LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092223\
Data File : VY015689.D
Acq On : 22 Sep 2023 17:04
Operator : SY/MD
Sample : 04566-05
Misc : 4.13g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B102-08-1(8-8.5)

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\82Y091923S.M
Title : SW846 8260

Signal : TIC: VY015689.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.076	35	42	56	rBV	69359	95025	2.45%	0.240%
2	2.247	62	70	81	rBV	319680	503103	12.99%	1.268%
3	2.900	168	177	198	rBV	1760188	3872460	100.00%	9.761%
4	3.253	224	235	255	rBV	205034	487342	12.58%	1.228%
5	3.698	296	308	323	rVB	117615	306513	7.92%	0.773%
6	3.948	336	349	360	rBV5	60663	202966	5.24%	0.512%
7	4.198	381	390	406	rVB	22419	63478	1.64%	0.160%
8	4.704	458	473	478	rBV	189331	654206	16.89%	1.649%
9	4.808	480	490	515	rVB2	365174	1771319	45.74%	4.465%
10	5.241	547	561	586	rVB	297846	1067481	27.57%	2.691%
11	5.753	631	645	662	rBV2	58571	185067	4.78%	0.466%
12	6.106	690	703	714	rBV2	68571	207213	5.35%	0.522%
13	6.246	714	726	746	rVB2	78579	254020	6.56%	0.640%
14	6.545	763	775	792	rBV2	131838	415561	10.73%	1.047%
15	6.692	792	799	804	rVV	15491	44911	1.16%	0.113%
16	6.795	804	816	825	rVV	741489	2320295	59.92%	5.849%
17	6.881	825	830	841	rVV	140300	383532	9.90%	0.967%
18	6.990	841	848	865	rVB2	13885	50189	1.30%	0.127%
19	7.472	917	927	932	rBV2	42368	116260	3.00%	0.293%
20	7.533	932	937	949	rVB	58215	146605	3.79%	0.370%
21	7.722	954	968	971	rVV2	99903	276183	7.13%	0.696%
22	7.789	971	979	988	rVV2	908235	2321791	59.96%	5.852%
23	7.880	988	994	1005	rVV	83568	214043	5.53%	0.540%
24	8.008	1006	1015	1019	rVV	65643	165540	4.27%	0.417%
25	8.063	1019	1024	1031	rVV	92347	220661	5.70%	0.556%
26	8.161	1031	1040	1051	rVV	1201201	2785169	71.92%	7.020%
27	8.289	1051	1061	1067	rVV5	176155	488709	12.62%	1.232%
28	8.356	1067	1072	1077	rVV2	160317	371468	9.59%	0.936%
29	8.423	1077	1083	1093	rVV	258740	591431	15.27%	1.491%
30	8.527	1093	1100	1113	rVB4	23946	68621	1.77%	0.173%
31	8.691	1118	1127	1132	rBV	483702	1040661	26.87%	2.623%
32	8.734	1132	1134	1140	rVV	163770	297022	7.67%	0.749%
33	8.789	1140	1143	1149	rVV	51731	93114	2.40%	0.235%
34	8.856	1149	1154	1159	rVV	37010	69724	1.80%	0.176%
35	8.929	1159	1166	1169	rVV	132358	256895	6.63%	0.648%
36	8.972	1169	1173	1185	rVB	149204	299479	7.73%	0.755%

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ClientSampleId :
B102-08-1(8-8.5)

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
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Peak separation: 5

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Title : SW846 8260

37	9.185	1193	1208	1217	rBV	782155	1911652	49.37%	4.819%
38	9.374	1227	1239	1246	rVV	90273	173623	4.48%	0.438%
39	9.465	1246	1254	1260	rVV5	15862	44985	1.16%	0.113%
40	9.563	1260	1270	1275	rVV	111704	308680	7.97%	0.778%
41	9.612	1275	1278	1286	rVV2	47540	85260	2.20%	0.215%
42	9.715	1287	1295	1300	rVV2	225545	427959	11.05%	1.079%
43	9.764	1300	1303	1315	rVV2	61618	166878	4.31%	0.421%
44	9.874	1315	1321	1326	rVV2	43821	88975	2.30%	0.224%
45	10.063	1345	1352	1358	rBV	442679	766039	19.78%	1.931%
46	10.185	1364	1372	1377	rBV	436813	800637	20.68%	2.018%
47	10.246	1377	1382	1389	rVV	160755	303030	7.83%	0.764%
48	10.349	1393	1399	1402	rVV	108062	212612	5.49%	0.536%
49	10.386	1402	1405	1411	rVV3	132404	235581	6.08%	0.594%
50	10.471	1413	1419	1423	rVV3	63341	124284	3.21%	0.313%
51	10.526	1423	1428	1433	rVV3	58299	111601	2.88%	0.281%
52	10.605	1433	1441	1451	rVB3	168046	360207	9.30%	0.908%
53	10.697	1451	1456	1463	rVB3	23842	51964	1.34%	0.131%
54	10.782	1464	1470	1479	rBV3	17342	49093	1.27%	0.124%
55	10.880	1479	1486	1489	rBV	84240	141185	3.65%	0.356%
56	10.922	1489	1493	1496	rVV	62492	105588	2.73%	0.266%
57	10.959	1496	1499	1503	rVV	54416	85935	2.22%	0.217%
58	11.002	1503	1506	1510	rVV	46061	71973	1.86%	0.181%
59	11.203	1535	1539	1544	rVB	31757	49942	1.29%	0.126%
60	11.496	1580	1587	1588	rBV	431426	604754	15.62%	1.524%
61	11.593	1598	1603	1611	rVB	540292	880602	22.74%	2.220%
62	11.709	1613	1622	1633	rVB	439984	836357	21.60%	2.108%
63	12.032	1670	1675	1680	rBV	111530	171348	4.42%	0.432%
64	12.331	1718	1724	1730	rBV	450292	684251	17.67%	1.725%
65	12.483	1744	1749	1760	rVB2	315920	535961	13.84%	1.351%
66	12.672	1775	1780	1787	rVB	123617	191257	4.94%	0.482%
67	12.739	1787	1791	1793	rBV	27099	40275	1.04%	0.102%
68	12.770	1793	1796	1800	rVV	63883	97595	2.52%	0.246%
69	12.812	1800	1803	1813	rVB3	46169	85054	2.20%	0.214%
70	12.977	1824	1830	1838	rBV	189691	303126	7.83%	0.764%
71	13.123	1848	1854	1860	rBV	481229	700827	18.10%	1.767%
72	13.196	1861	1866	1868	rBV5	23415	41704	1.08%	0.105%
73	13.428	1891	1904	1906	rBV	423833	767382	19.82%	1.934%
74	13.459	1906	1909	1916	rVB	689849	1010022	26.08%	2.546%
75	13.526	1917	1920	1925	rVB	26689	39412	1.02%	0.099%
76	13.599	1927	1932	1933	rBV	64369	92850	2.40%	0.234%

