LSC Area Percent Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121125\
Data File : VY023958.D
Acq On : 11 Dec 2025 16:28
Operator : SY/MD
Sample : Q3834-29
Misc : 11.93g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B127(5.5-8)120925

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\82Y121025S.M
Title : SW846 8260

Signal : TIC: VY023958.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.793	989	996	1009	rVB	1626216	4053443	2.95%	0.153%
2	7.982	1009	1027	1035	rBV	1263575	3400123	2.47%	0.129%
3	8.201	1051	1063	1069	rBV2	2765313	6614891	4.81%	0.250%
4	8.274	1069	1075	1082	rVV2	2032291	4674262	3.40%	0.177%
5	9.079	1196	1207	1212	rBV	12470654	26900399	19.55%	1.019%
6	9.170	1218	1222	1230	rVB	5743308	10769004	7.82%	0.408%
7	9.390	1246	1258	1272	rVB	16077081	34284083	24.91%	1.298%
8	9.536	1272	1282	1294	rBV2	17175091	32804384	23.83%	1.242%
9	9.689	1295	1307	1311	rBV	4997333	10129713	7.36%	0.384%
10	9.731	1311	1314	1321	rVB	2534898	4513266	3.28%	0.171%
11	9.865	1328	1336	1341	rBV	11536370	21842855	15.87%	0.827%
12	9.920	1341	1345	1352	rVB	4379438	7696791	5.59%	0.291%
13	10.006	1352	1359	1361	rBV	4722488	9326041	6.78%	0.353%
14	10.103	1369	1375	1387	rVB	19843294	36558305	26.56%	1.384%
15	10.237	1390	1397	1399	rBV2	3902487	6720272	4.88%	0.254%
16	10.274	1399	1403	1414	rVB3	15595889	34536861	25.09%	1.308%
17	10.414	1414	1426	1428	rBV2	10594651	21315521	15.49%	0.807%
18	10.451	1428	1432	1441	rVB2	63367074	104497832	75.93%	3.956%
19	10.548	1441	1448	1453	rBV	24348328	46284619	33.63%	1.752%
20	10.597	1453	1456	1460	rVB	7725491	10282597	7.47%	0.389%
21	10.646	1460	1464	1468	rVB	12498459	18019005	13.09%	0.682%
22	10.688	1468	1471	1474	rBV	1747148	2405138	1.75%	0.091%
23	10.737	1474	1479	1485	rVB	37910062	56843382	41.30%	2.152%
24	10.841	1485	1496	1503	rBV	22406660	49589799	36.03%	1.878%
25	10.908	1503	1507	1509	rBV	9335071	14641758	10.64%	0.554%
26	10.932	1509	1511	1514	rVV	6058095	7215919	5.24%	0.273%
27	10.969	1514	1517	1520	rVB	9739749	12412157	9.02%	0.470%
28	11.024	1520	1526	1531	rBV2	78354674	137632688	100.00%	5.211%
29	11.079	1531	1535	1539	rVB	13130227	18131496	13.17%	0.686%
30	11.140	1539	1545	1549	rBV3	29745401	49274905	35.80%	1.866%
31	11.182	1549	1552	1555	rVB	5397953	6621051	4.81%	0.251%
32	11.231	1555	1560	1568	rVB	46418748	77638844	56.41%	2.940%
33	11.304	1568	1572	1576	rBV2	3714026	5908206	4.29%	0.224%
34	11.347	1576	1579	1585	rVB3	1886837	2576930	1.87%	0.098%
35	11.408	1585	1589	1593	rBV3	2013527	3565883	2.59%	0.135%
36	11.457	1593	1597	1600	rBV2	2081829	2742413	1.99%	0.104%

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B127(5.5-8)120925

Integration Parameters: RTEINT.P
Integrator: RTE
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Title : SW846 8260

