LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
Data File : VY022983.D
Acq On : 08 Jul 2025 18:10
Operator : SY/MD
Sample : Q2480-02
Misc : 6.18g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GPX2

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\82Y062325S.M
Title : SW846 8260

Signal : TIC: VY022983.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.836	175	183	197	rBV	717856	1559575	2.91%	0.207%
2	4.659	460	482	516	rVB2	1026159	5068602	9.45%	0.674%
3	5.128	543	559	580	rBV	679950	2400320	4.47%	0.319%
4	5.640	630	643	660	rBV	1090762	3363129	6.27%	0.447%
5	6.689	805	815	825	rVV	2207867	6720353	12.52%	0.893%
6	7.439	931	938	948	rVB	862151	2153161	4.01%	0.286%
7	7.695	959	980	989	rBV5	3631695	11694969	21.80%	1.554%
8	7.792	989	996	1007	rVB3	985703	2864476	5.34%	0.381%
9	7.921	1007	1017	1023	rBV	2728923	6400715	11.93%	0.851%
10	8.201	1054	1063	1069	rBV4	1930253	5158876	9.61%	0.686%
11	8.268	1069	1074	1080	rVV3	1337230	3099365	5.78%	0.412%
12	8.341	1080	1086	1097	rVB	1810023	4315856	8.04%	0.574%
13	8.469	1097	1107	1121	rVB	3731953	7521907	14.02%	1.000%
14	8.609	1121	1130	1135	rBV2	2339220	5210620	9.71%	0.692%
15	8.890	1172	1176	1196	rVB2	642083	1746842	3.26%	0.232%
16	9.109	1196	1212	1218	rBV	15840608	33610118	62.64%	4.467%
17	9.170	1218	1222	1230	rVB2	1032539	1964545	3.66%	0.261%
18	9.292	1230	1242	1249	rBV	1763815	3429310	6.39%	0.456%
19	9.390	1249	1258	1264	rBV	1510180	3266984	6.09%	0.434%
20	9.536	1277	1282	1288	rVB2	1956878	3523494	6.57%	0.468%
21	9.634	1293	1298	1302	rBV	2179577	3770414	7.03%	0.501%
22	9.682	1302	1306	1311	rVB2	1351267	2268411	4.23%	0.301%
23	9.749	1311	1317	1320	rBV	3703877	6524972	12.16%	0.867%
24	9.884	1329	1339	1350	rBV2	3913465	9694003	18.07%	1.288%
25	9.987	1350	1356	1360	rBV	2722462	4842068	9.02%	0.643%
26	10.103	1368	1375	1379	rBV	8476947	15265834	28.45%	2.029%
27	10.140	1379	1381	1387	rVB2	2891365	4194043	7.82%	0.557%
28	10.231	1387	1396	1398	rBV	1372556	2431182	4.53%	0.323%
29	10.298	1398	1407	1413	rVB3	9395152	19056073	35.51%	2.532%
30	10.444	1427	1431	1440	rVB2	3603938	6317397	11.77%	0.840%
31	10.536	1440	1446	1453	rBV3	4345236	9481938	17.67%	1.260%
32	10.640	1458	1463	1468	rVB3	1249991	2221543	4.14%	0.295%
33	10.731	1468	1478	1483	rBV2	2463846	4640390	8.65%	0.617%
34	10.804	1483	1490	1491	rBV2	1110225	2114590	3.94%	0.281%
35	10.835	1491	1495	1500	rVV2	2169775	4322379	8.06%	0.574%
36	10.889	1500	1504	1507	rVV4	1942507	3273259	6.10%	0.435%

LSC Area Percent Report

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ClientSampleId :
GPX2

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

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Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Title : SW846 8260

37	10.926	1507	1510	1512	rVV	2071024	3069506	5.72%	0.408%
38	10.963	1512	1516	1520	rVV	6247374	10094448	18.81%	1.342%
39	11.018	1520	1525	1530	rVV	5404642	9494175	17.69%	1.262%
40	11.072	1530	1534	1538	rVV2	1627753	2648093	4.94%	0.352%
41	11.127	1538	1543	1548	rVB2	2339104	4087857	7.62%	0.543%
42	11.213	1548	1557	1567	rVB3	5261964	14206346	26.48%	1.888%
43	11.304	1567	1572	1582	rBV	4078678	8278393	15.43%	1.100%
44	11.420	1586	1591	1596	rBV2	2408487	4135695	7.71%	0.550%
45	11.511	1601	1606	1610	rBV3	1067891	2227128	4.15%	0.296%
46	11.639	1616	1627	1635	rBV3	9810631	24694602	46.02%	3.282%
47	11.700	1635	1637	1642	rVB2	2484754	3550665	6.62%	0.472%
48	11.816	1651	1656	1660	rBV2	1172656	2203580	4.11%	0.293%
49	11.950	1668	1678	1686	rBV4	5238760	15779525	29.41%	2.097%
50	12.048	1690	1694	1697	rVB	1894856	2422171	4.51%	0.322%
51	12.121	1697	1706	1710	rBV3	3580076	7489384	13.96%	0.995%
52	12.170	1710	1714	1718	rVB3	3283223	5018296	9.35%	0.667%
53	12.304	1731	1736	1739	rBV4	1189039	2432222	4.53%	0.323%
54	12.401	1749	1752	1756	rVB3	1406049	1918115	3.57%	0.255%
55	12.444	1756	1759	1763	rBV2	1529800	1900874	3.54%	0.253%
56	12.487	1763	1766	1771	rVB5	909005	1599376	2.98%	0.213%
57	12.566	1775	1779	1786	rVB3	2334452	4408571	8.22%	0.586%
58	12.657	1786	1794	1795	rBV3	2718415	4439803	8.27%	0.590%
59	12.688	1795	1799	1802	rVV	13256018	19708333	36.73%	2.619%
60	12.731	1802	1806	1812	rVV2	36169972	53656724	100.00%	7.131%
61	12.779	1812	1814	1819	rVB3	936133	1304805	2.43%	0.173%
62	12.889	1824	1832	1840	rBV	11202509	19679549	36.68%	2.615%
63	12.962	1840	1844	1852	rVB2	2481708	4338273	8.09%	0.577%
64	13.042	1852	1857	1861	rBV	2599055	4035654	7.52%	0.536%
65	13.090	1861	1865	1871	rVB5	875357	1328309	2.48%	0.177%
66	13.170	1871	1878	1881	rBV4	979390	2186818	4.08%	0.291%
67	13.237	1881	1889	1893	rBV2	5144365	8703267	16.22%	1.157%
68	13.285	1893	1897	1901	rVV2	3061096	4483596	8.36%	0.596%
69	13.377	1904	1912	1917	rVV	22621760	35641017	66.42%	4.737%
70	13.420	1917	1919	1926	rVB2	928794	1714668	3.20%	0.228%
71	13.511	1929	1934	1936	rBV	4854406	6950456	12.95%	0.924%
72	13.541	1936	1939	1942	rVV	10751857	15173252	28.28%	2.016%
73	13.584	1942	1946	1954	rVB2	18842800	29310742	54.63%	3.895%
74	13.669	1954	1960	1965	rBV2	6914777	10358300	19.30%	1.377%
75	13.737	1965	1971	1978	rBV	3785023	6037189	11.25%	0.802%
76	13.834	1984	1987	1991	rVB2	1626661	2143957	4.00%	0.285%

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Sample : Q2480-02
Misc : 6.18g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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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	13.889	1991	1996	2001	rBV	10372575	14162835	26.40%	1.882%
78	13.944	2001	2005	2008	rBV	1760370	2508268	4.67%	0.333%
79	13.999	2008	2014	2019	rVV	12877124	19458858	36.27%	2.586%
80	14.047	2019	2022	2030	rVB5	1348166	3110848	5.80%	0.413%
81	14.133	2030	2036	2040	rBV2	3919448	6624937	12.35%	0.880%
82	14.212	2040	2049	2052	rVV2	6783055	12385900	23.08%	1.646%
83	14.249	2052	2055	2059	rVV	8927974	12283941	22.89%	1.632%
84	14.297	2059	2063	2066	rVV	5025894	6924583	12.91%	0.920%
85	14.340	2066	2070	2077	rVV5	4372678	8898680	16.58%	1.183%
86	14.438	2081	2086	2089	rVV	2856412	3783526	7.05%	0.503%
87	14.480	2089	2093	2098	rVV3	3777890	6904910	12.87%	0.918%
88	14.529	2098	2101	2105	rVB	4152867	5422877	10.11%	0.721%
89	14.596	2105	2112	2118	rBV3	12494767	26195181	48.82%	3.481%
90	14.651	2118	2121	2127	rVB2	2549358	4096734	7.64%	0.544%
91	14.749	2133	2137	2140	rBV	1159676	1515438	2.82%	0.201%
92	14.816	2145	2148	2150	rVV	1295865	1793309	3.34%	0.238%
93	14.858	2150	2155	2158	rVV2	5226463	9498313	17.70%	1.262%
94	14.889	2158	2160	2166	rVV	2819108	4305283	8.02%	0.572%
95	14.968	2166	2173	2182	rVB	4661516	10390140	19.36%	1.381%
96	15.139	2190	2201	2207	rBV2	1989138	4722810	8.80%	0.628%
97	15.248	2214	2219	2223	rBV2	1475399	2480992	4.62%	0.330%
98	15.425	2241	2248	2255	rBV	1486145	2829363	5.27%	0.376%
99	15.584	2265	2274	2278	rBV4	860008	2366986	4.41%	0.315%
100	16.364	2395	2402	2415	rVB	659197	1463129	2.73%	0.194%

