

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101625\
 Data File : VY023488.D
 Acq On : 16 Oct 2025 13:51
 Operator : SY/MD
 Sample : Q3363-03
 Misc : 3.60g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PR132-SO3-028010-20251015

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\82Y100725S.M

Title : SW846 8260

Signal : TIC: VY023488.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.616	463	475	481	rBV2	27524	96786	1.40%	0.053%
2	6.604	789	801	808	rBV3	40987	137222	1.98%	0.076%
3	7.640	959	971	977	rBV	544800	1360163	19.63%	0.750%
4	7.713	977	983	990	rVV	795710	1808280	26.10%	0.998%
5	7.793	990	996	1009	rVV2	156118	401508	5.80%	0.222%
6	7.927	1009	1018	1024	rVV	124365	302200	4.36%	0.167%
7	8.067	1033	1041	1053	rVV2	441460	1032202	14.90%	0.570%
8	8.201	1053	1063	1066	rVV3	127809	314776	4.54%	0.174%
9	8.250	1066	1071	1080	rVV3	249687	755253	10.90%	0.417%
10	8.341	1080	1086	1095	rVB	146556	343604	4.96%	0.190%
11	8.616	1122	1131	1147	rBV	1326734	2631250	37.98%	1.452%
12	8.853	1162	1170	1177	rBV	204388	438194	6.33%	0.242%
13	8.933	1177	1183	1191	rVB2	76984	173659	2.51%	0.096%
14	9.115	1199	1213	1218	rBV3	1106613	2890836	41.73%	1.595%
15	9.170	1218	1222	1230	rVB	439054	828107	11.95%	0.457%
16	9.304	1238	1244	1249	rBV4	66257	130359	1.88%	0.072%
17	9.390	1249	1258	1266	rVB2	415624	950190	13.72%	0.524%
18	9.536	1276	1282	1291	rBV2	544051	1096806	15.83%	0.605%
19	9.689	1295	1307	1311	rBV2	504299	1093577	15.79%	0.603%
20	9.731	1311	1314	1320	rVB2	181086	294827	4.26%	0.163%
21	9.786	1320	1323	1329	rVB4	63252	109189	1.58%	0.060%
22	9.865	1329	1336	1341	rBV	318890	658271	9.50%	0.363%
23	9.920	1341	1345	1352	rVB3	229749	445457	6.43%	0.246%
24	9.999	1352	1358	1360	rBV3	144280	261185	3.77%	0.144%
25	10.042	1360	1365	1369	rVB2	360543	622619	8.99%	0.344%
26	10.109	1369	1376	1389	rVB	3489083	6927714	100.00%	3.822%
27	10.231	1389	1396	1399	rBV2	216001	396876	5.73%	0.219%
28	10.274	1399	1403	1415	rVB4	447940	1308452	18.89%	0.722%
29	10.414	1416	1426	1428	rBV	372443	737295	10.64%	0.407%
30	10.451	1428	1432	1440	rVB	648190	1088046	15.71%	0.600%
31	10.548	1440	1448	1452	rBV3	485378	1108476	16.00%	0.612%
32	10.597	1452	1456	1459	rVB	245471	370832	5.35%	0.205%
33	10.640	1459	1463	1468	rVB	575706	884541	12.77%	0.488%
34	10.688	1468	1471	1473	rBV2	80020	104805	1.51%	0.058%
35	10.731	1473	1478	1484	rVB	1702533	2654154	38.31%	1.464%
36	10.835	1484	1495	1502	rBV	1171469	2585245	37.32%	1.426%