37	11.505	1600	1605	1609	rBV2	7179830	11895918	8.64%	0.450%
38	11.554	1609	1613	1617	rBV	15871489	21573845	15.67%	0.817%
39	11.609	1617	1622	1626	rBV3	9970157	18224299	13.24%	0.690%
40	11.670	1626	1632	1636	rBV2	40889271	76286043	55.43%	2.888%
41	11.713	1636	1639	1644	rVB2	28766636	42125762	30.61%	1.595%
42	11.774	1644	1649	1652	rBV2	5161505	10044109	7.30%	0.380%
43	11.828	1652	1658	1661	rBV2	9063116	15836862	11.51%	0.600%
44	11.865	1661	1664	1668	rVB2	8527837	11842209	8.60%	0.448%
45	11.932	1668	1675	1682	rBV4	51058699	117983151	85.72%	4.467%
46	11.987	1682	1684	1687	rVB2	4462317	4451859	3.23%	0.169%
47	12.017	1687	1689	1692	rBV2	3110796	3059039	2.22%	0.116%
48	12.054	1692	1695	1699	rVB	30885831	38675180	28.10%	1.464%
49	12.097	1699	1702	1703	rBV	6957246	7969225	5.79%	0.302%
50	12.133	1703	1708	1711	rBV	42561003	69411108	50.43%	2.628%
51	12.170	1711	1714	1719	rVB2	41293750	68279631	49.61%	2.585%
52	12.255	1725	1728	1731	rVV2	4835532	6603150	4.80%	0.250%
53	12.304	1731	1736	1741	rVB3	18430698	35710526	25.95%	1.352%
54	12.414	1748	1754	1759	rVB4	8124103	15984191	11.61%	0.605%
55	12.499	1759	1768	1772	rBV5	15865859	47105985	34.23%	1.784%
56	12.542	1772	1775	1776	rVV	10569135	13624433	9.90%	0.516%
57	12.572	1776	1780	1787	rVB2	49787472	84580722	61.45%	3.202%
58	12.658	1787	1794	1798	rBV5	21599800	48736316	35.41%	1.845%
59	12.737	1799	1807	1812	rVV3	43100819	105850218	76.91%	4.008%
60	12.792	1812	1816	1821	rVB2	25589440	39863932	28.96%	1.509%
61	12.841	1821	1824	1826	rBV2	4709926	6455073	4.69%	0.244%
62	12.877	1826	1830	1834	rBV3	22453150	29161682	21.19%	1.104%
63	12.932	1834	1839	1841	rBV3	14873777	26992981	19.61%	1.022%
64	12.969	1841	1845	1852	rVB	54094433	86197953	62.63%	3.264%
65	13.029	1852	1855	1858	rBV3	5561657	8147120	5.92%	0.308%
66	13.097	1862	1866	1871	rBV2	17915229	27790444	20.19%	1.052%
67	13.151	1872	1875	1877	rBV2	9900651	13384125	9.72%	0.507%
68	13.249	1882	1891	1894	rVV2	39756624	82551136	59.98%	3.126%
69	13.286	1894	1897	1902	rVB6	11818277	18655582	13.55%	0.706%
70	13.389	1909	1914	1922	rVB3	10725545	21902980	15.91%	0.829%
71	13.493	1927	1931	1934	rVV3	7593938	10129589	7.36%	0.384%
72	13.621	1946	1952	1954	rBV4	3408738	7635603	5.55%	0.289%
73	13.670	1954	1960	1965	rVV2	49813234	91614696	66.56%	3.469%
74	13.718	1965	1968	1972	rVV2	16993610	29043038	21.10%	1.100%
75	13.779	1973	1978	1984	rVV6	17989399	48270436	35.07%	1.828%
76	13.840	1984	1988	1994	rVV5	15589997	46831114	34.03%	1.773%

LSC Area Percent Report

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Operator : SY/MD
Sample : Q3834-29
Misc : 11.93g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B127(5.5-8)120925

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
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Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121025S.M
Title : SW846 8260

77	13.889	1994	1996	2001	rVV3	13641002	22580298	16.41%	0.855%
78	13.938	2001	2004	2009	rVB	9768190	13504655	9.81%	0.511%
79	13.999	2010	2014	2019	rVB4	5716343	9052271	6.58%	0.343%
80	14.066	2019	2025	2030	rBV6	8265877	15718701	11.42%	0.595%
81	14.121	2030	2034	2037	rBV3	4332307	6519724	4.74%	0.247%
82	14.188	2038	2045	2057	rVB6	23957144	60480609	43.94%	2.290%
83	14.298	2060	2063	2066	rBV4	1971897	2902415	2.11%	0.110%
84	14.340	2066	2070	2075	rBV2	11859213	15880310	11.54%	0.601%
85	14.535	2099	2102	2108	rBV5	2851654	5933939	4.31%	0.225%
86	14.602	2109	2113	2117	rVV	7251894	12456983	9.05%	0.472%
87	14.651	2117	2121	2127	rVB3	19336558	30505879	22.16%	1.155%
88	14.724	2128	2133	2137	rBV5	4125157	6809478	4.95%	0.258%
89	14.767	2137	2140	2142	rBV2	1679574	1969072	1.43%	0.075%
90	14.858	2152	2155	2159	rVB2	4616553	6695911	4.87%	0.254%
91	14.919	2159	2165	2168	rBV4	3032836	5768691	4.19%	0.218%
92	15.060	2185	2188	2194	rVB2	5494599	8207410	5.96%	0.311%
93	15.127	2194	2199	2204	rBV	13110076	19589514	14.23%	0.742%
94	15.188	2205	2209	2214	rVB7	2232143	4077523	2.96%	0.154%
95	15.413	2243	2246	2248	rBV3	1263454	1880799	1.37%	0.071%
96	15.450	2250	2252	2256	rVV3	2843685	4227303	3.07%	0.160%
97	15.511	2257	2262	2267	rVB6	3175214	6554982	4.76%	0.248%
98	15.974	2334	2338	2346	rVB	2088876	4004936	2.91%	0.152%
99	16.047	2346	2350	2356	rVB3	1699379	2943342	2.14%	0.111%