Sum of corrected areas: 752473288

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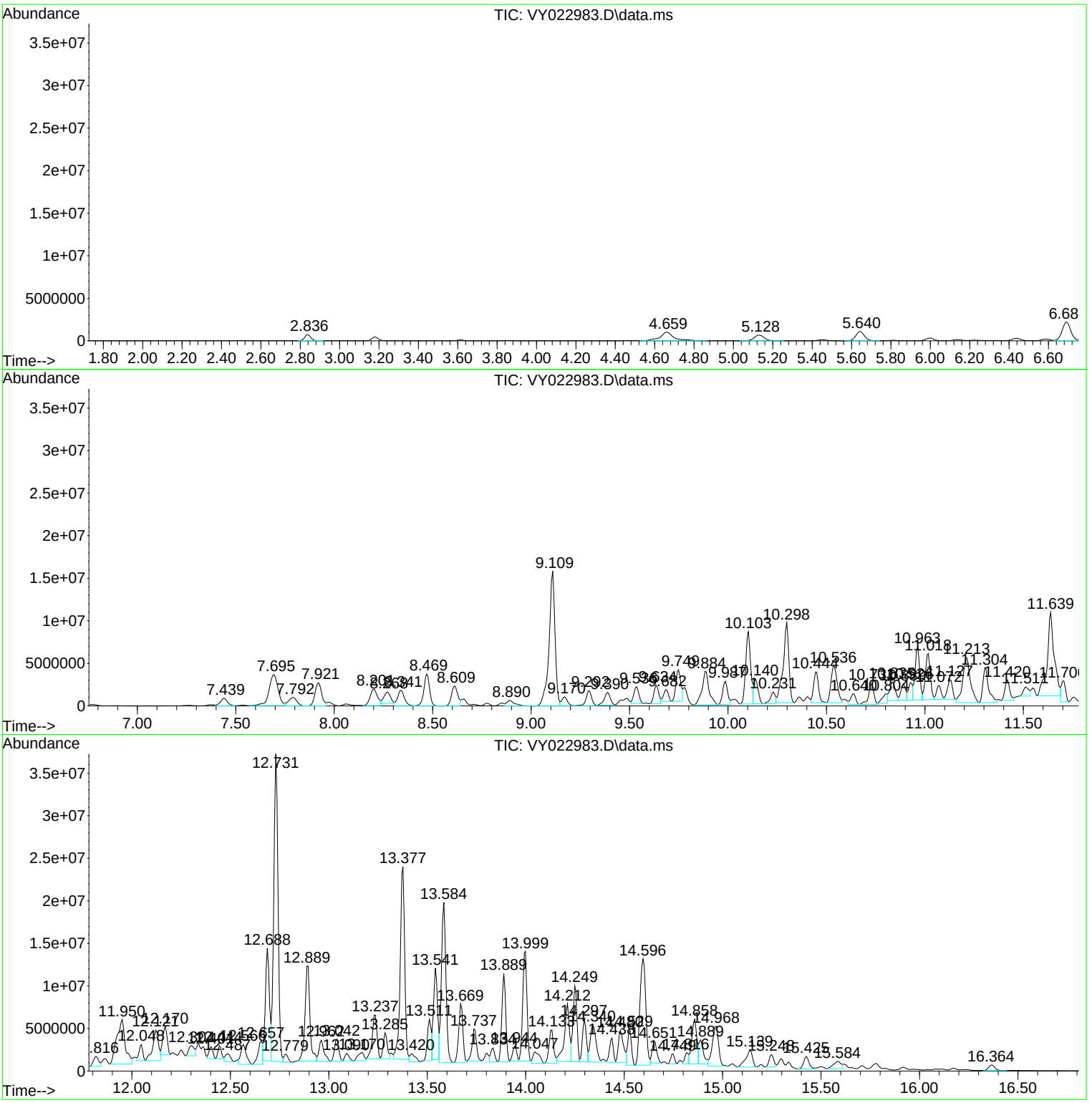
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
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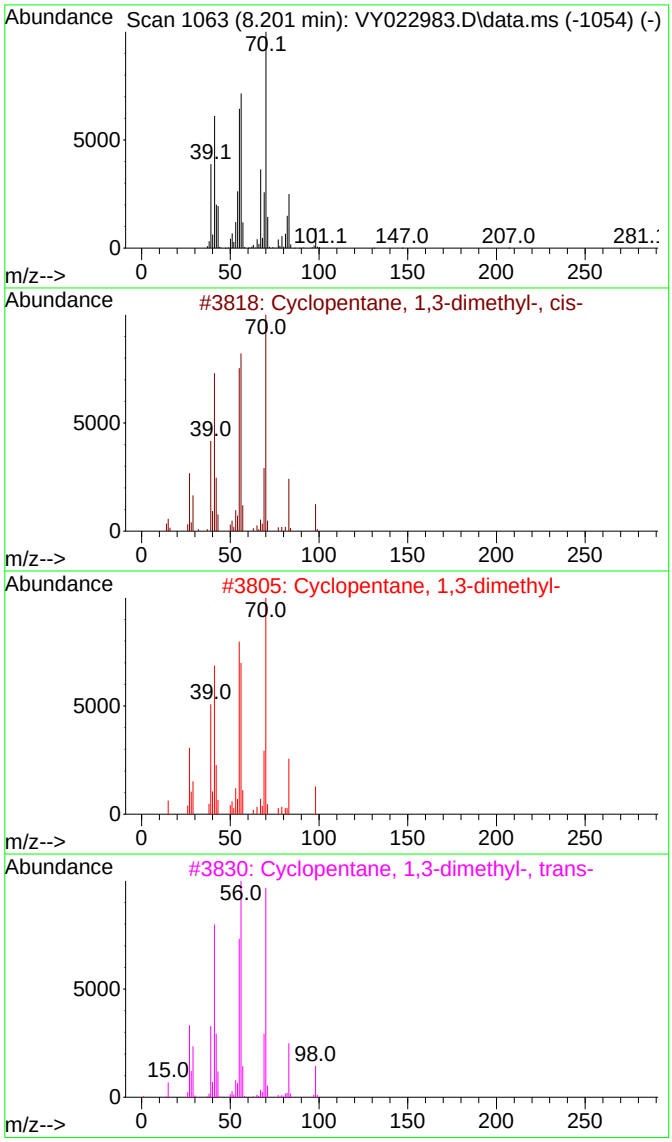
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

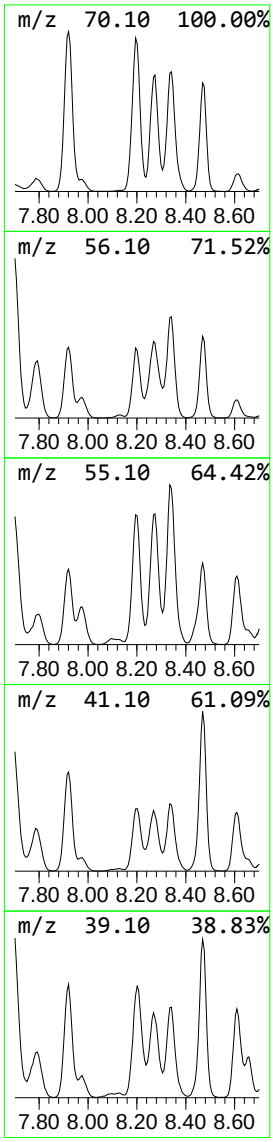
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Cyclopentane, 1,3-dimethyl-... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.201	49.50 ug/l	5158880	1,4-Difluorobenzene	8.616

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	94
2	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	93
3	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	64
4	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	60
5	Cyclobutanone, 2,2-dimethyl-	98	C6H10O	001192-14-9	47





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Data File : VY022983.D
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Misc : 6.18g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GPX2

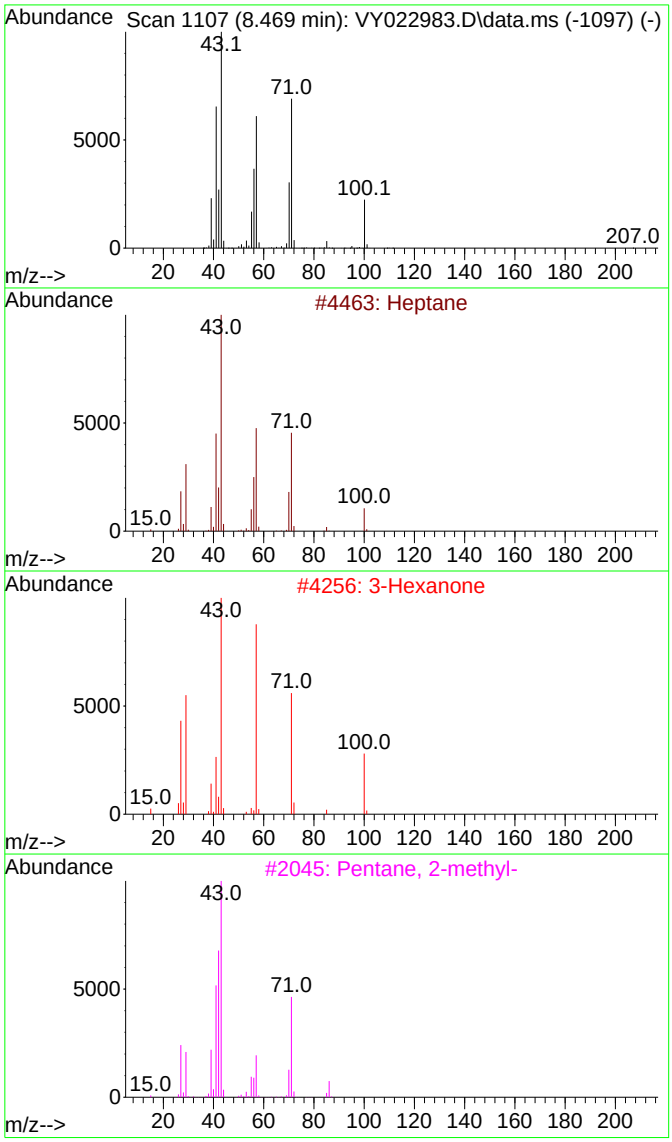
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