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ClientSampleId :
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Integration Parameters: RTEINT.P
Integrator: RTE
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Sampling : 1 Min Area: 3 % of largest Peak
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Title : SW846 8260

77	13.629	1933	1937	1942	rVV	321205	475026	12.27%	1.197%
78	13.678	1942	1945	1950	rVB3	30016	44054	1.14%	0.111%
79	13.757	1951	1958	1965	rBV5	64322	156319	4.04%	0.394%
80	13.824	1965	1969	1975	rVB	86537	131128	3.39%	0.331%
81	13.885	1975	1979	1982	rBV	32880	51178	1.32%	0.129%
82	13.971	1988	1993	1999	rBV2	128076	209428	5.41%	0.528%
83	14.032	1999	2003	2006	rVV	35437	63783	1.65%	0.161%
84	14.080	2006	2011	2020	rVB	619925	983606	25.40%	2.479%
85	14.215	2028	2033	2040	rBV2	78712	118676	3.06%	0.299%
86	14.300	2041	2047	2050	rBV	178947	263837	6.81%	0.665%
87	14.336	2050	2053	2058	rVB	66348	91200	2.36%	0.230%
88	14.568	2086	2091	2096	rBV3	42796	80424	2.08%	0.203%
89	14.684	2105	2110	2115	rVB2	65958	115069	2.97%	0.290%
90	14.946	2147	2153	2156	rBV2	21278	41686	1.08%	0.105%
91	15.056	2166	2171	2176	rVB	31054	68277	1.76%	0.172%
92	15.239	2191	2201	2207	rVB	89612	189759	4.90%	0.478%
93	15.501	2237	2244	2254	rVB8	21576	79326	2.05%	0.200%
94	16.440	2393	2398	2402	rBV5	18615	40655	1.05%	0.102%

Sum of corrected areas: 39671948

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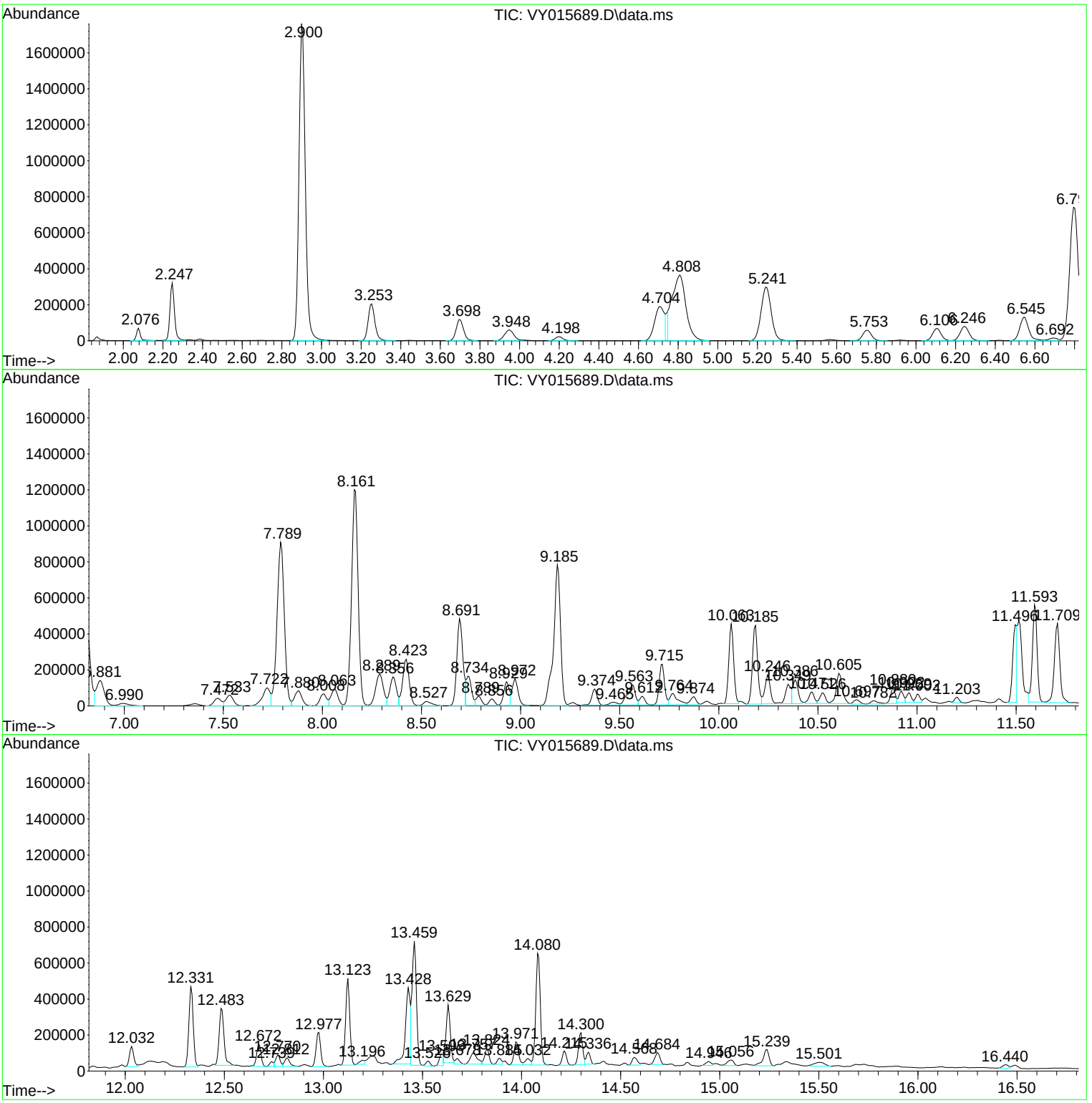
ClientSampleId :
B102-08-1(8-8.5)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
Quant Title : SW846 8260