Sum of corrected areas: 2641170846

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121125\
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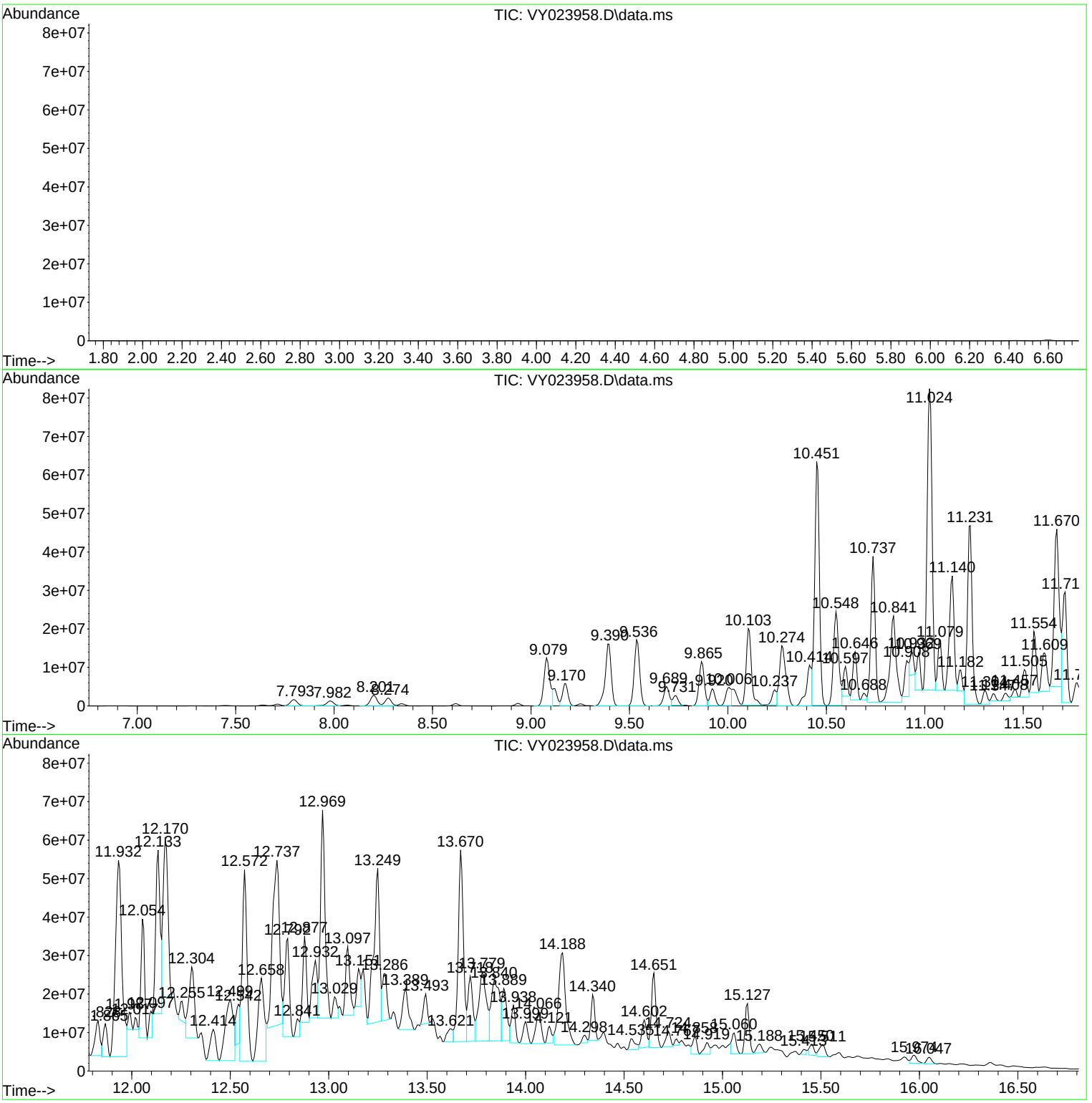
Instrument :
MSVOA_Y
ClientSampleId :
B127(5.5-8)120925

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121025S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121125\
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Instrument :
MSVOA_Y
ClientSampleId :
B127(5.5-8)120925

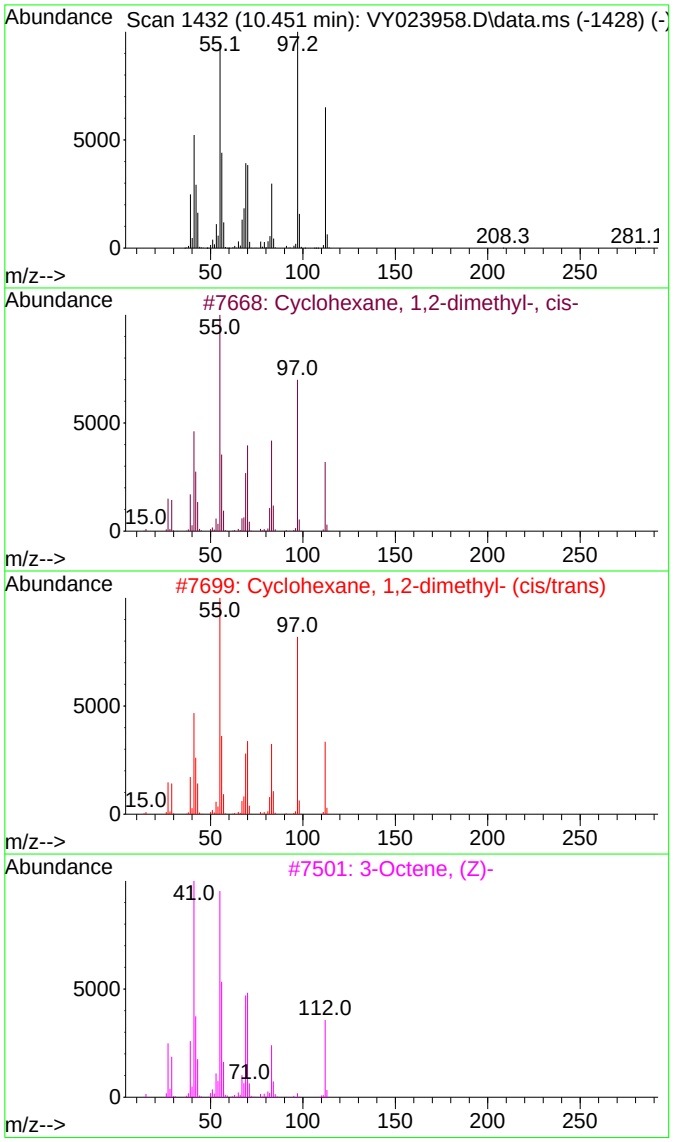
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121025S.M
Quant Title : SW846 8260