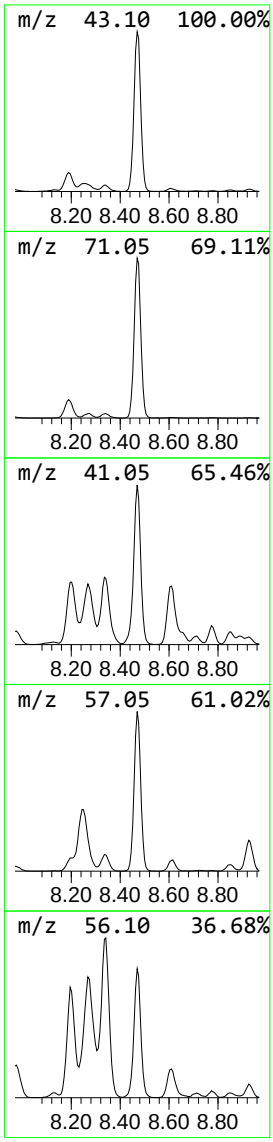
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Heptane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.469	72.18 ug/l	7521910	1,4-Difluorobenzene	8.616

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane	100	C7H16	000142-82-5	91
2	3-Hexanone	100	C6H12O	000589-38-8	50
3	Pentane, 2-methyl-	86	C6H14	000107-83-5	43
4	Acetaldehyde, propylhydrazone	100	C5H12N2	007422-88-0	43
5	Butane, 2,2-dimethyl-	86	C6H14	000075-83-2	37





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ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GPX2

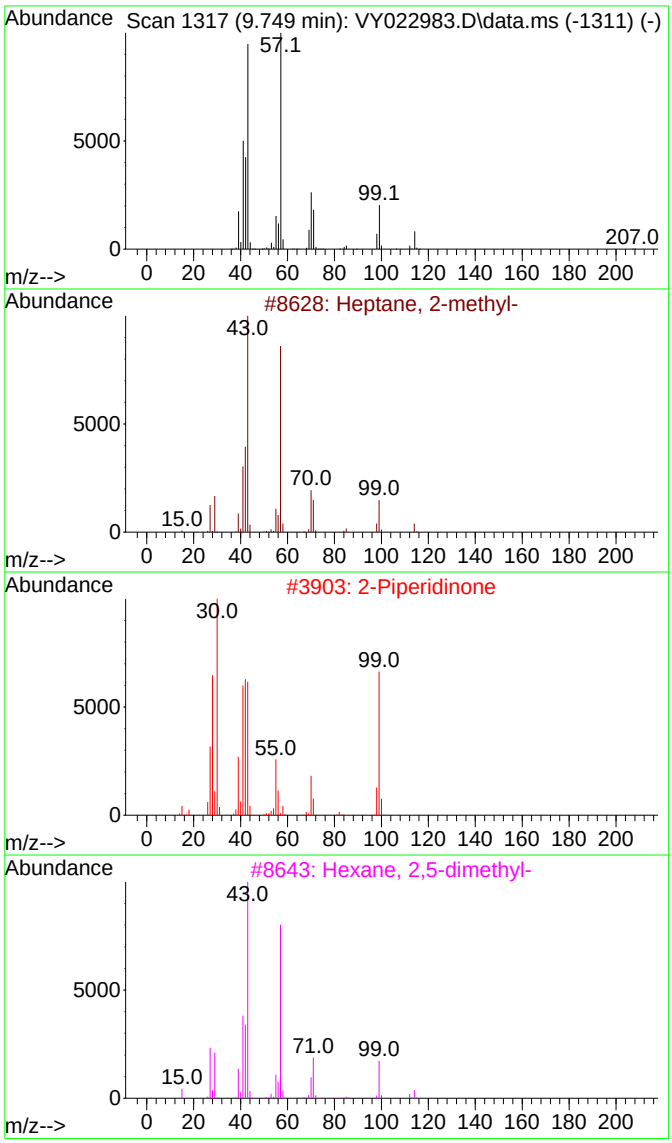
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

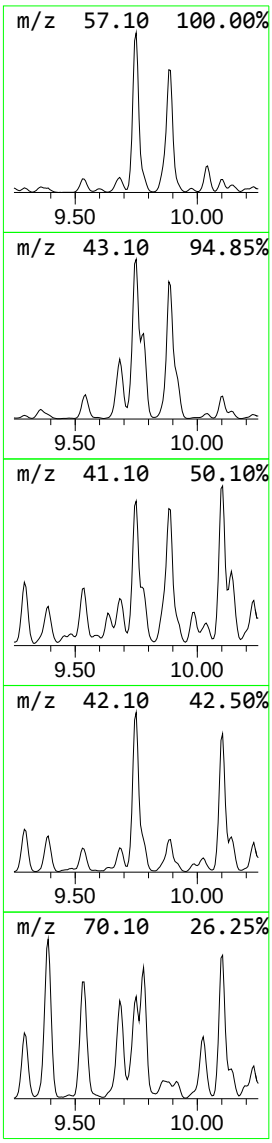
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Heptane, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.749	62.61 ug/l	6524970	1,4-Difluorobenzene	8.616

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2-methyl-	114	C8H18	000592-27-8	94
2	2-Piperidinone	99	C5H9NO	000675-20-7	64
3	Hexane, 2,5-dimethyl-	114	C8H18	000592-13-2	58
4	Heptane, 1,1'-oxybis-	214	C14H30O	000629-64-1	40
5	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	38





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Data File : VY022983.D
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Misc : 6.18g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GPX2

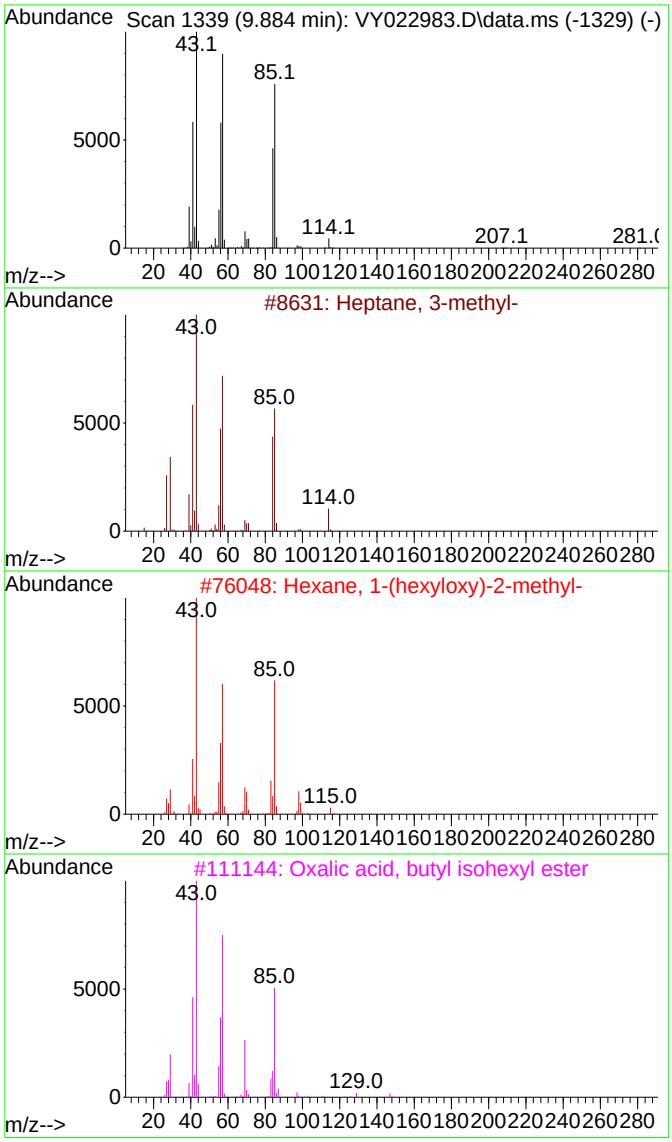
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