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



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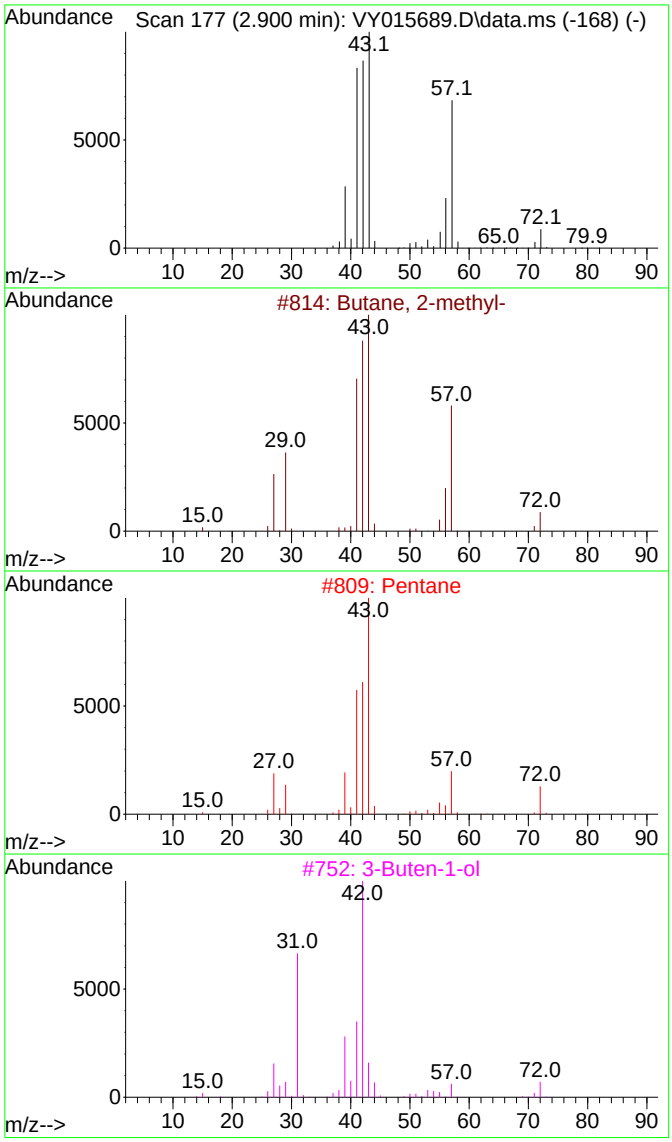
Quant Title : SW846 8260

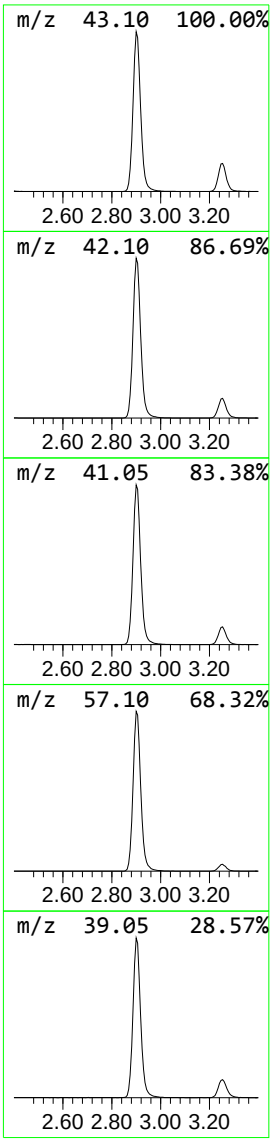
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Butane, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.900	83.39 ug/l	3872460	Pentafluorobenzene	7.795

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methyl-	72	C5H12	000078-78-4	91
2	Pentane	72	C5H12	000109-66-0	37
3	3-Buten-1-ol	72	C4H8O	000627-27-0	28
4	1-Butene	56	C4H8	000106-98-9	10
5	1-Propene, 2-methyl-	56	C4H8	000115-11-7	9





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Instrument :
MSVOA_Y
ClientSampleId :
B102-08-1(8-8.5)

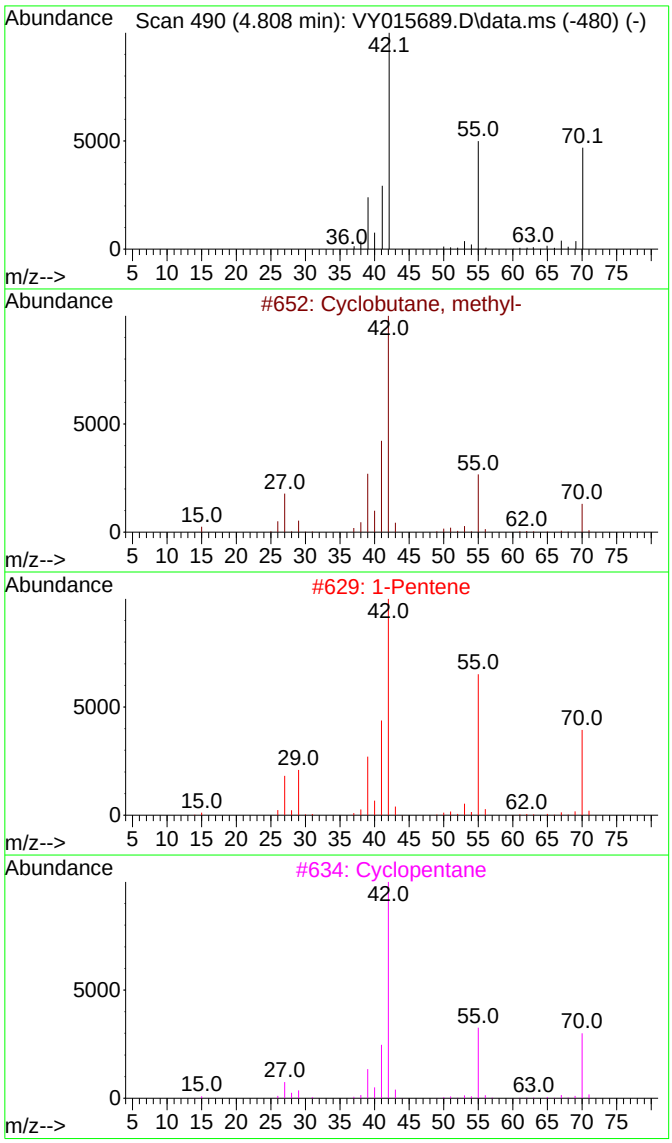
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
Quant Title : SW846 8260

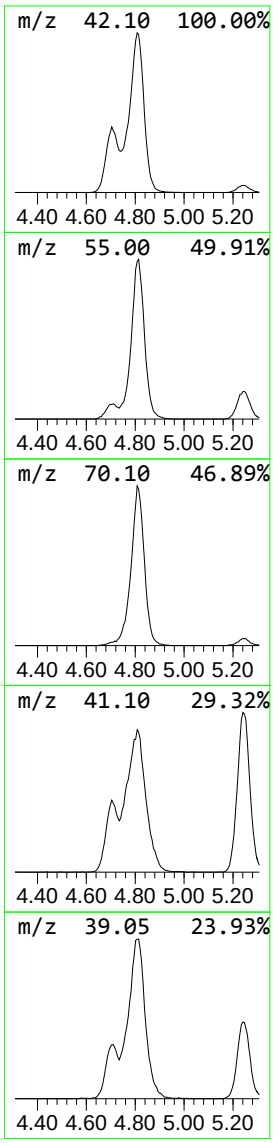
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Cyclobutane, methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.808	38.15 ug/l	1771320	Pentafluorobenzene	7.795