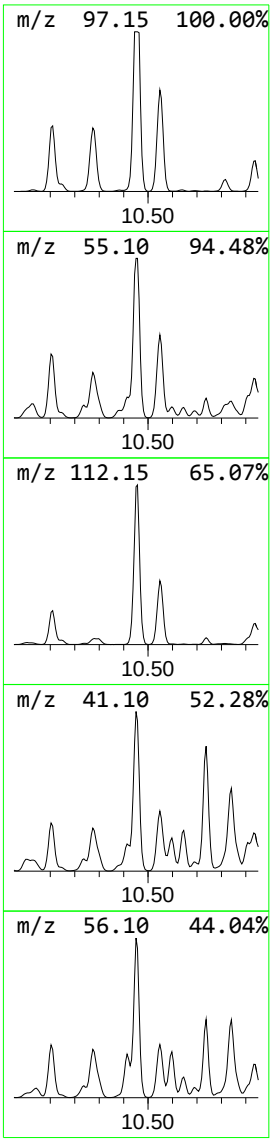
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.451	1465.24 ug/l	104498000	Chlorobenzene-d5	11.420

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	87
2	Cyclohexane, 1,2-dimethyl- (cis/...	112	C8H16	000583-57-3	86
3	3-Octene, (Z)-	112	C8H16	014850-22-7	53
4	1,2-Cyclohexanedione	112	C6H8O2	000765-87-7	53
5	4-Octene, (Z)-	112	C8H16	007642-15-1	53





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Data File : VY023958.D
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Operator : SY/MD
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Misc : 11.93g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B127(5.5-8)120925

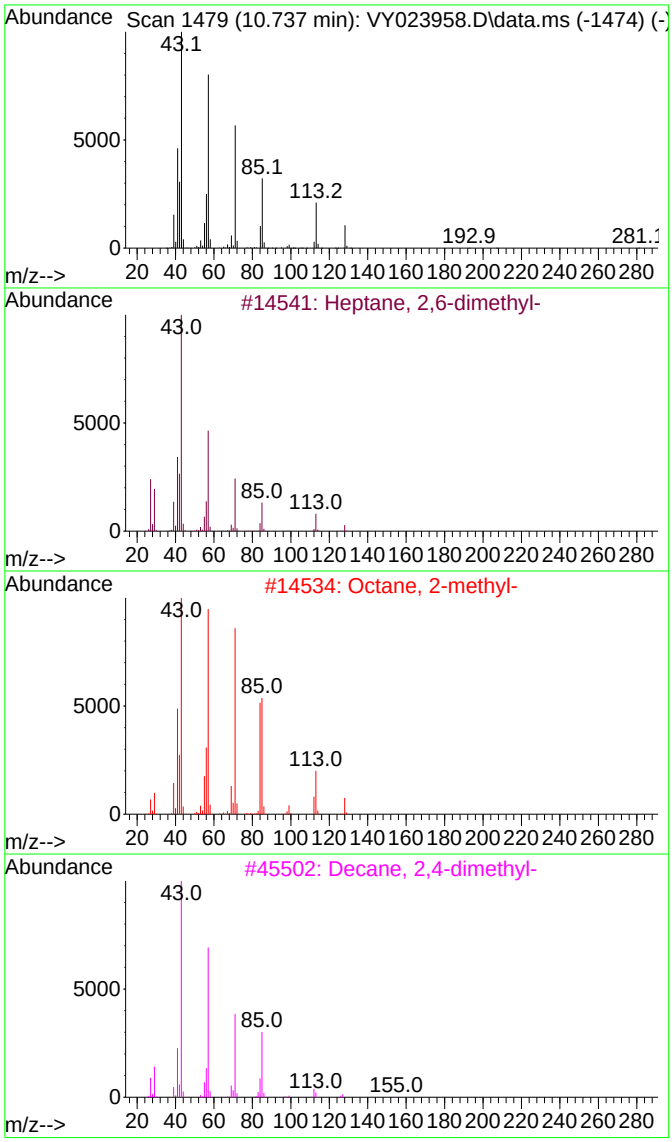
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121025S.M
Quant Title : SW846 8260

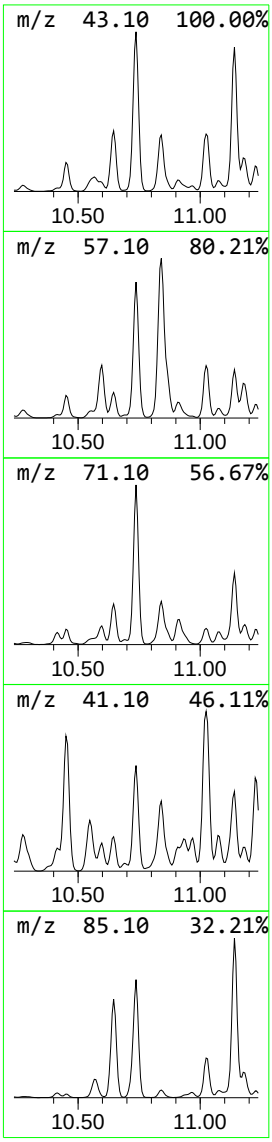
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Heptane, 2,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.737	797.04 ug/l	56843400	Chlorobenzene-d5	11.420