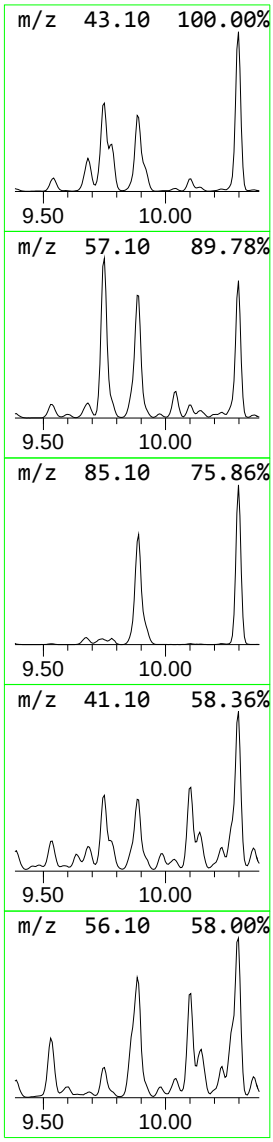
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Heptane, 3-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.884	93.02 ug/l	9694000	1,4-Difluorobenzene	8.616

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 3-methyl-	114	C8H18	000589-81-1	90
2	Hexane, 1-(hexyloxy)-2-methyl-	200	C13H28O	074421-17-3	72
3	Oxalic acid, butyl isohexyl ester	230	C12H22O4	1000309-32-7	64
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	64
5	Hexane, 2-methyl-	100	C7H16	000591-76-4	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
Data File : VY022983.D
Acq On : 08 Jul 2025 18:10
Operator : SY/MD
Sample : Q2480-02
Misc : 6.18g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GPX2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

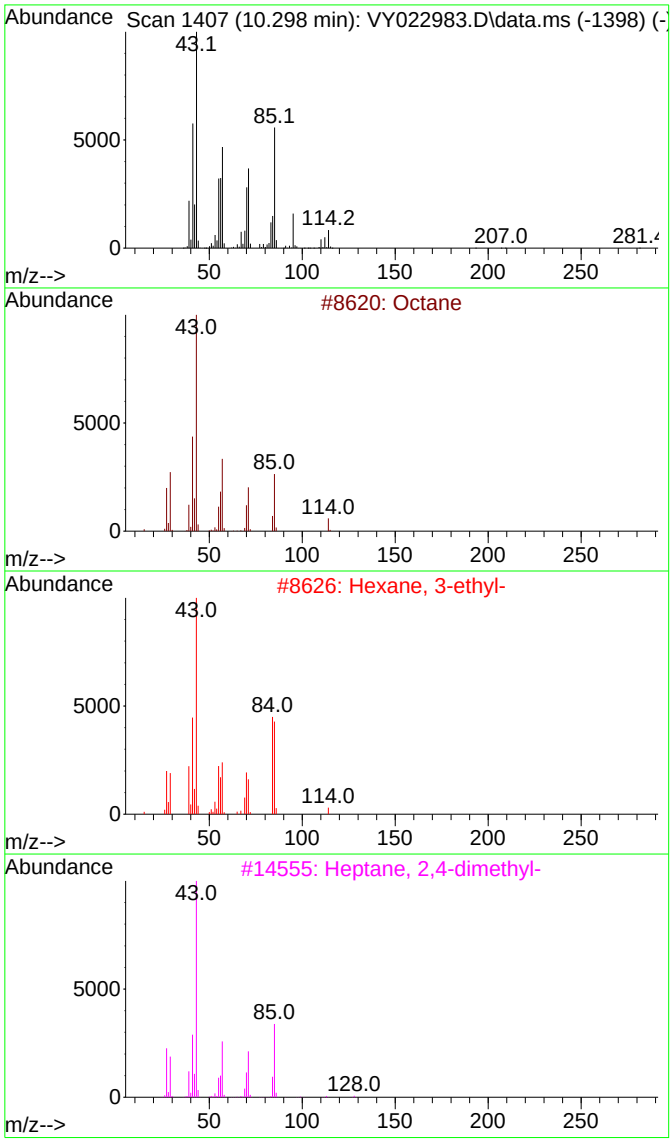
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

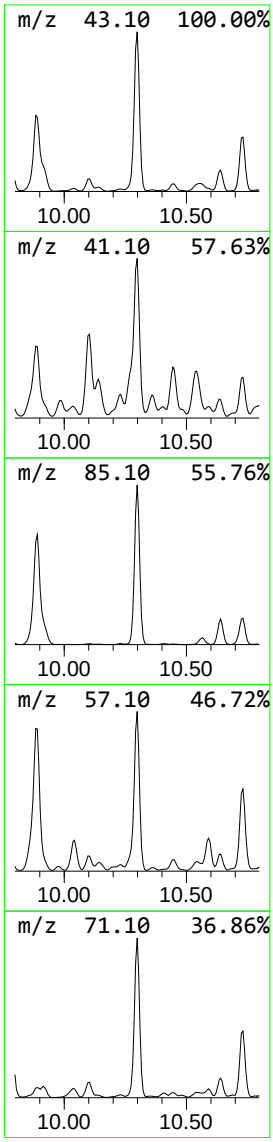
****

Peak Number 5 Octane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.298	230.38 ug/l	19056100	Chlorobenzene-d5	11.414

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane	114	C8H18	000111-65-9	87
2	Hexane, 3-ethyl-	114	C8H18	000619-99-8	72
3	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	53
4	2-Ethylpiperazine	114	C6H14N2	013961-37-0	49
5	Sulfurous acid, hexyl pentadecyl...	376	C21H44O3S	1000309-13-7	43





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Data File : VY022983.D
Acq On : 08 Jul 2025 18:10
Operator : SY/MD
Sample : Q2480-02
Misc : 6.18g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GPX2

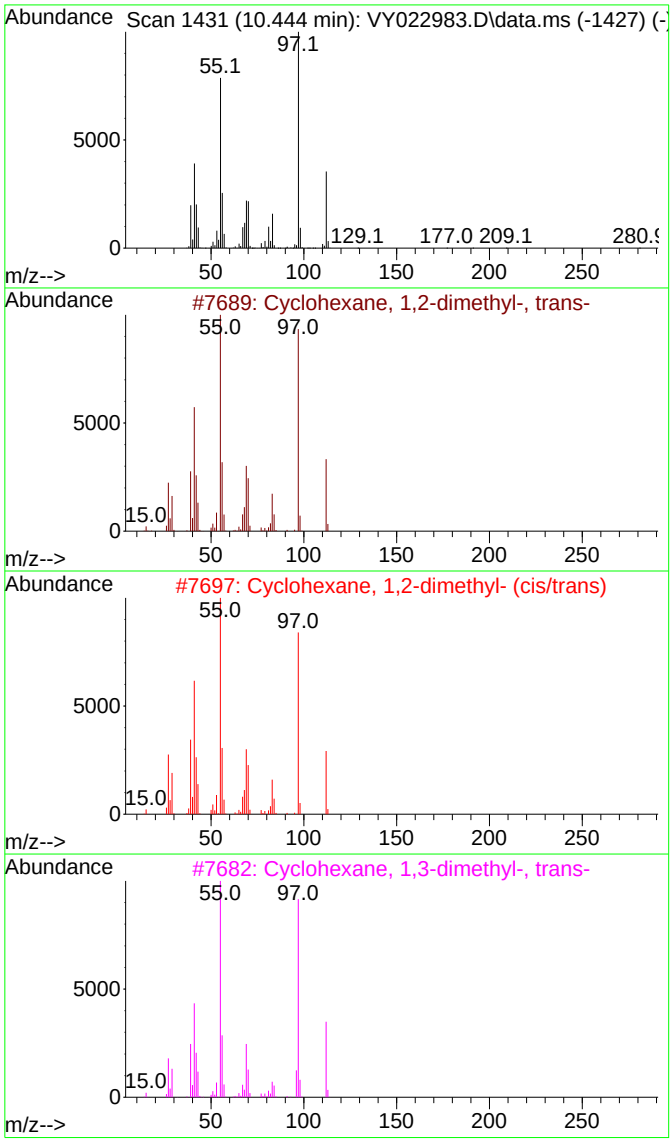
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

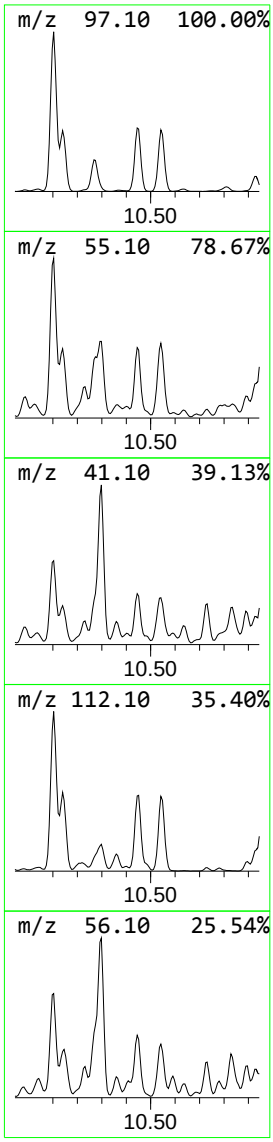
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Cyclohexane, 1,2-dimethyl-,... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.444	76.38 ug/l	6317400	Chlorobenzene-d5	11.414

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, trans-	112	C8H16	006876-23-9	94
2	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	90
3	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	87
4	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	83
5	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	76





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Data File : VY022983.D
Acq On : 08 Jul 2025 18:10
Operator : SY/MD
Sample : Q2480-02
Misc : 6.18g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GPX2