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane, methyl-	70	C5H10	000598-61-8	78
2	1-Pentene	70	C5H10	000109-67-1	72
3	Cyclopentane	70	C5H10	000287-92-3	9
4	Cyclobutanone	70	C4H6O	001191-95-3	4
5	Isobutyronitrile	69	C4H7N	000078-82-0	4





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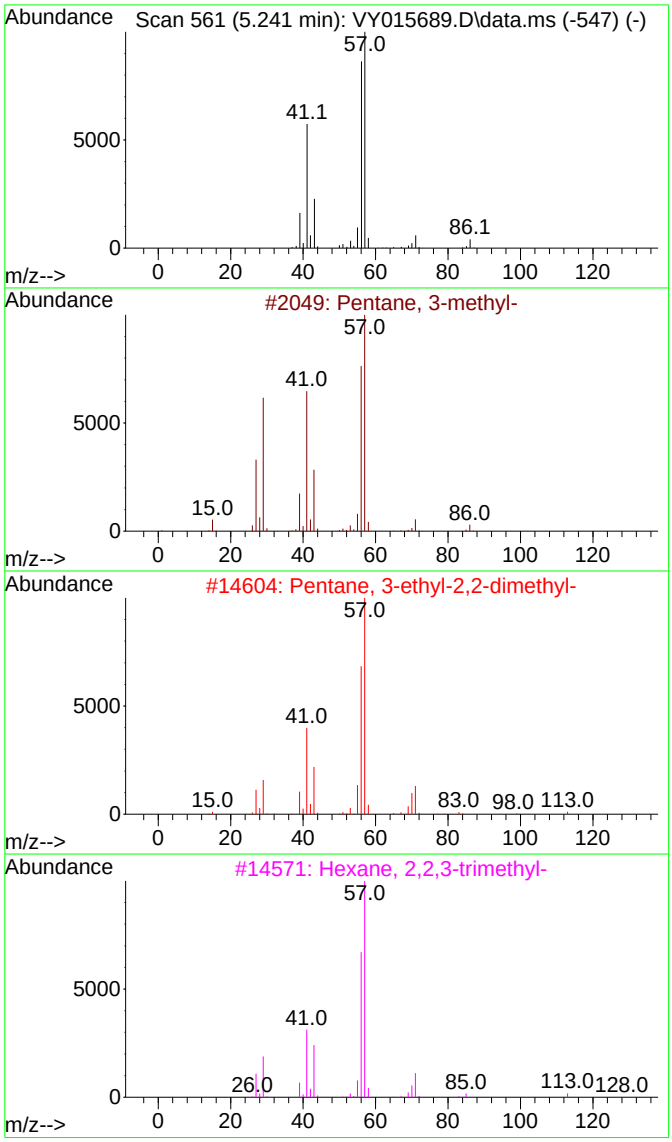
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
Quant Title : SW846 8260

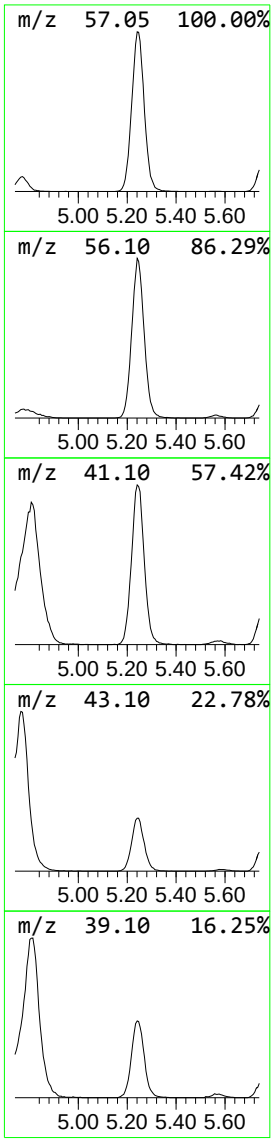
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Pentane, 3-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.241	22.99 ug/l	1067480	Pentafluorobenzene	7.795

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	64
3	Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	56
4	Sulphuric acid dibutyl ester	210	C8H18O4S	000625-22-9	40
5	Butyl isocyanatoacetate	157	C7H11NO3	017046-22-9	40





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TIC Library : C:\Database\NIST20.L
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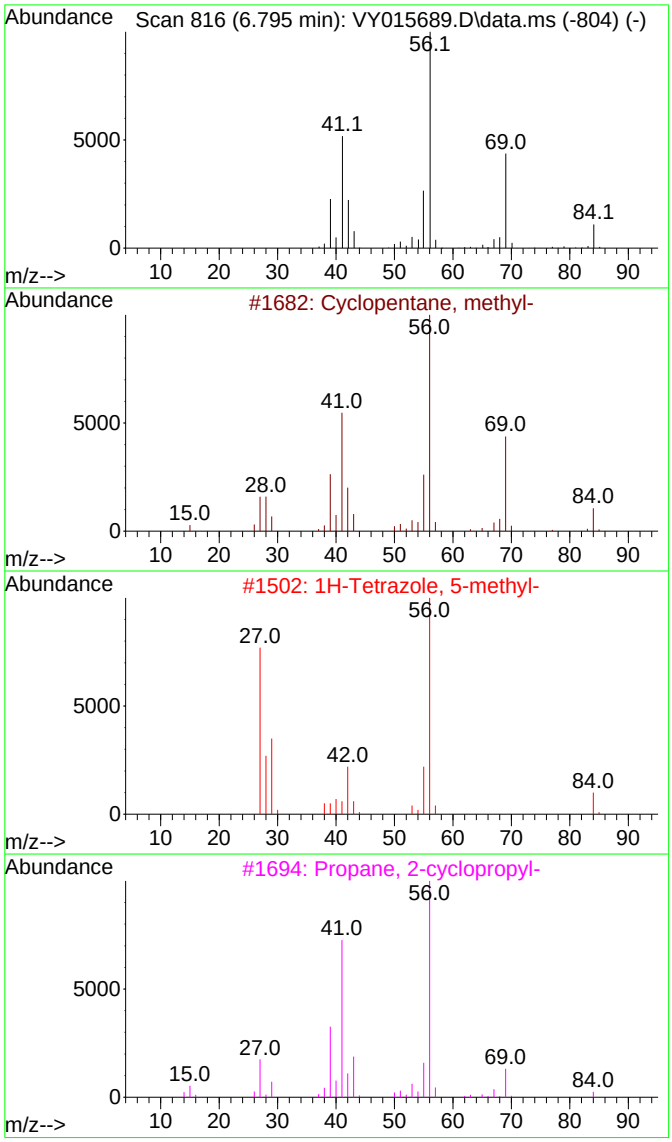
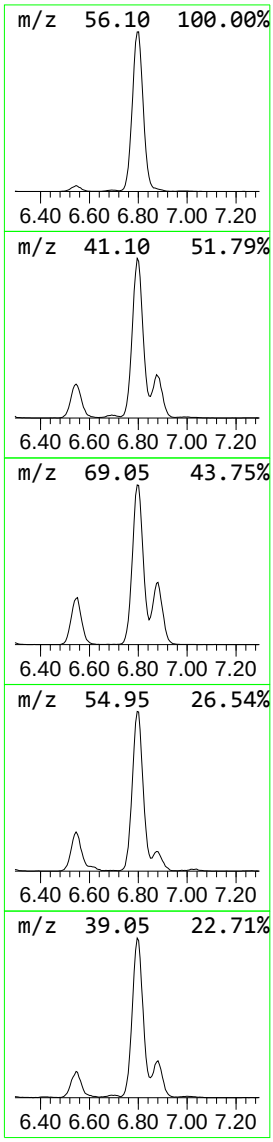
****
Peak Number 4 Cyclopentane, methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.795	49.97 ug/l	2320300	Pentafluorobenzene	7.795