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,6-dimethyl-	128	C9H20	001072-05-5	94
2	Octane, 2-methyl-	128	C9H20	003221-61-2	91
3	Decane, 2,4-dimethyl-	170	C12H26	002801-84-5	58
4	Nonane	128	C9H20	000111-84-2	58
5	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	47





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Sample : Q3834-29
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ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B127(5.5-8)120925

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121025S.M
Quant Title : SW846 8260

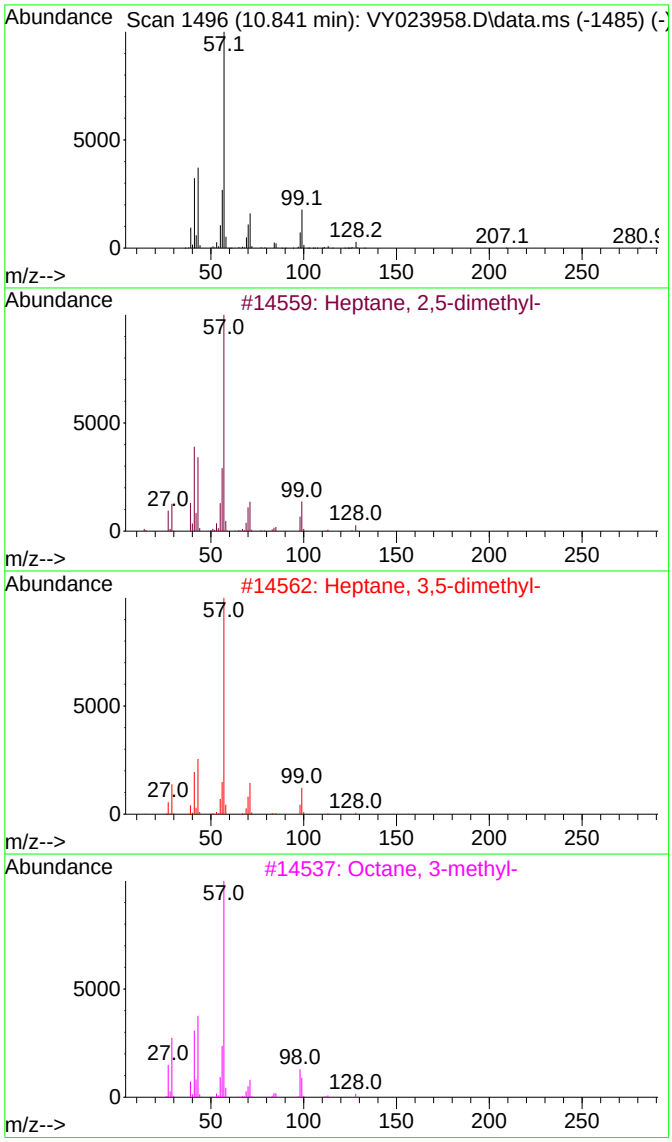
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

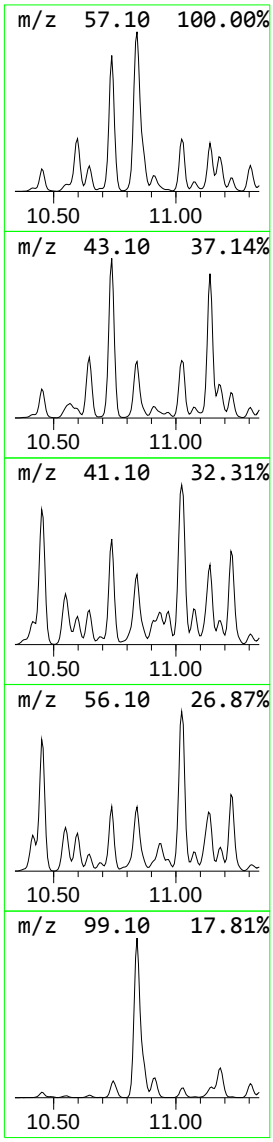
****

Peak Number 3 Heptane, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.841	695.34 ug/l	49589800	Chlorobenzene-d5	11.420

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	91
2	Heptane, 3,5-dimethyl-	128	C9H20	000926-82-9	81
3	Octane, 3-methyl-	128	C9H20	002216-33-3	80
4	Decane, 2,6,6-trimethyl-	184	C13H28	062108-24-1	59
5	Heptane, 2,3,5-trimethyl-	142	C10H22	020278-85-7	50





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Data File : VY023958.D
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Sample : Q3834-29
Misc : 11.93g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B127(5.5-8)120925