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Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
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37	10.902	1502	1506	1509	rBV2	398297	619210	8.94%	0.342%
38	10.963	1512	1516	1520	rVB	830553	1116148	16.11%	0.616%
39	11.018	1520	1525	1531	rVB	2473498	4148587	59.88%	2.289%
40	11.072	1531	1534	1538	rVB	430083	555994	8.03%	0.307%
41	11.133	1538	1544	1548	rBV2	1303823	2262876	32.66%	1.249%
42	11.176	1548	1551	1555	rBV3	374555	658413	9.50%	0.363%
43	11.225	1555	1559	1567	rVB	1127175	2134465	30.81%	1.178%
44	11.304	1567	1572	1575	rBV2	356645	563324	8.13%	0.311%
45	11.347	1575	1579	1583	rVB5	131997	172114	2.48%	0.095%
46	11.414	1584	1590	1596	rBV	2040881	3564430	51.45%	1.967%
47	11.493	1600	1603	1608	rBV2	78035	112909	1.63%	0.062%
48	11.554	1608	1613	1616	rBV	521402	779478	11.25%	0.430%
49	11.609	1616	1622	1626	rBV5	820715	1754105	25.32%	0.968%
50	11.664	1626	1631	1635	rBV	1607907	2694752	38.90%	1.487%
51	11.706	1635	1638	1643	rVB2	1191287	1866576	26.94%	1.030%
52	11.767	1643	1648	1651	rBV2	462076	806762	11.65%	0.445%
53	11.816	1652	1656	1659	rBV3	158179	273862	3.95%	0.151%
54	11.859	1659	1663	1667	rVB2	706406	1031960	14.90%	0.569%
55	11.932	1667	1675	1681	rBV4	2383997	6074870	87.69%	3.352%
56	11.987	1681	1684	1686	rVB	307410	295826	4.27%	0.163%
57	12.017	1686	1689	1690	rBV2	343536	357396	5.16%	0.197%
58	12.048	1690	1694	1699	rVB	3315384	4653746	67.18%	2.568%
59	12.127	1699	1707	1709	rBV4	1967663	3524422	50.87%	1.945%
60	12.164	1709	1713	1719	rVB3	3244328	5787294	83.54%	3.193%
61	12.298	1729	1735	1742	rVB5	1660517	3815532	55.08%	2.105%
62	12.408	1747	1753	1759	rVB3	2334305	4193748	60.54%	2.314%
63	12.499	1759	1768	1772	rBV4	1057682	2872712	41.47%	1.585%
64	12.566	1775	1779	1786	rVB2	2552460	4722654	68.17%	2.606%
65	12.651	1786	1793	1799	rBV6	1341469	3822179	55.17%	2.109%
66	12.737	1799	1807	1811	rBV3	2438391	5973919	86.23%	3.296%
67	12.786	1812	1815	1820	rVB2	1424529	2191902	31.64%	1.209%
68	12.853	1820	1826	1833	rBV2	2765495	6403443	92.43%	3.533%
69	12.926	1833	1838	1841	rBV	3829277	6194837	89.42%	3.418%
70	12.962	1841	1844	1852	rVB3	2242756	3818589	55.12%	2.107%
71	13.090	1862	1865	1871	rBV4	1044285	1963649	28.34%	1.083%
72	13.212	1882	1885	1886	rBV3	696425	815636	11.77%	0.450%
73	13.243	1887	1890	1893	rVV	1744147	2395342	34.58%	1.322%
74	13.273	1893	1895	1901	rVB5	767856	1207826	17.43%	0.666%
75	13.346	1902	1907	1921	rVB3	1483114	3231420	46.64%	1.783%
76	13.487	1926	1930	1934	rVB3	941877	1409121	20.34%	0.777%

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77	13.529	1935	1937	1941	rVB4	288609	318644	4.60%	0.176%
78	13.670	1954	1960	1964	rBV4	2040728	3824416	55.20%	2.110%
79	13.718	1964	1968	1972	rVV4	888333	1775992	25.64%	0.980%
80	13.779	1975	1978	1984	rVV5	941604	2348240	33.90%	1.296%
81	13.840	1984	1988	1992	rVV4	981947	2238309	32.31%	1.235%
82	13.889	1993	1996	2000	rVV5	1065367	1680580	24.26%	0.927%
83	13.932	2001	2003	2009	rVB2	738968	1023559	14.77%	0.565%
84	13.999	2009	2014	2018	rBV4	852552	1291649	18.64%	0.713%
85	14.066	2019	2025	2030	rVB5	878122	1763810	25.46%	0.973%
86	14.121	2030	2034	2038	rBV6	385684	614962	8.88%	0.339%
87	14.182	2038	2044	2059	rBV7	1896031	5252358	75.82%	2.898%
88	14.304	2060	2064	2066	rBV5	518076	751369	10.85%	0.415%
89	14.340	2066	2070	2074	rVB2	1454792	1967263	28.40%	1.085%
90	14.535	2099	2102	2105	rBV4	392986	546126	7.88%	0.301%
91	14.602	2108	2113	2116	rVV4	983422	1865187	26.92%	1.029%
92	14.645	2116	2120	2127	rVB2	2496075	4072015	58.78%	2.247%
93	14.761	2137	2139	2142	rBV3	339199	422582	6.10%	0.233%
94	14.858	2152	2155	2159	rVB3	759650	998626	14.41%	0.551%
95	15.120	2194	2198	2204	rBV	2535034	3937286	56.83%	2.172%
96	15.346	2232	2235	2242	rBV6	344955	711526	10.27%	0.393%
97	15.511	2257	2262	2267	rVB3	1161214	2160148	31.18%	1.192%
98	16.047	2346	2350	2357	rVB	1226821	2120085	30.60%	1.170%
99	16.358	2397	2401	2407	rVB4	502971	875305	12.63%	0.483%
100	16.480	2417	2421	2428	rBV4	222926	500874	7.23%	0.276%