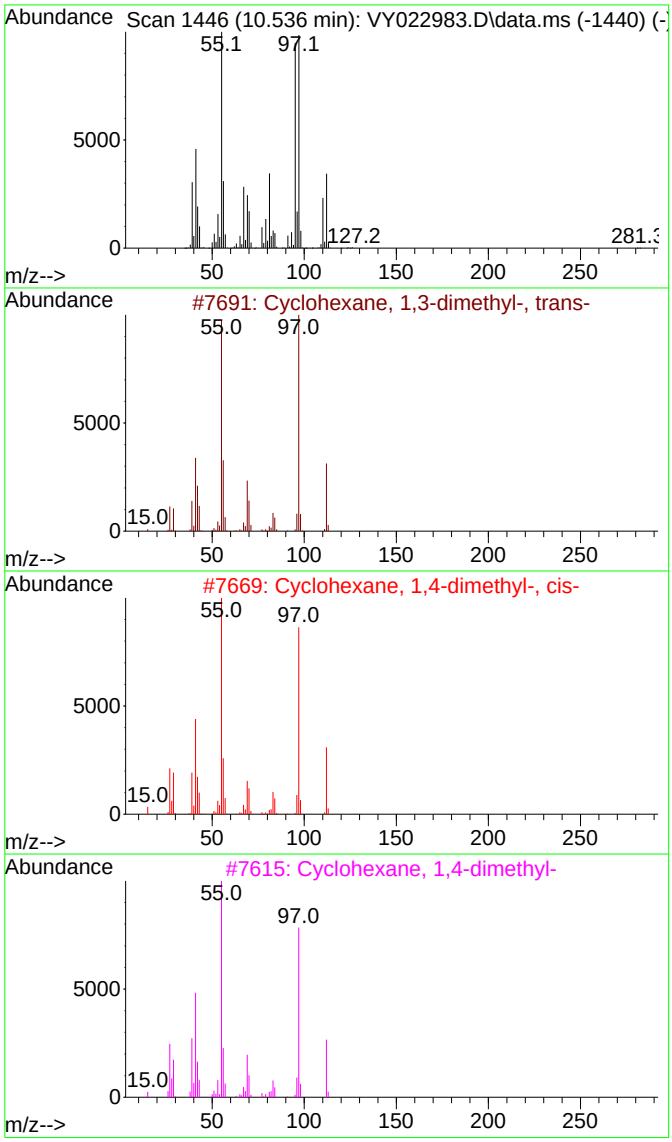
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

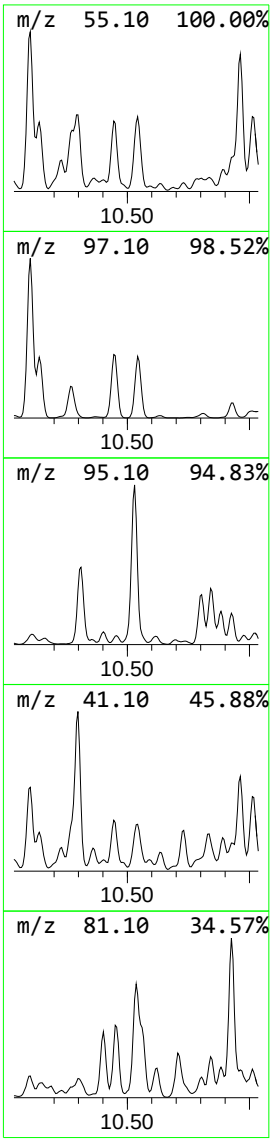
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Cyclohexane, 1,3-dimethyl-,... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.536	114.64 ug/l	9481940	Chlorobenzene-d5	11.414

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	90
2	Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	60
3	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	60
4	Cyclohexane, 1,4-dimethyl-, trans-	112	C8H16	002207-04-7	60
5	Cyclohexane, 1,3-dimethyl-, cis-	112	C8H16	000638-04-0	55





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Data File : VY022983.D
Acq On : 08 Jul 2025 18:10
Operator : SY/MD
Sample : Q2480-02
Misc : 6.18g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GPX2

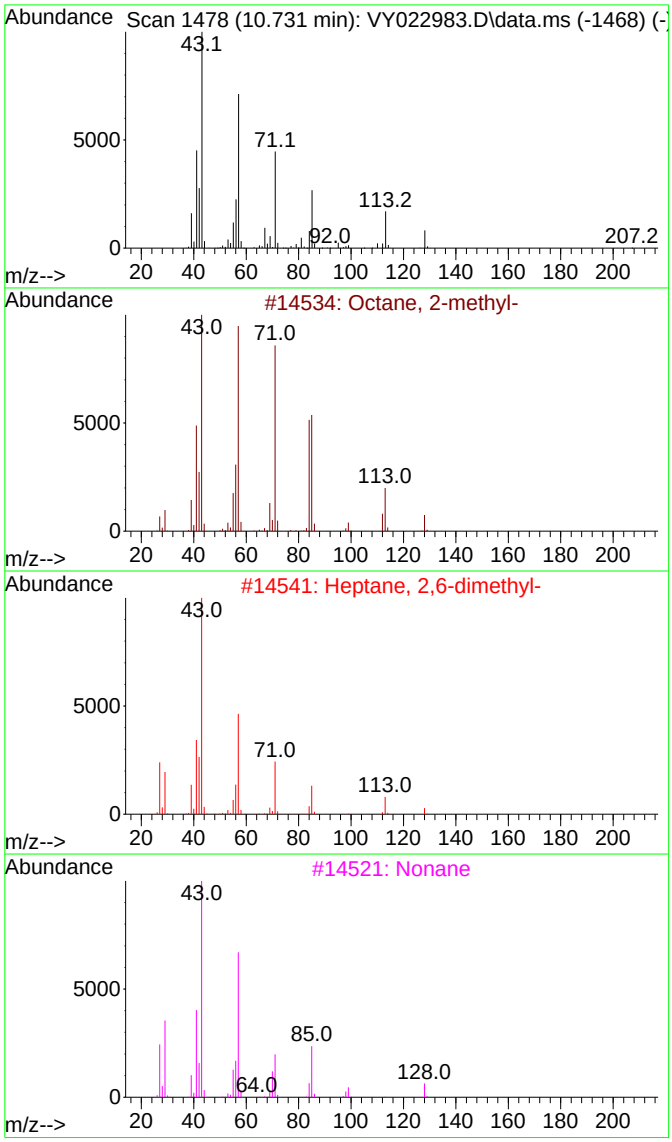
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

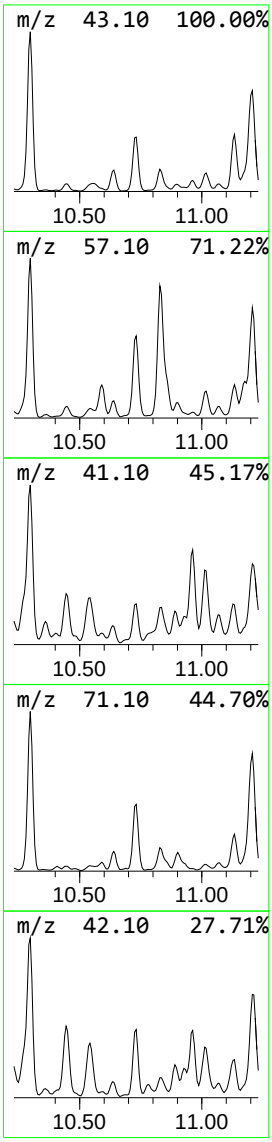
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Octane, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.731	56.10 ug/l	4640390	Chlorobenzene-d5	11.414

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2-methyl-	128	C9H20	003221-61-2	90
2	Heptane, 2,6-dimethyl-	128	C9H20	001072-05-5	90
3	Nonane	128	C9H20	000111-84-2	49
4	1-Nonene, 4,6,8-trimethyl-	168	C12H24	054410-98-9	47
5	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	47





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
Data File : VY022983.D
Acq On : 08 Jul 2025 18:10
Operator : SY/MD
Sample : Q2480-02
Misc : 6.18g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GPX2

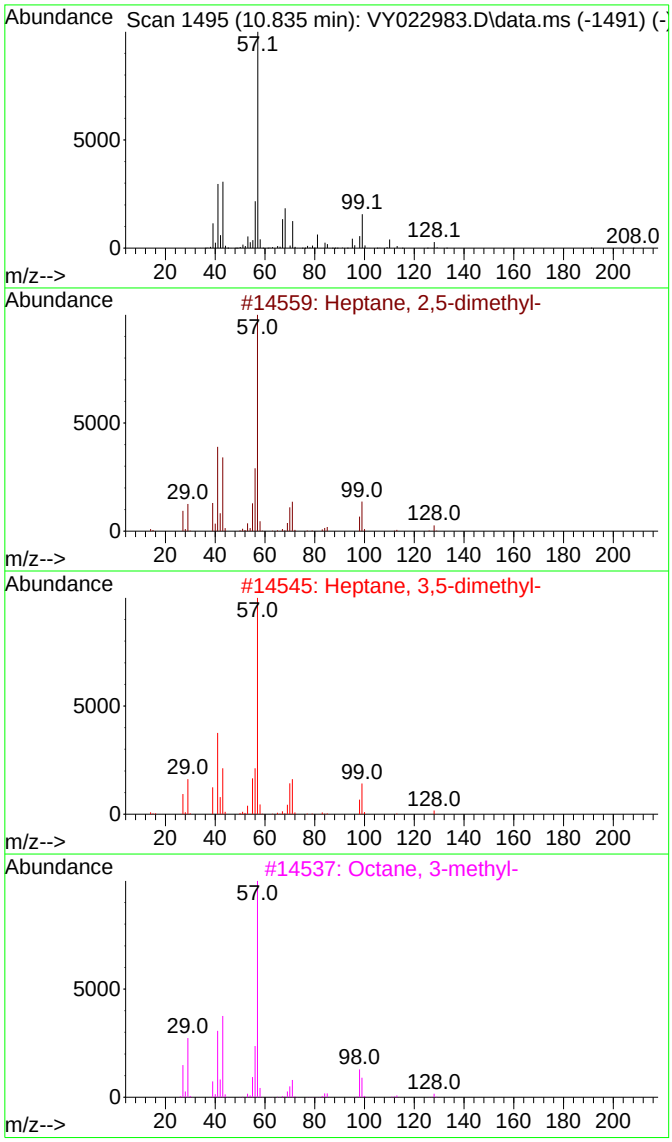
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