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	94
2	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72
3	Propane, 2-cyclopropyl-	84	C6H12	003638-35-5	64
4	Cyclobutane, ethyl-	84	C6H12	004806-61-5	64
5	Cyclohexane	84	C6H12	000110-82-7	56





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Instrument :
MSVOA_Y
ClientSampleId :
B102-08-1(8-8.5)

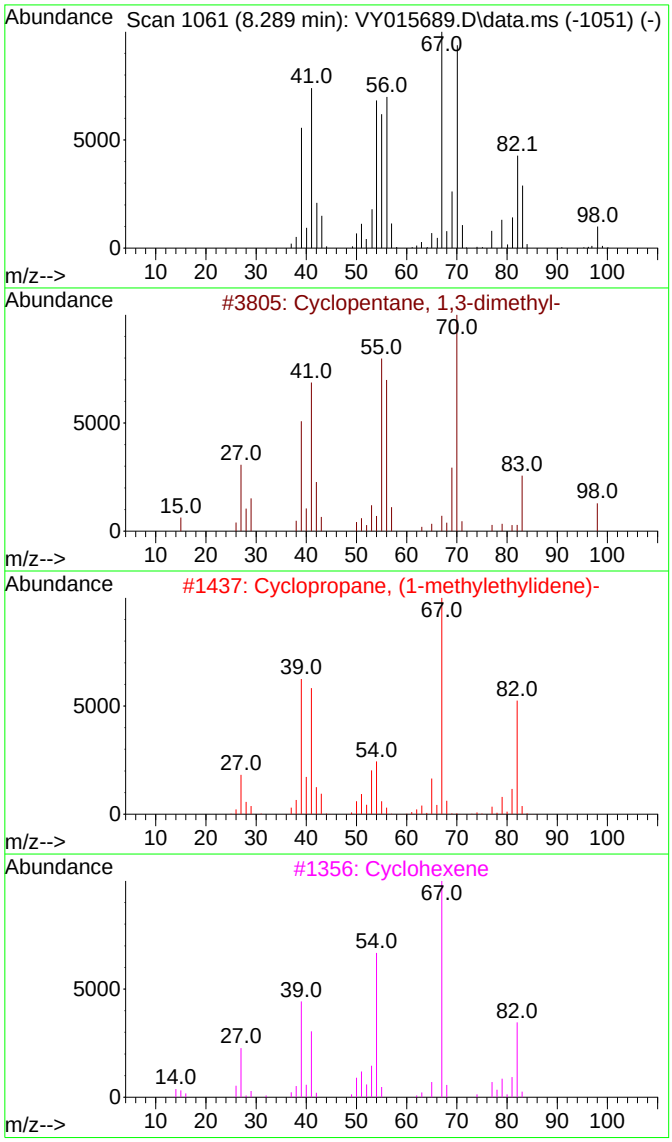
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
Quant Title : SW846 8260

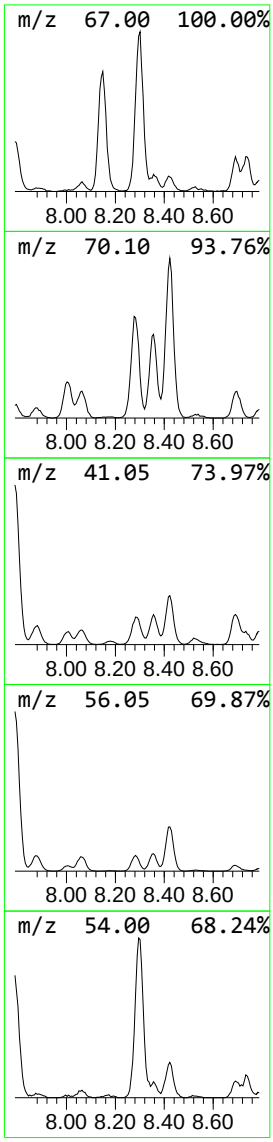
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Cyclopentane, 1,3-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.289	23.48 ug/l	488709	1,4-Difluorobenzene	8.691

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	55
2	Cyclopropane, (1-methylethylidene)-	82	C6H10	004741-86-0	50
3	Cyclohexene	82	C6H10	000110-83-8	49
4	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	46
5	1,3-Pentadiene, 2-methyl-	82	C6H10	001118-58-7	46





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Acq On : 22 Sep 2023 17:04
Operator : SY/MD
Sample : 04566-05
Misc : 4.13g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B102-08-1(8-8.5)