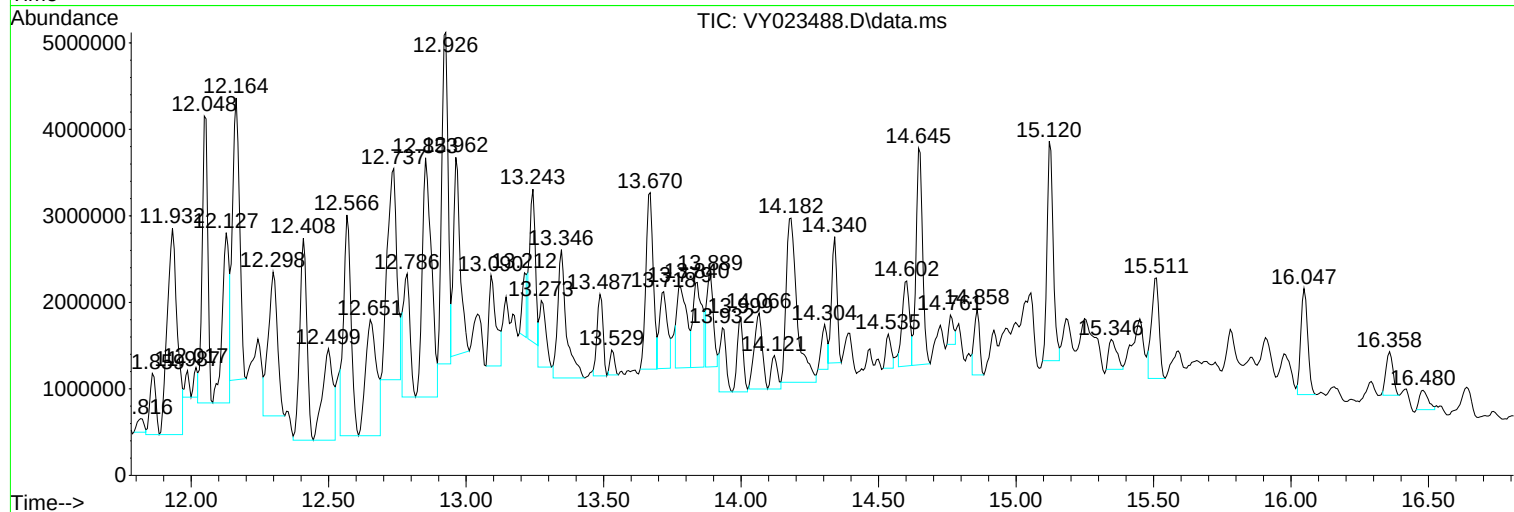
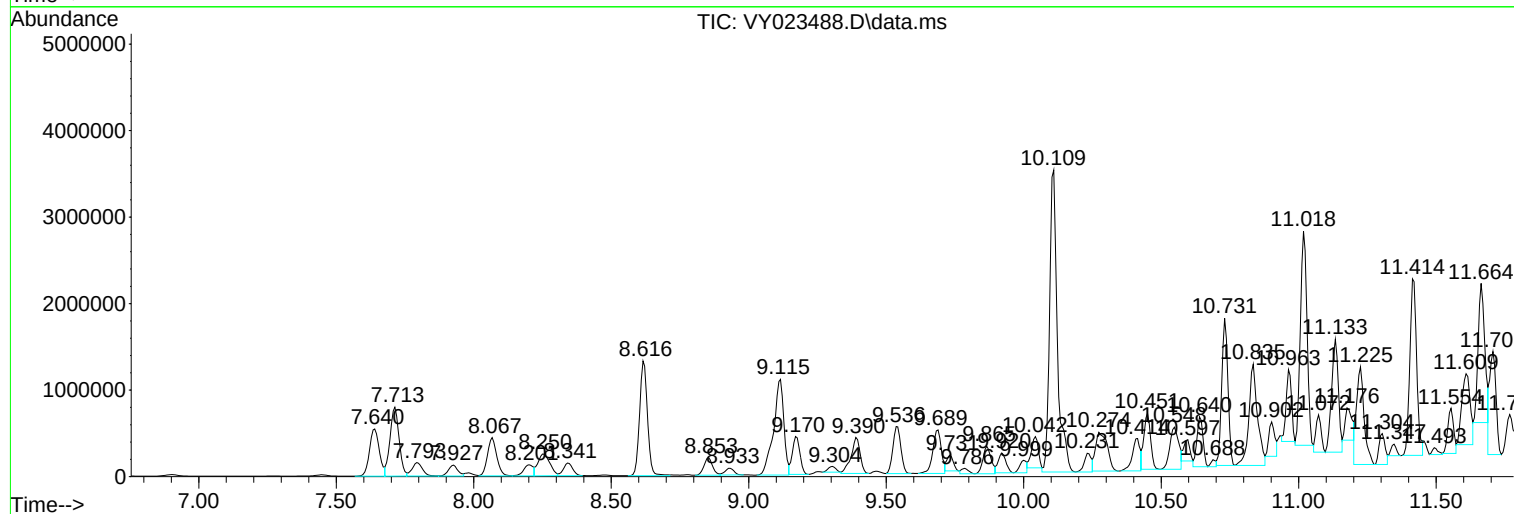
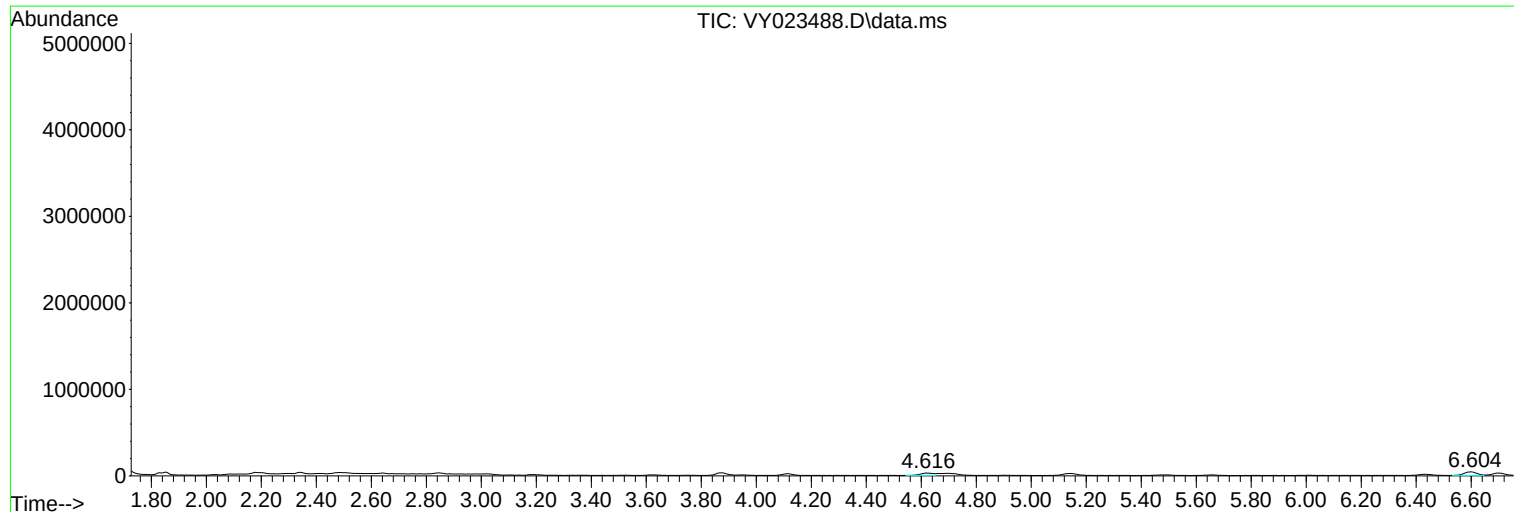
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Instrument :
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ClientSampleId :
PR132-SO3-028010-20251015