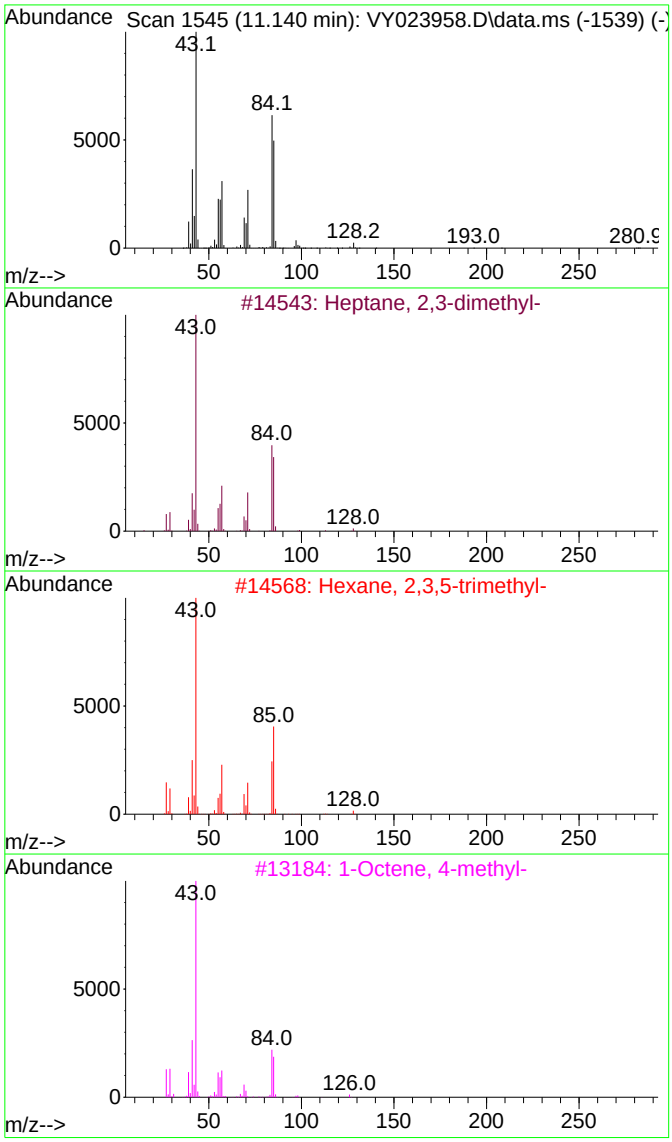
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121025S.M
Quant Title : SW846 8260

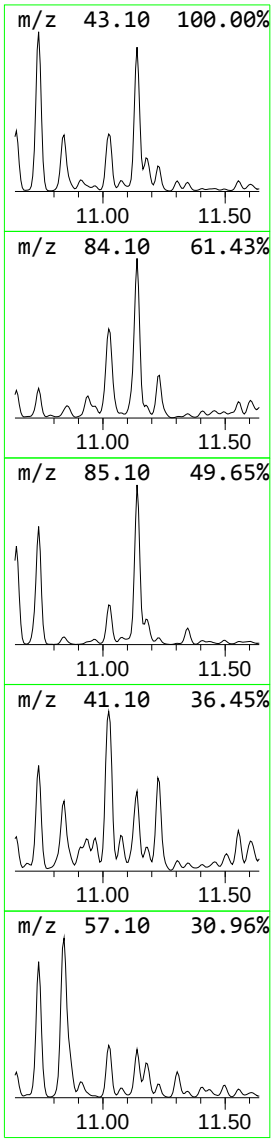
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Heptane, 2,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.140	690.92 ug/l	49274900	Chlorobenzene-d5	11.420

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	87
2	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	58
3	1-Octene, 4-methyl-	126	C9H18	013151-12-7	53
4	Hexane, 3-ethyl-	114	C8H18	000619-99-8	50
5	Hexane, 3-ethyl-2-methyl-	128	C9H20	016789-46-1	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121125\
Data File : VY023958.D
Acq On : 11 Dec 2025 16:28
Operator : SY/MD
Sample : Q3834-29
Misc : 11.93g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B127(5.5-8)120925

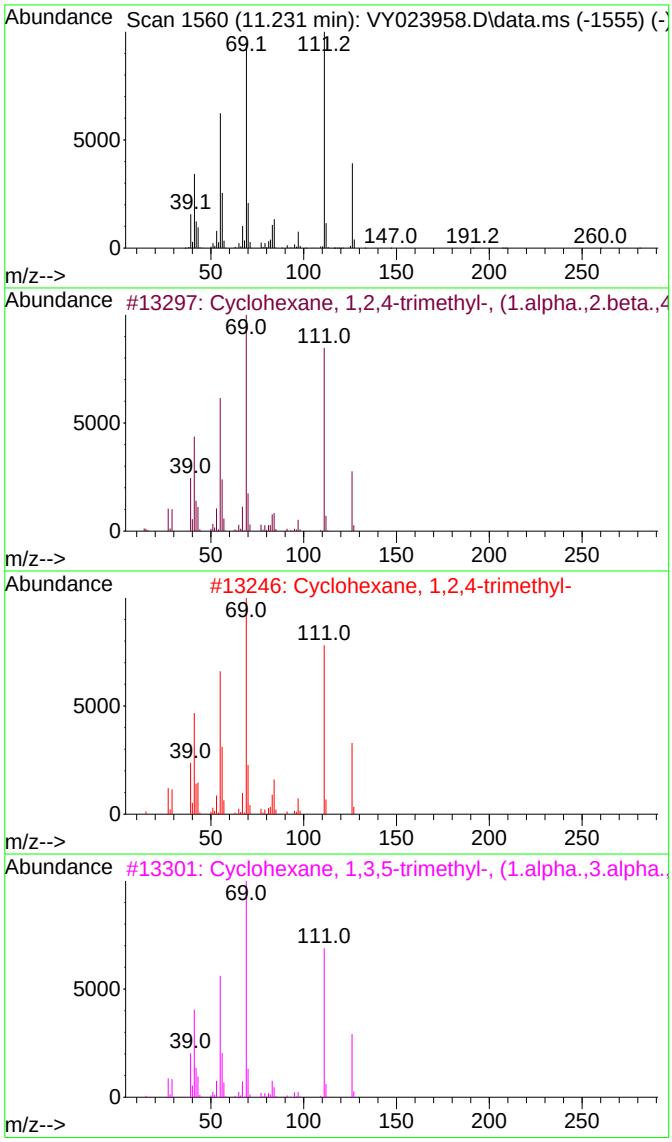
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121025S.M
Quant Title : SW846 8260