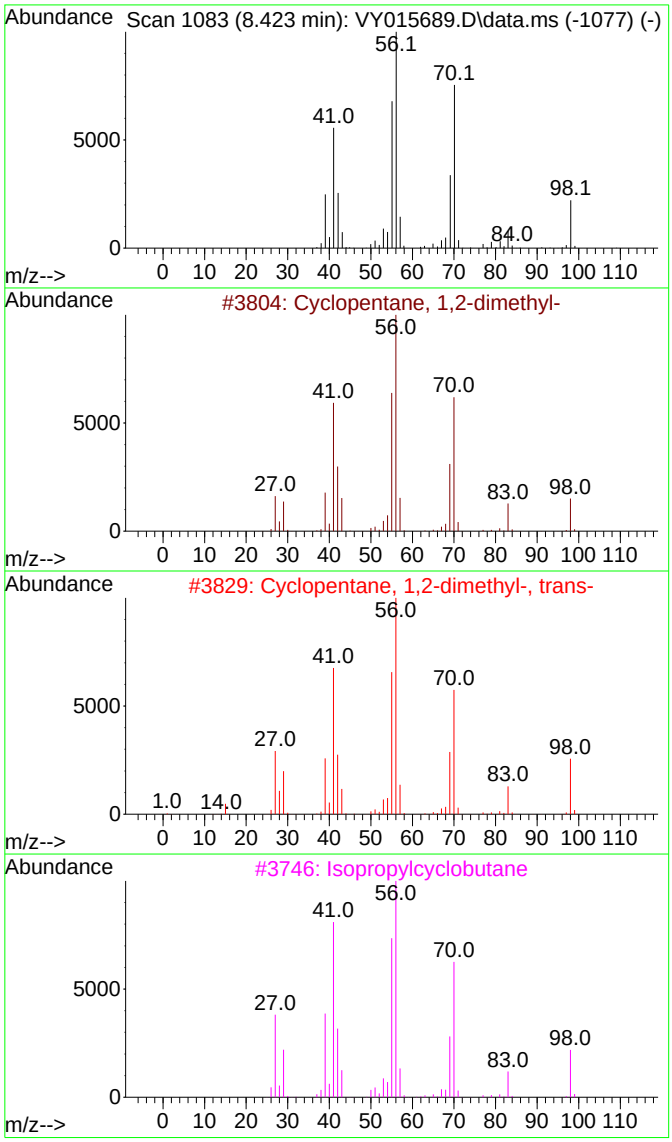
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
Quant Title : SW846 8260

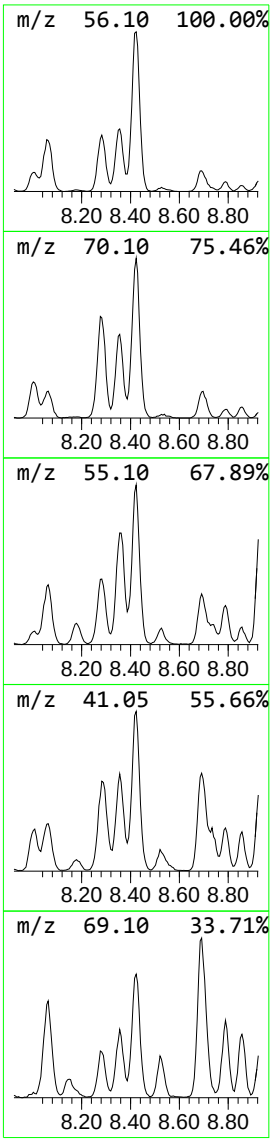
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Cyclopentane, 1,2-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.423	28.42 ug/l	591431	1,4-Difluorobenzene	8.691

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	91
2	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	91
3	Isopropylcyclobutane	98	C7H14	000872-56-0	87
4	2H-Pyran-2,6(3H)-dione, dihydro-...	142	C7H10O3	004160-82-1	72
5	1-Heptene	98	C7H14	000592-76-7	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092223\
Data File : VY015689.D
Acq On : 22 Sep 2023 17:04
Operator : SY/MD
Sample : 04566-05
Misc : 4.13g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B102-08-1(8-8.5)

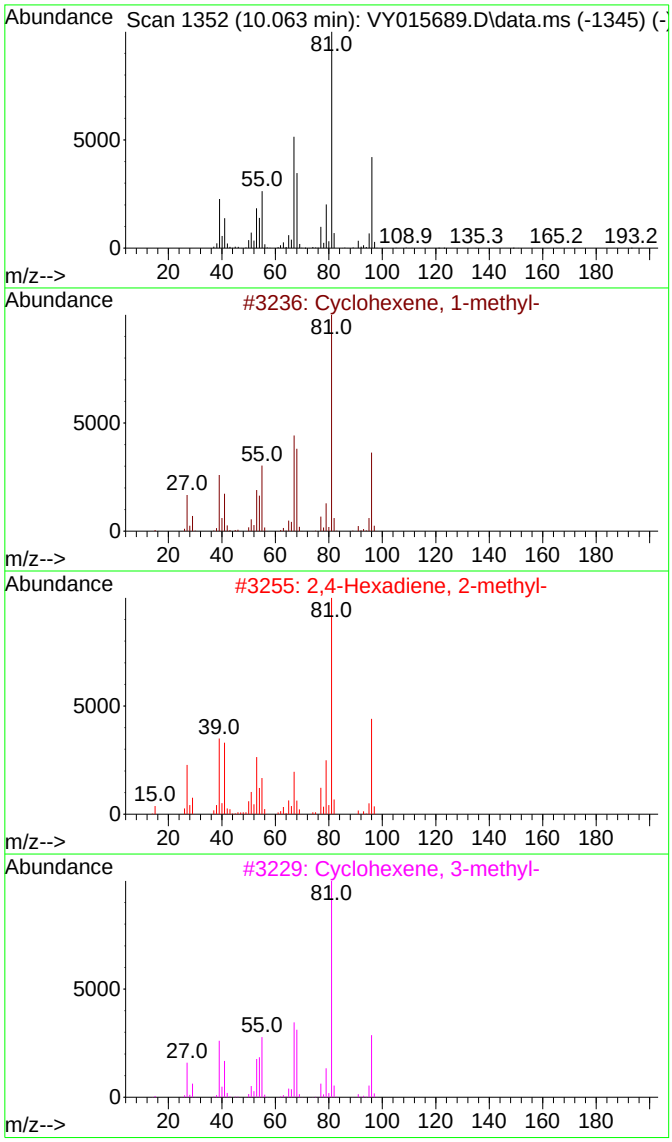
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
Quant Title : SW846 8260

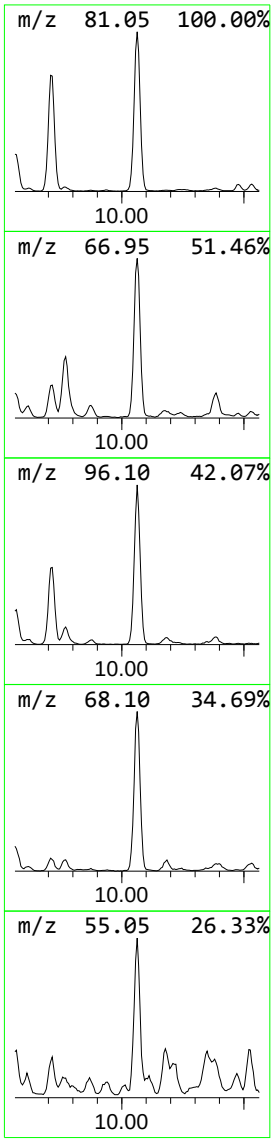
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Cyclohexene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.063	36.81 ug/l	766039	1,4-Difluorobenzene	8.691