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260

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



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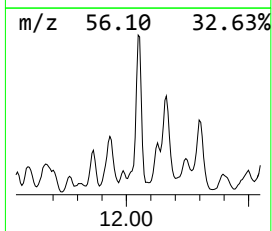
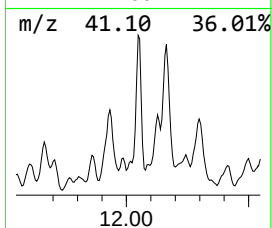
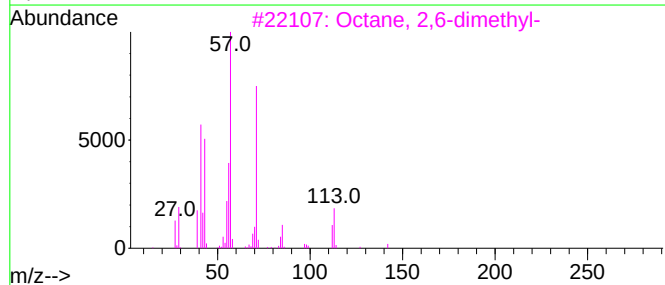
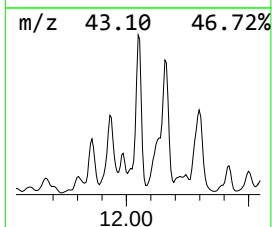
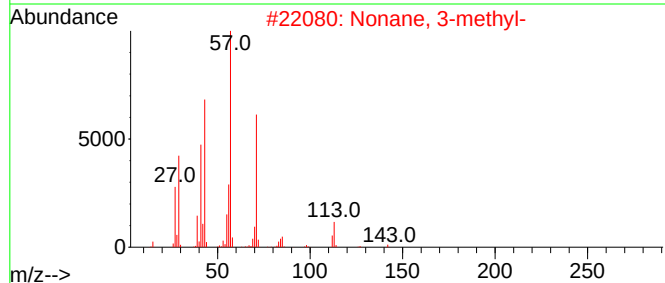
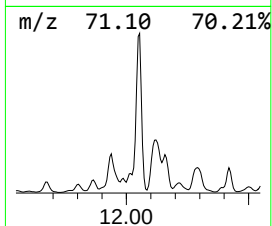
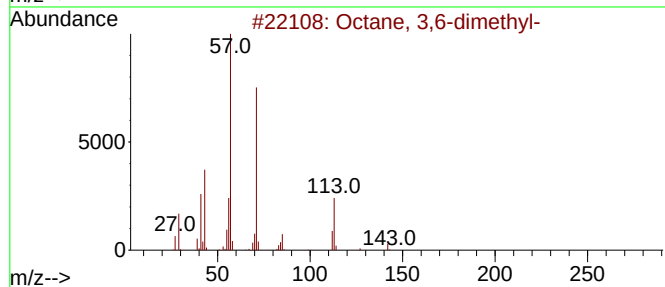
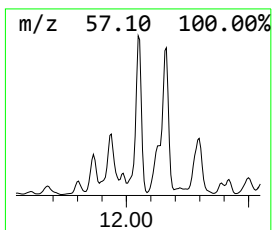
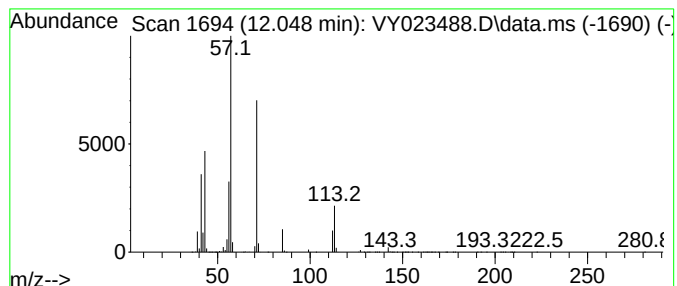
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260