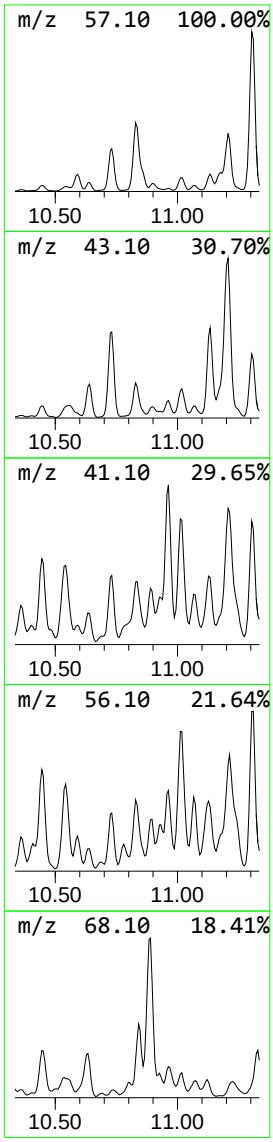
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Heptane, 2,5-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.835	52.26 ug/l	4322380	Chlorobenzene-d5	11.414

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	58
2	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	53
3	Octane, 3-methyl-	128	C9H20	002216-33-3	52
4	Hexanoic acid, 1,1-dimethylethyl...	172	C10H20O2	002492-18-4	47
5	2-Octen-1-ol, (E)-	128	C8H16O	018409-17-1	42





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
Data File : VY022983.D
Acq On : 08 Jul 2025 18:10
Operator : SY/MD
Sample : Q2480-02
Misc : 6.18g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GPX2

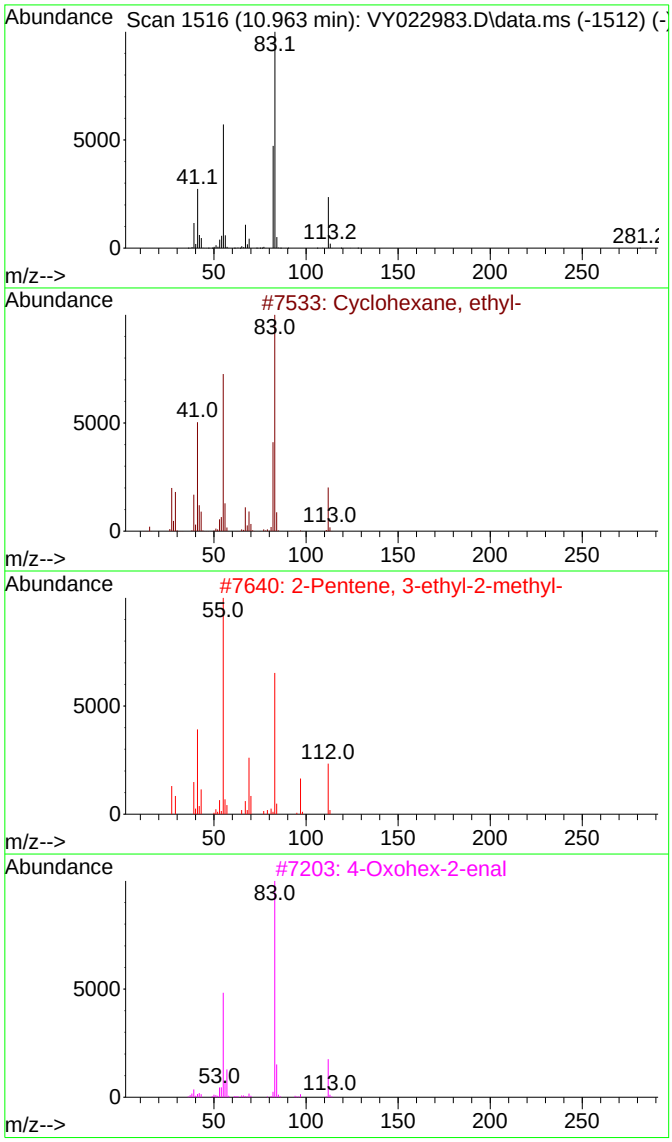
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

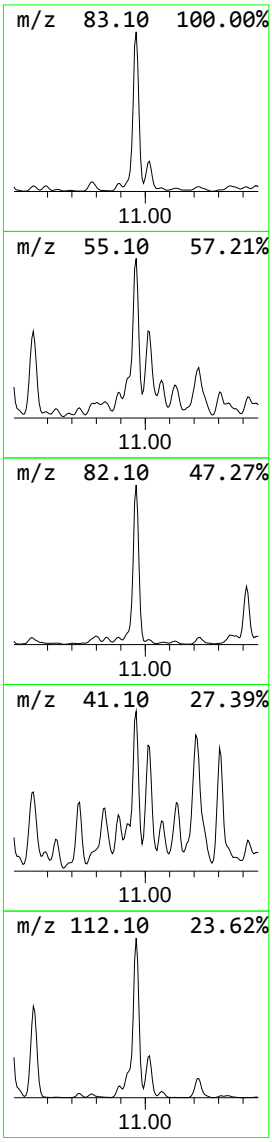
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Cyclohexane, ethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.963	122.04 ug/l	10094400	Chlorobenzene-d5	11.414

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	86
2	2-Pentene, 3-ethyl-2-methyl-	112	C8H16	019780-67-7	53
3	4-Oxohex-2-enal	112	C6H8O2	020697-55-6	53
4	2H-Pyran-2-carboxaldehyde, 5,6-d...	112	C6H8O2	053897-26-0	50
5	Oxalic acid, cyclohexyl nonyl ester	298	C17H30O4	1000309-31-1	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
Data File : VY022983.D
Acq On : 08 Jul 2025 18:10
Operator : SY/MD
Sample : Q2480-02
Misc : 6.18g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GPX2

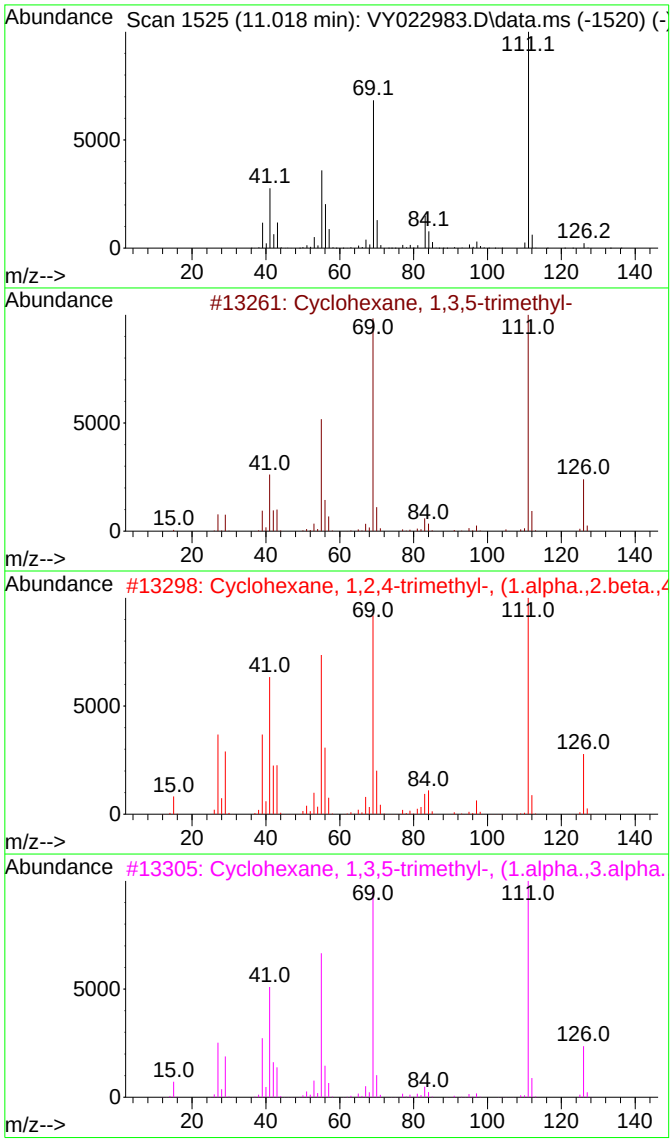
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