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	95
2	2,4-Hexadiene, 2-methyl-	96	C7H12	028823-41-8	93
3	Cyclohexene, 3-methyl-	96	C7H12	000591-48-0	90
4	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	83
5	1,4-Hexadiene, 2-methyl-	96	C7H12	001119-14-8	68





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092223\
Data File : VY015689.D
Acq On : 22 Sep 2023 17:04
Operator : SY/MD
Sample : 04566-05
Misc : 4.13g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B102-08-1(8-8.5)

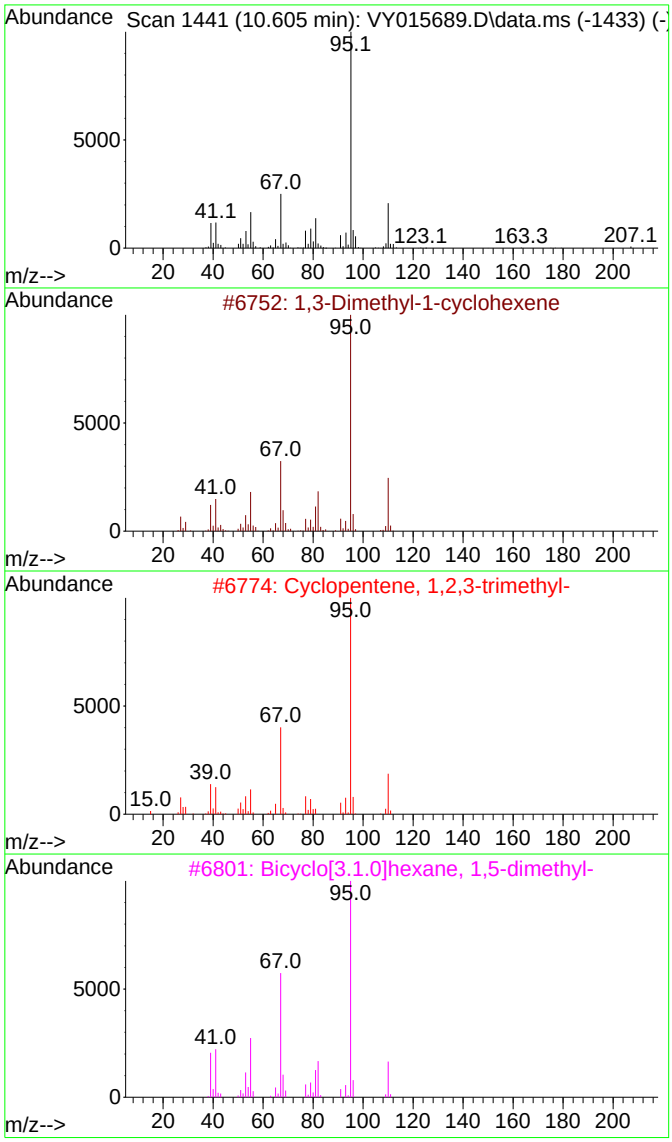
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
Quant Title : SW846 8260

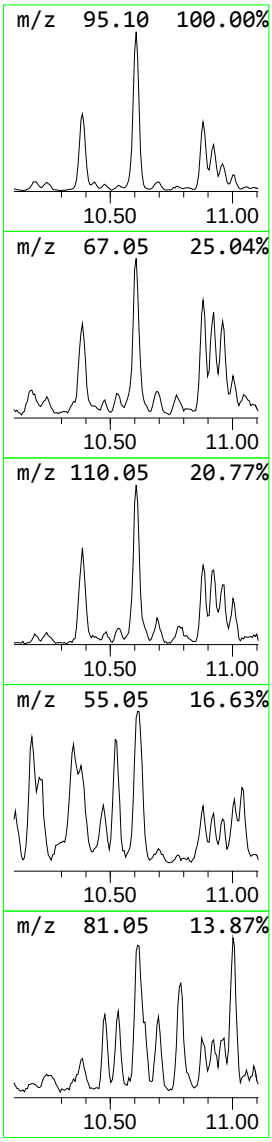
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 1,3-Dimethyl-1-cyclohexene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.605	29.78 ug/l	360207	Chlorobenzene-d5	11.496

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	87
2	Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	83
3	Bicyclo[3.1.0]hexane, 1,5-dimethyl-	110	C8H14	1010142-17-5	81
4	3-Cyclopenten-1-one, 2,2,5,5-tet...	138	C9H14O	081396-36-3	78
5	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092223\
Data File : VY015689.D
Acq On : 22 Sep 2023 17:04
Operator : SY/MD
Sample : 04566-05
Misc : 4.13g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B102-08-1(8-8.5)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
Quant Title : SW846 8260

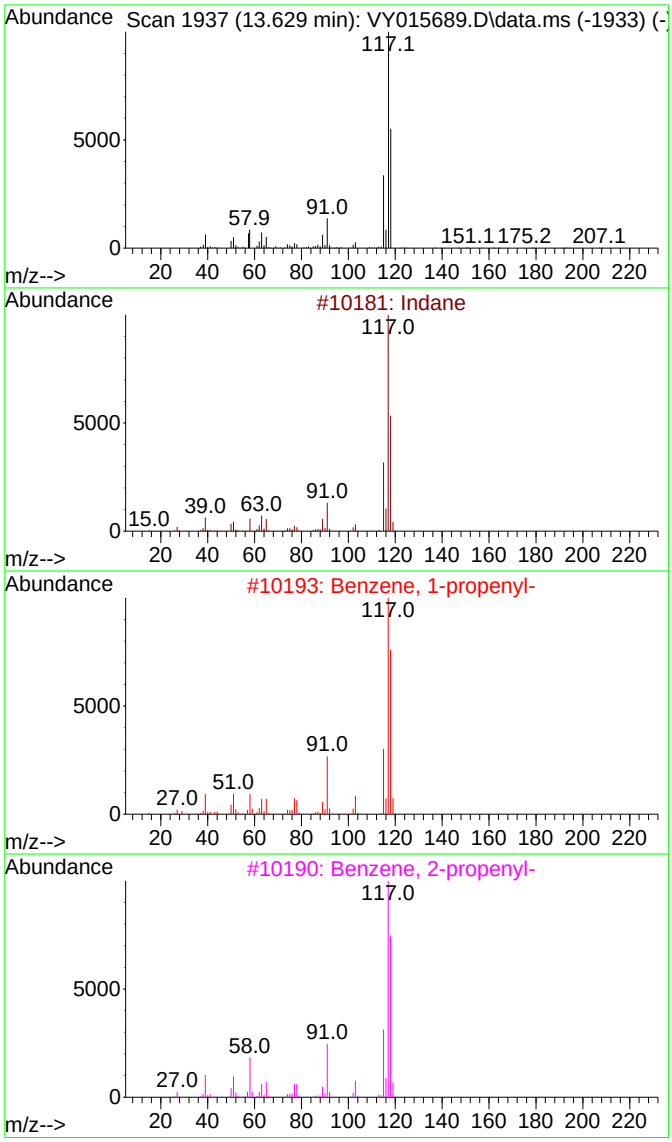
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