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

Peak Number 1 Octane, 3,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.048	65.28 ug/l	4653750	Chlorobenzene-d5	11.420

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	91
2			Nonane, 3-methyl-	142	C10H22	005911-04-6	91
3			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	87
4			Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	64
5			Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	64



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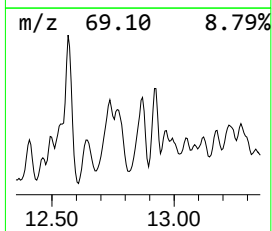
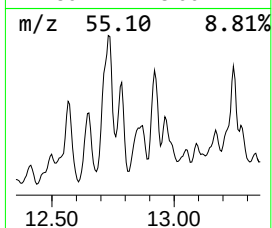
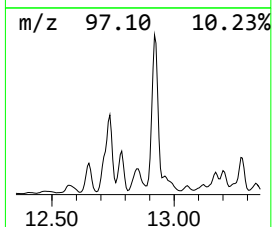
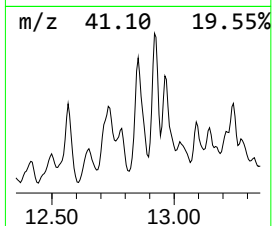
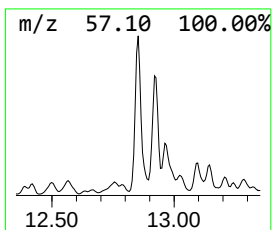
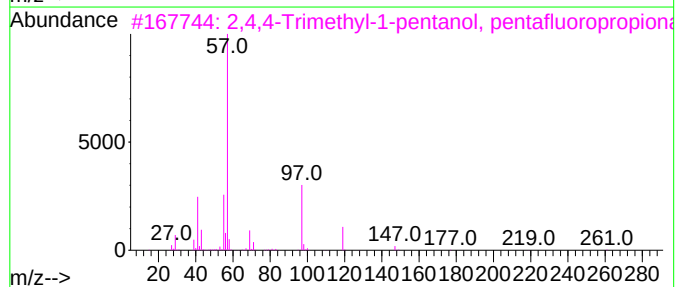
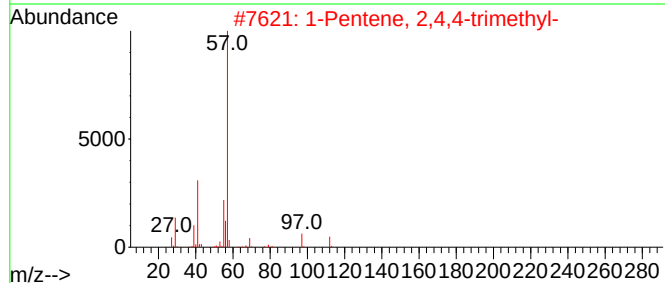
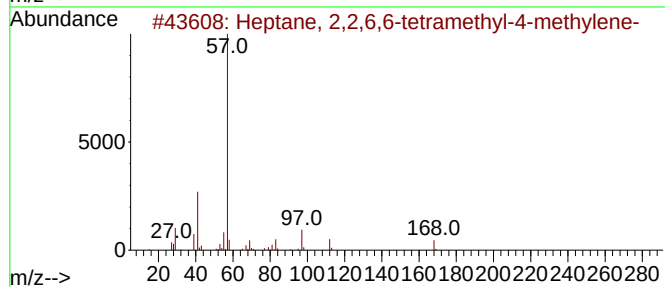
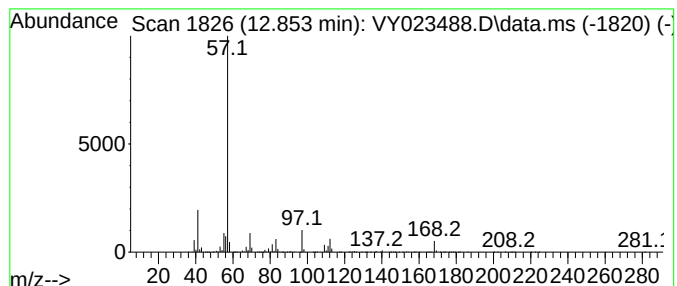
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Quant Title : SW846 8260