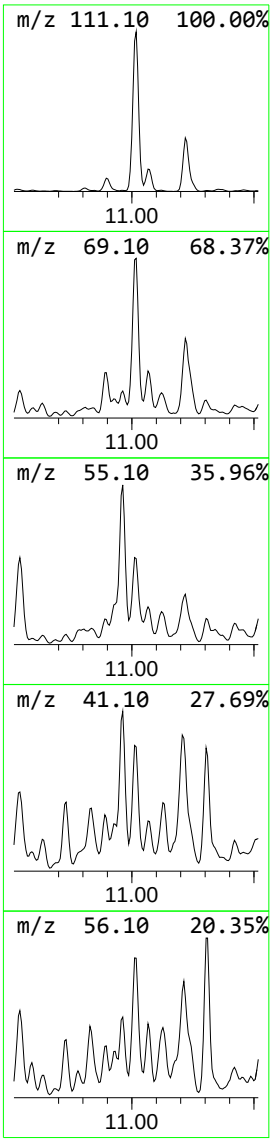
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Cyclohexane, 1,3,5-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.018	114.78 ug/l	9494180	Chlorobenzene-d5	11.414

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3,5-trimethyl-	126	C9H18	001839-63-0	72
2	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	64
3	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	64
4	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	62
5	4-Amino-6-hydroxypyrimidine	111	C4H5N3O	001193-22-2	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
Data File : VY022983.D
Acq On : 08 Jul 2025 18:10
Operator : SY/MD
Sample : Q2480-02
Misc : 6.18g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GPX2

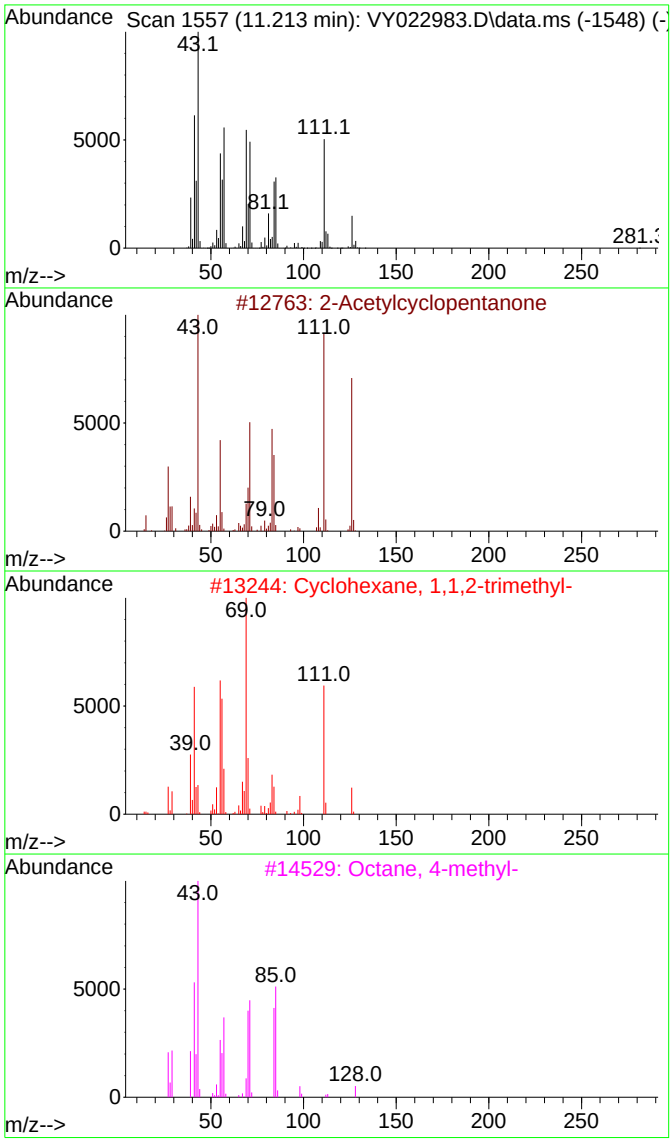
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

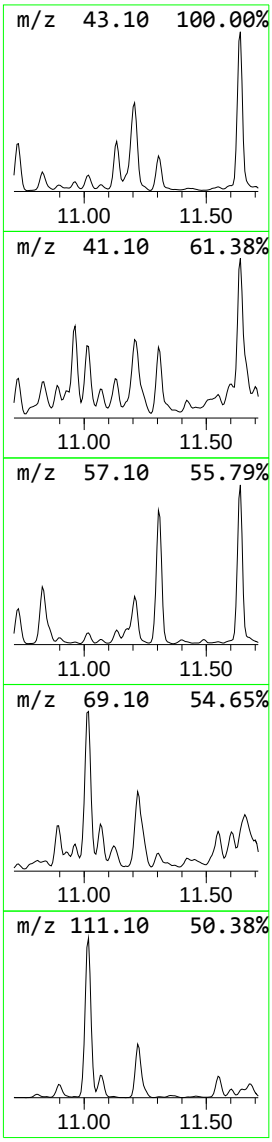
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 2-Acetylcyclopentanone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.213	171.75 ug/l	14206300	Chlorobenzene-d5	11.414

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Acetylcyclopentanone	126	C7H10O2	001670-46-8	52
2	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	45
3	Octane, 4-methyl-	128	C9H20	002216-34-4	38
4	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	38
5	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	30





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
Data File : VY022983.D
Acq On : 08 Jul 2025 18:10
Operator : SY/MD
Sample : Q2480-02
Misc : 6.18g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GPX2

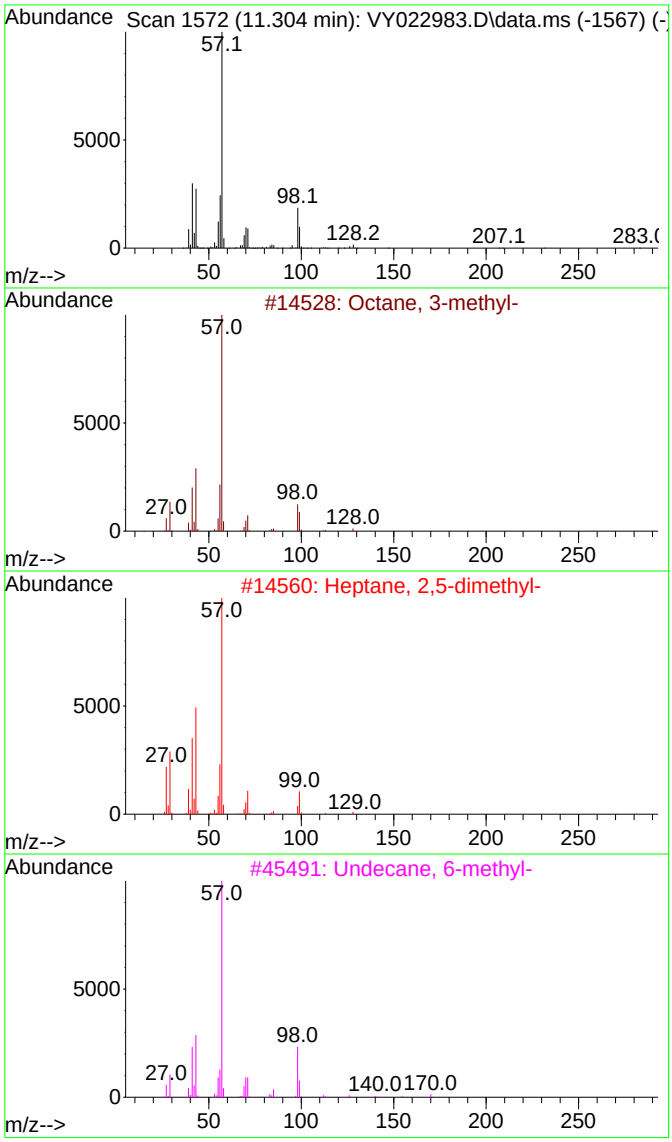
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

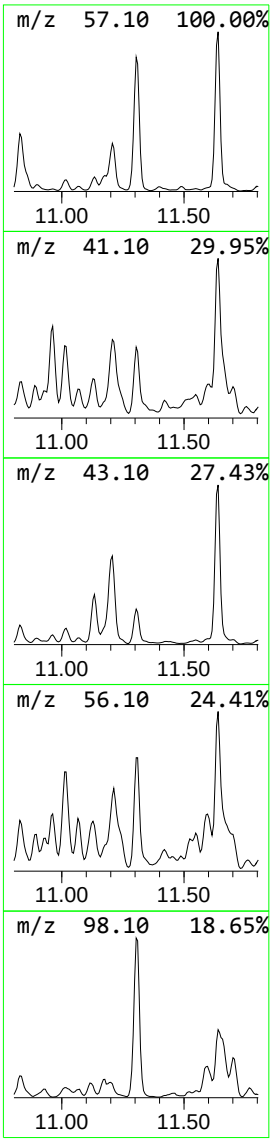
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Octane, 3-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.304	100.08 ug/l	8278390	Chlorobenzene-d5	11.414

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3-methyl-	128	C9H20	002216-33-3	90
2	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	83
3	Undecane, 6-methyl-	170	C12H26	017302-33-9	59
4	Octane, 2,5,6-trimethyl-	156	C11H24	062016-14-2	59
5	Decane, 2,5-dimethyl-	170	C12H26	017312-50-4	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
Data File : VY022983.D
Acq On : 08 Jul 2025 18:10
Operator : SY/MD
Sample : Q2480-02
Misc : 6.18g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GPX2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

