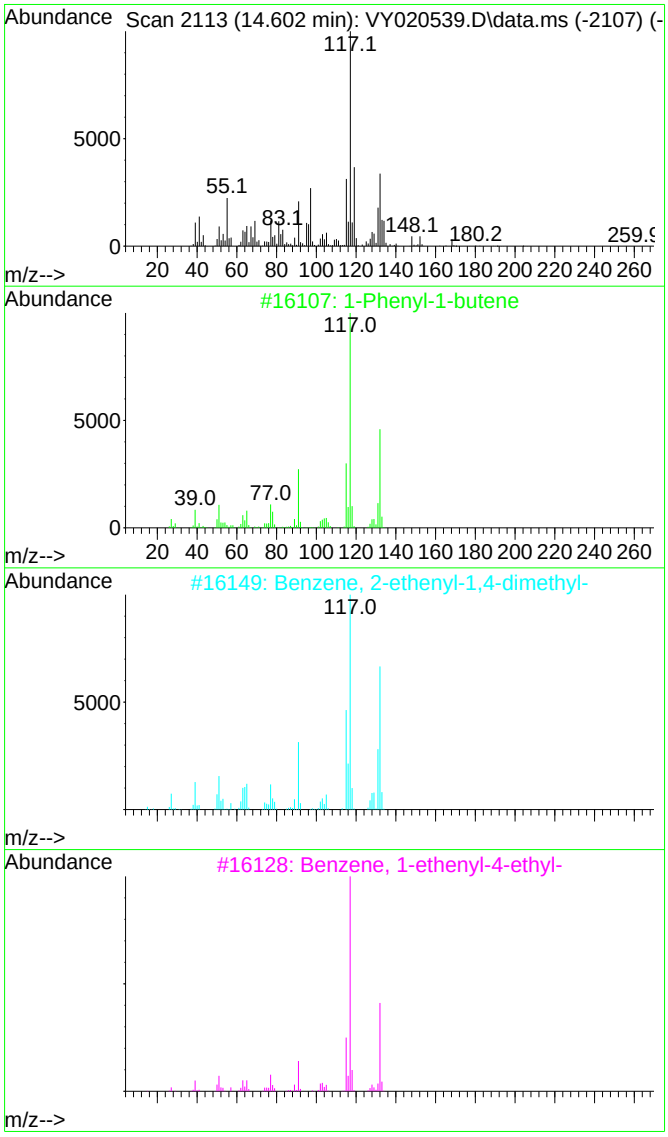
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.M
Quant Title : SW846 8260

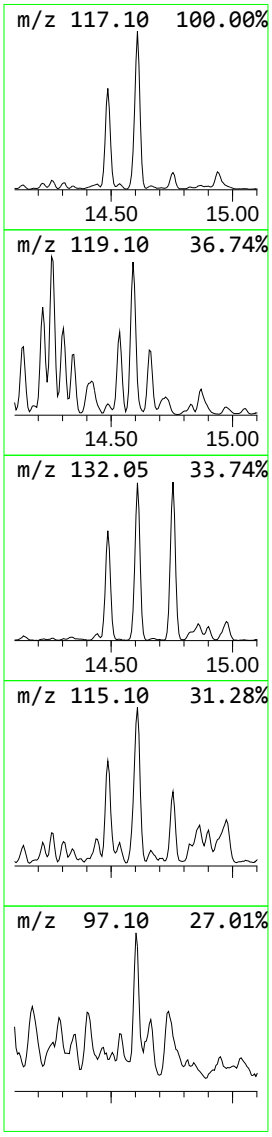
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 1-Phenyl-1-butene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.602	132.00 ug/l	2116190	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	95
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	89
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	70
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	70
5	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	70





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120624\
Data File : VY020539.D
Acq On : 06 Dec 2024 16:17
Operator : SY/MD
Sample : P5133-01
Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
MOO-24-00374

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120224S.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...	8.195	258.9	ug/l	2922290	2	8.616	564380	50.0
Cyclopentane, 1...	8.341	97.8	ug/l	1103580	2	8.616	564380	50.0
Heptane	8.475	813.3	ug/l	9180270	2	8.616	564380	50.0
Benzene, 1-ethy...	12.658	124.9	ug/l	2001720	4	13.346	801616	50.0
Nonane, 2,6-dim...	12.968	112.6	ug/l	1805070	4	13.346	801616	50.0
unknown13.548	13.548	101.4	ug/l	1625680	4	13.346	801616	50.0
Undecane	13.676	492.2	ug/l	7891200	4	13.346	801616	50.0
Naphthalene, de...	14.176	212.5	ug/l	3406980	4	13.346	801616	50.0
Dodecane	14.535	170.6	ug/l	2734350	4	13.346	801616	50.0
1-Phenyl-1-butene	14.602	132.0	ug/l	2116190	4	13.346	801616	50.0