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

Peak Number 5 Heptane, 2,2,6,6-tetramethyl... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.853	99.08 ug/l	6403440	1,4-Dichlorobenzene-d4	13.346

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptane, 2,2,6,6-tetramethyl-4-m...	168	C12H24	000141-70-8	87
2			1-Pentene, 2,4,4-trimethyl-	112	C8H16	000107-39-1	47
3			2,4,4-Trimethyl-1-pentanol, pent...	276	C11H17F5O2	1000365-51-0	43
4			4-Decene, 2,2-dimethyl-, (Z)-	168	C12H24	055499-03-1	38
5			4-Decene, 2,2-dimethyl-, (E)-	168	C12H24	055534-69-5	37



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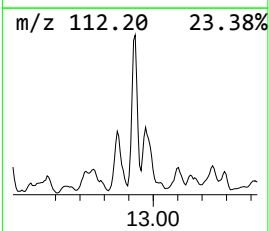
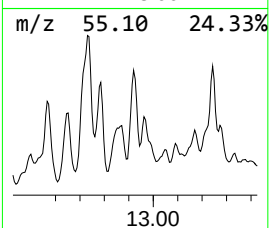
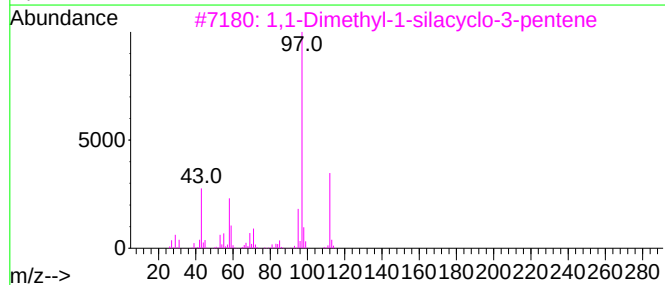
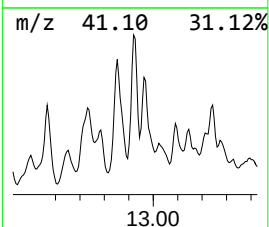
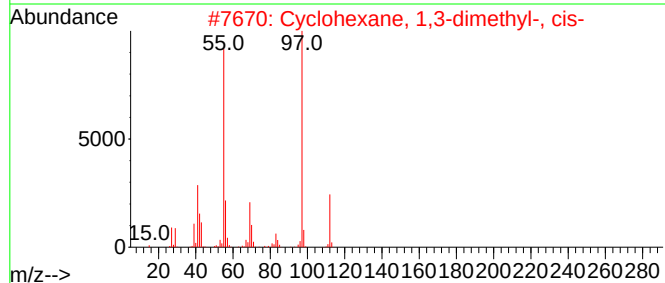
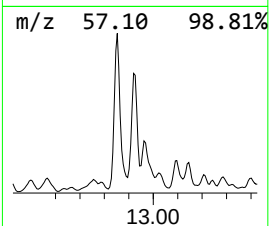
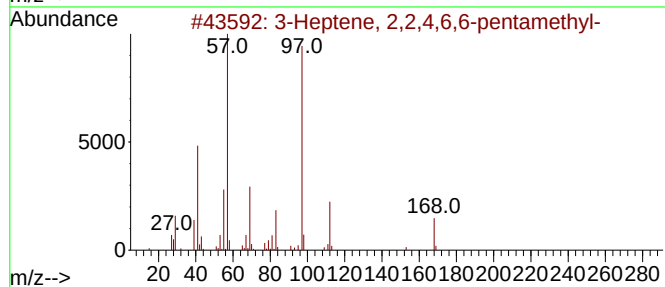
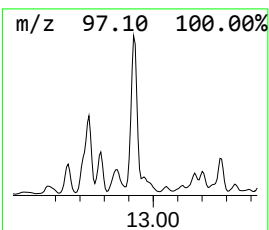
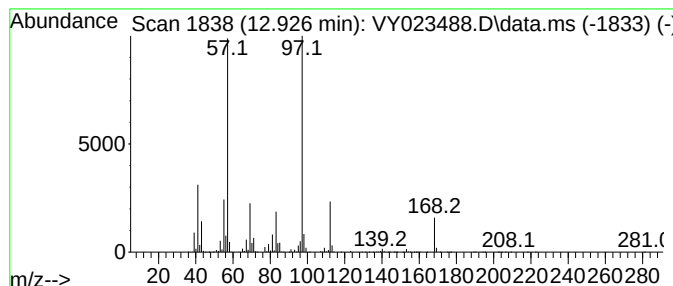
Instrument :
MSVOA_Y
ClientSampleId :
PR132-SO3-028010-20251015