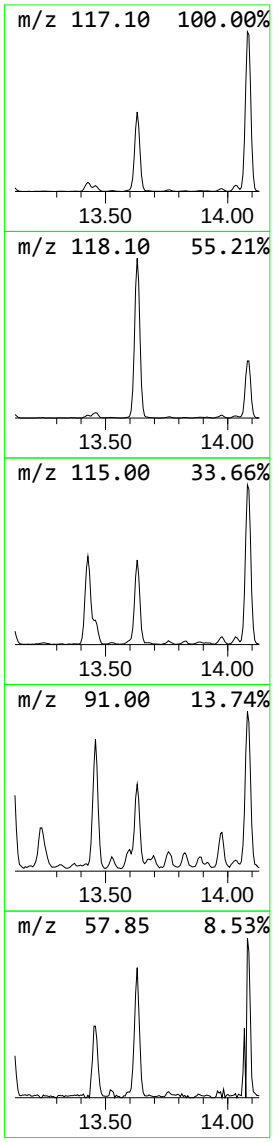
****

Peak Number 9 Indane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.629	30.95 ug/l	475026	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	94
2	Benzene, 1-propenyl-	118	C9H10	000637-50-3	64
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	64
4	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64
5	Benzene, 1,1'-(1,5-hexadiene-1,6...	234	C18H18	004439-45-6	59





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Data File : VY015689.D
Acq On : 22 Sep 2023 17:04
Operator : SY/MD
Sample : 04566-05
Misc : 4.13g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B102-08-1(8-8.5)

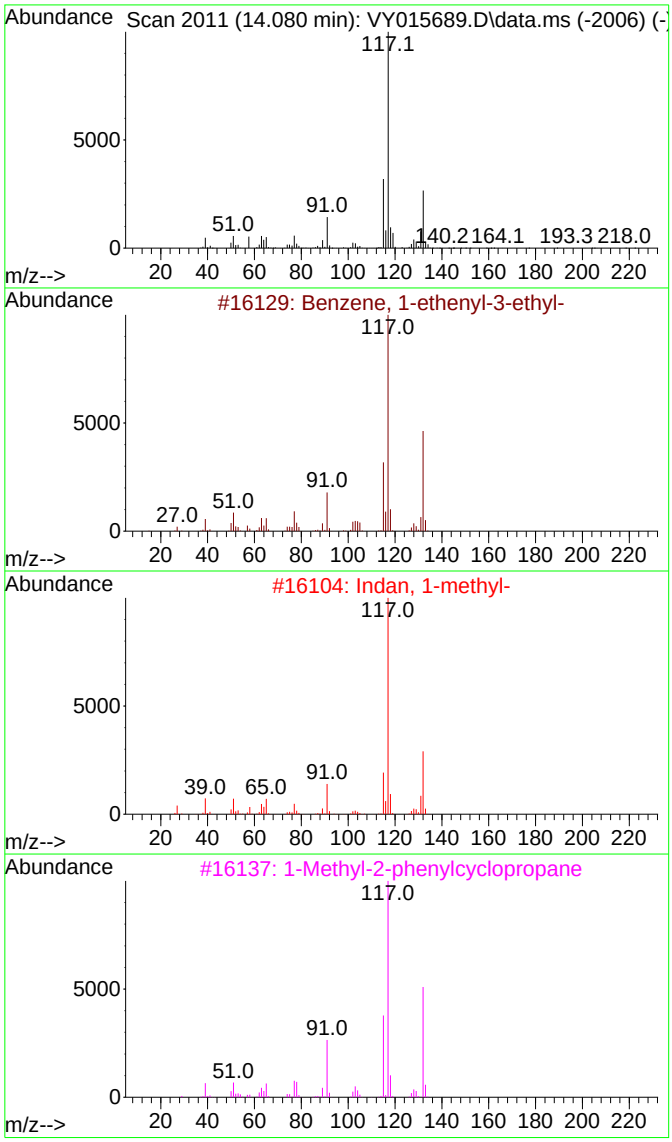
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
Quant Title : SW846 8260

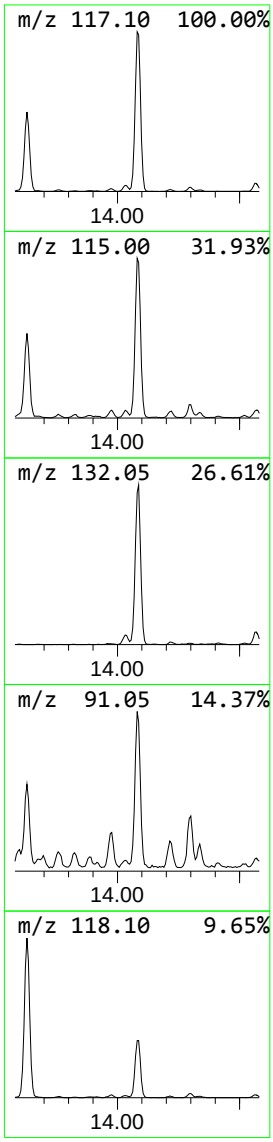
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.080	64.09 ug/l	983606	1,4-Dichlorobenzene-d4	13.428

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	90
2	Indan, 1-methyl-	132	C10H12	000767-58-8	87
3	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	87
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	83
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	83





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092223\
Data File : VY015689.D
Acq On : 22 Sep 2023 17:04
Operator : SY/MD
Sample : 04566-05
Misc : 4.13g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B102-08-1(8-8.5)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.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
Butane, 2-methyl-	2.900	83.4	ug/l	3872460	1	7.795	2321790	50.0
Cyclobutane, me...	4.808	38.1	ug/l	1771320	1	7.795	2321790	50.0
Pentane, 3-methyl-	5.241	23.0	ug/l	1067480	1	7.795	2321790	50.0
Cyclopentane, m...	6.795	50.0	ug/l	2320300	1	7.795	2321790	50.0
Cyclopentane, 1...	8.289	23.5	ug/l	488709	2	8.691	1040660	50.0
Cyclopentane, 1...	8.423	28.4	ug/l	591431	2	8.691	1040660	50.0
Cyclohexene, 1-...	10.063	36.8	ug/l	766039	2	8.691	1040660	50.0
1,3-Dimethyl-1-...	10.605	29.8	ug/l	360207	3	11.496	604754	50.0
Indane	13.629	30.9	ug/l	475026	4	13.428	767382	50.0
Benzene, 1-ethe...	14.080	64.1	ug/l	983606	4	13.428	767382	50.0