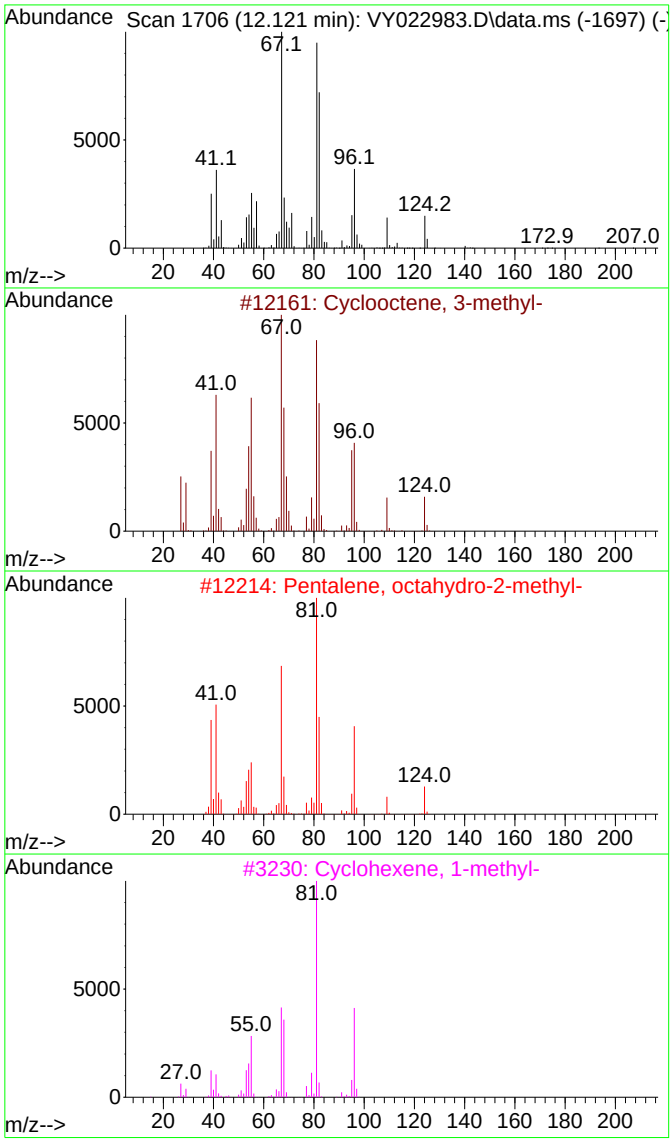
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

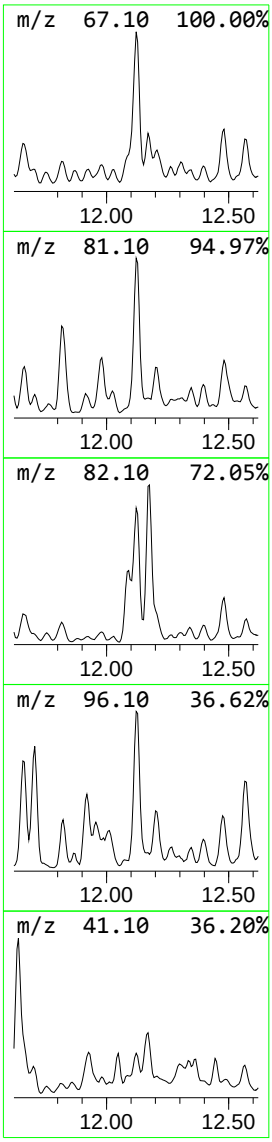
****

Peak Number 14 Cyclooctene, 3-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.121	90.55 ug/l	7489380	Chlorobenzene-d5	11.414

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclooctene, 3-methyl-	124	C9H16	013152-05-1	87
2	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	72
3	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	50
4	Cyclohexene, 4-methyl-	96	C7H12	000591-47-9	46
5	Pentalene, octahydro-1-methyl-	124	C9H16	032273-77-1	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
Data File : VY022983.D
Acq On : 08 Jul 2025 18:10
Operator : SY/MD
Sample : Q2480-02
Misc : 6.18g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GPX2

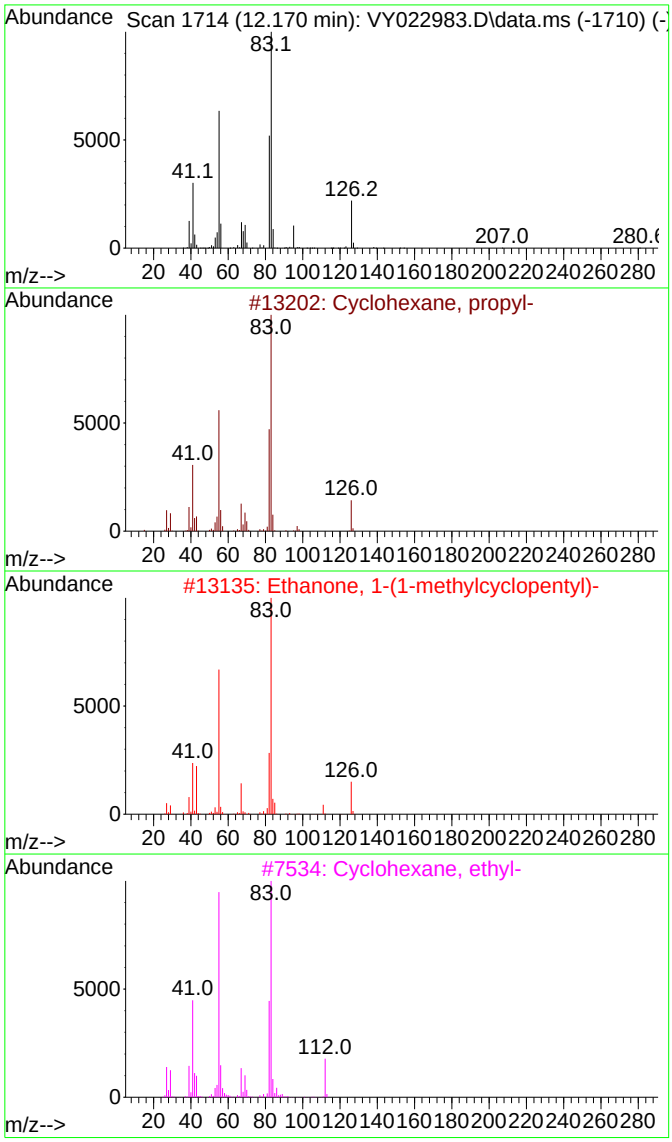
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

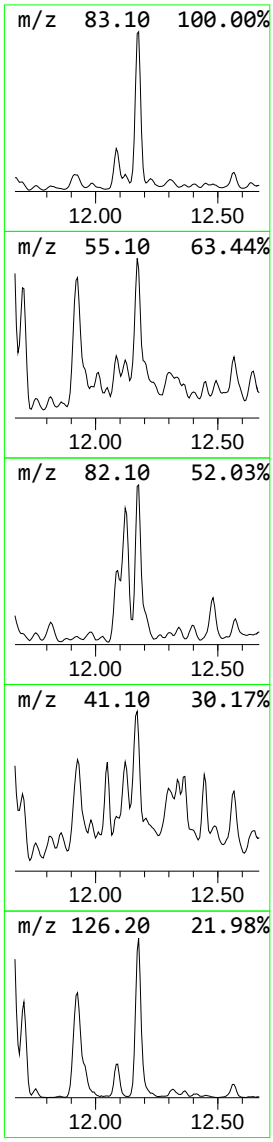
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Cyclohexane, propyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.170	60.67 ug/l	5018300	Chlorobenzene-d5	11.414

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, propyl-	126	C9H18	001678-92-8	91
2	Ethanone, 1-(1-methylcyclopentyl)-	126	C8H14O	013388-93-7	59
3	Cyclohexane, ethyl-	112	C8H16	001678-91-7	53
4	Cyclopentane, 1-ethyl-1-methyl-	112	C8H16	016747-50-5	53
5	Hexane, 1-bromo-6-chloro-	198	C6H12BrCl	006294-17-3	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
Data File : VY022983.D
Acq On : 08 Jul 2025 18:10
Operator : SY/MD
Sample : Q2480-02
Misc : 6.18g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GPX2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.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
Cyclopentane, 1...	8.201	49.5	ug/l	5158880	2	8.616	5210620	50.0
Heptane	8.469	72.2	ug/l	7521910	2	8.616	5210620	50.0
Heptane, 2-methyl-	9.749	62.6	ug/l	6524970	2	8.616	5210620	50.0
Heptane, 3-methyl-	9.884	93.0	ug/l	9694000	2	8.616	5210620	50.0
Octane	10.298	230.4	ug/l	19056100	3	11.414	4135700	50.0
Cyclohexane, 1,...	10.444	76.4	ug/l	6317400	3	11.414	4135700	50.0
Cyclohexane, 1,...	10.536	114.6	ug/l	9481940	3	11.414	4135700	50.0
Octane, 2-methyl-	10.731	56.1	ug/l	4640390	3	11.414	4135700	50.0
Heptane, 2,5-di...	10.835	52.3	ug/l	4322380	3	11.414	4135700	50.0
Cyclohexane, et...	10.963	122.0	ug/l	10094400	3	11.414	4135700	50.0
Cyclohexane, 1,...	11.018	114.8	ug/l	9494180	3	11.414	4135700	50.0
2-Acetylcyclope...	11.213	171.8	ug/l	14206300	3	11.414	4135700	50.0
Octane, 3-methyl-	11.304	100.1	ug/l	8278390	3	11.414	4135700	50.0
Cyclooctene, 3-...	12.121	90.5	ug/l	7489380	3	11.414	4135700	50.0
Cyclohexane, pr...	12.170	60.7	ug/l	5018300	3	11.414	4135700	50.0