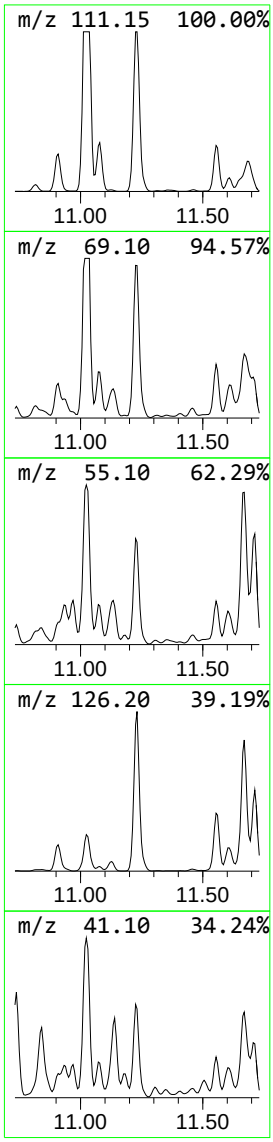
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Cyclohexane, 1,2,4-trimethy... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.231	1088.63 ug/l	77638800	Chlorobenzene-d5	11.420

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	97
2	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	94
3	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	87
4	Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	83
5	2-Pyrazoline, 1-isopropyl-5-methyl-	126	C7H14N2	026964-54-5	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121125\
Data File : VY023958.D
Acq On : 11 Dec 2025 16:28
Operator : SY/MD
Sample : Q3834-29
Misc : 11.93g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B127(5.5-8)120925

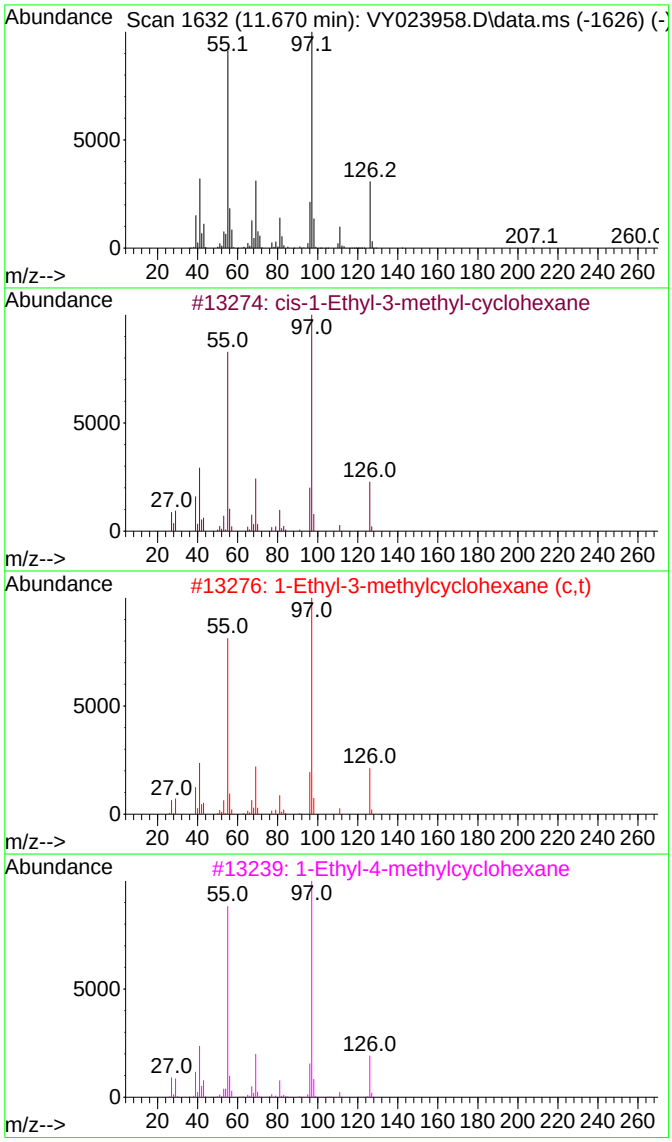
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121025S.M
Quant Title : SW846 8260

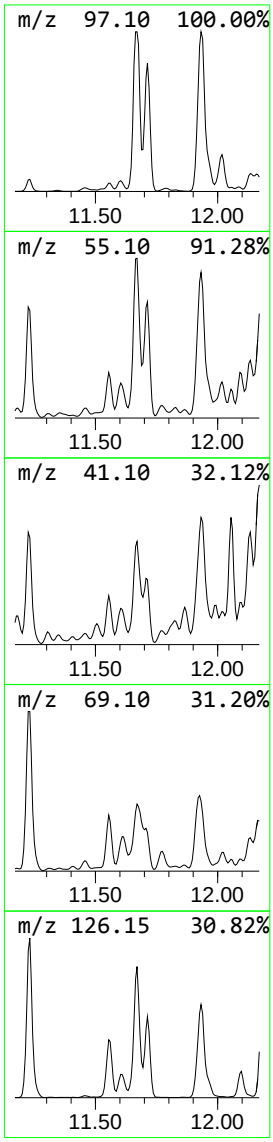
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 cis-1-Ethyl-3-methyl-cycloh... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.670	1069.67 ug/l	76286000	Chlorobenzene-d5	11.420

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	91
2	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	91
3	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	87
4	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	83
5	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121125\
Data File : VY023958.D
Acq On : 11 Dec 2025 16:28
Operator : SY/MD
Sample : Q3834-29
Misc : 11.93g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B127(5.5-8)120925

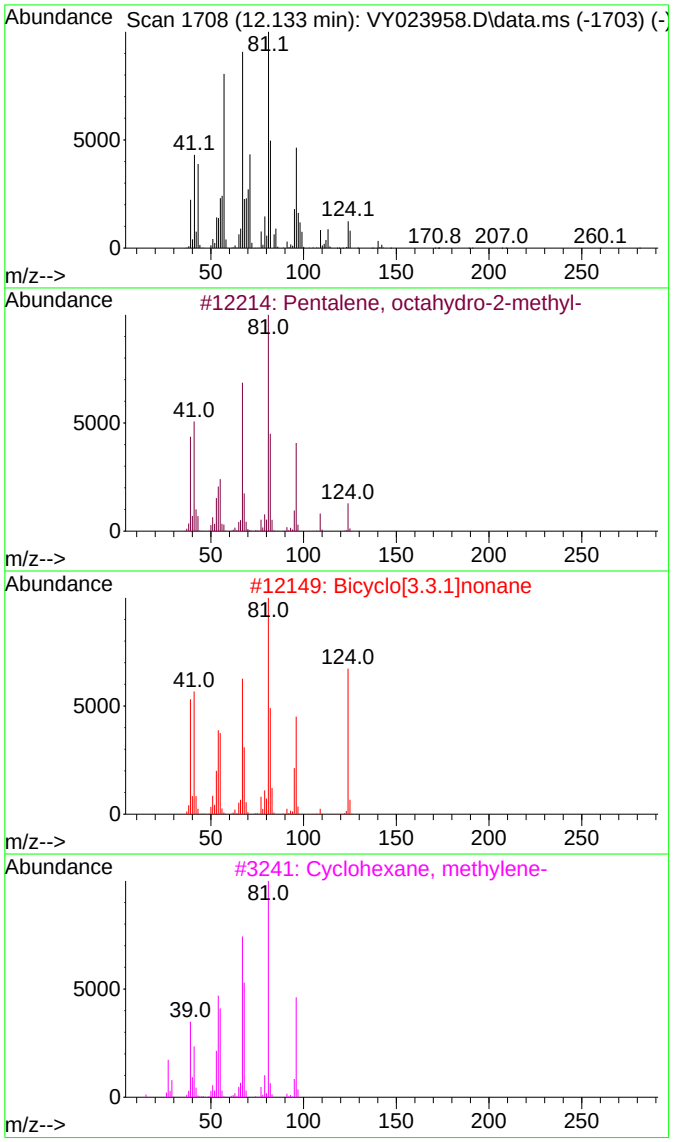
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121025S.M
Quant Title : SW846 8260

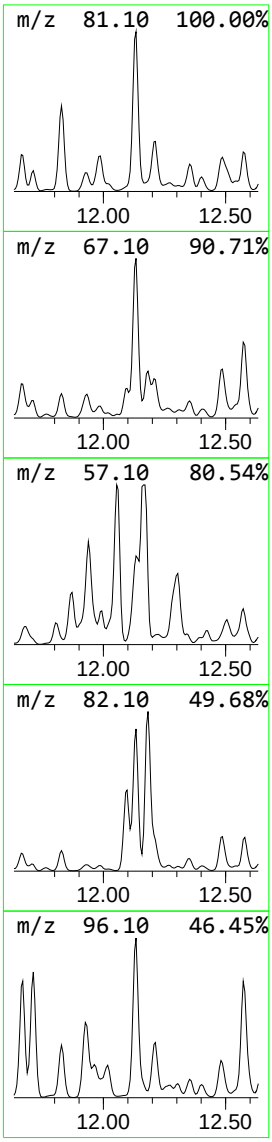
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Pentalene, octahydro-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.133	973.27 ug/l	69411100	Chlorobenzene-d5	11.420

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentalene, octahydro-2-methyl-	124	C9H16	003868-64-2	89
2	Bicyclo[3.3.1]nonane	124	C9H16	000280-65-9	58
3	Cyclohexane, methylene-	96	C7H12	001192-37-6	52
4	1H-Indene, octahydro-, trans-	124	C9H16	003296-50-2	49
5	Cyclohexene,3-propyl-	124	C9H16	003983-06-0	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121125\
Data File : VY023958.D
Acq On : 11 Dec 2025 16:28
Operator : SY/MD
Sample : Q3834-29
Misc : 11.93g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B127(5.5-8)120925

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121025S.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
Cyclohexane, 1,...	10.451	1465.2	ug/l	104498000	3	11.420	3565880	50.0
Heptane, 2,6-di...	10.737	797.0	ug/l	56843400	3	11.420	3565880	50.0
Heptane, 2,5-di...	10.841	695.3	ug/l	49589800	3	11.420	3565880	50.0
Heptane, 2,3-di...	11.140	690.9	ug/l	49274900	3	11.420	3565880	50.0
Cyclohexane, 1,...	11.231	1088.6	ug/l	77638800	3	11.420	3565880	50.0
cis-1-Ethyl-3-m...	11.670	1069.7	ug/l	76286000	3	11.420	3565880	50.0
Pentalene, octa...	12.133	973.3	ug/l	69411100	3	11.420	3565880	50.0