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260

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

Peak Number 6 3-Heptene, 2,2,4,6,6-pentam... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD			R.T.
12.926	95.85 ug/l	6194840	1,4-Dichlorobenzene-d4			13.346
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	3-Heptene, 2,2,4,6,6-pentamethyl-		168	C12H24	000123-48-8	93
2	Cyclohexane, 1,3-dimethyl-, cis-		112	C8H16	000638-04-0	59
3	1,1-Dimethyl-1-silacyclo-3-pentene		112	C6H12Si	016054-12-9	58
4	3-Cyclohexen-1-ol, 3-methyl-		112	C7H12O	053783-91-8	58
5	2-Pentene, 2,3,4-trimethyl-		112	C8H16	000565-77-5	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101625\
Data File : VY023488.D
Acq On : 16 Oct 2025 13:51
Operator : SY/MD
Sample : Q3363-03
Misc : 3.60g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PR132-SO3-028010-20251015

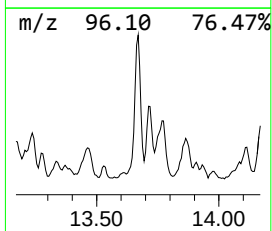
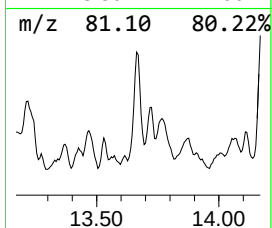
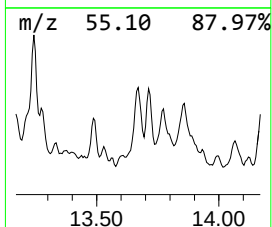
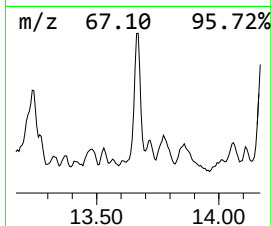
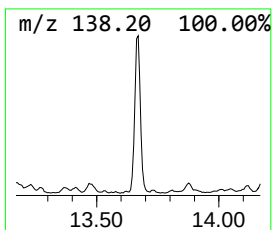
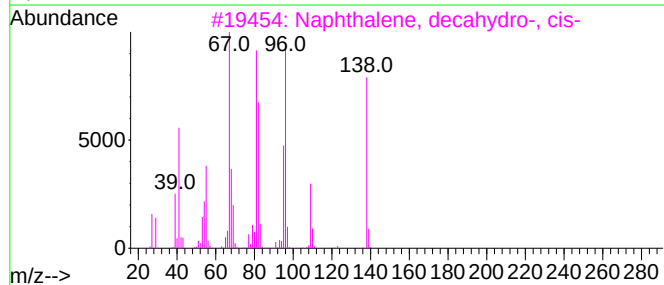
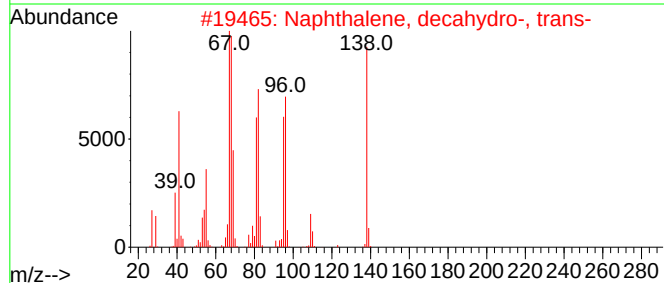
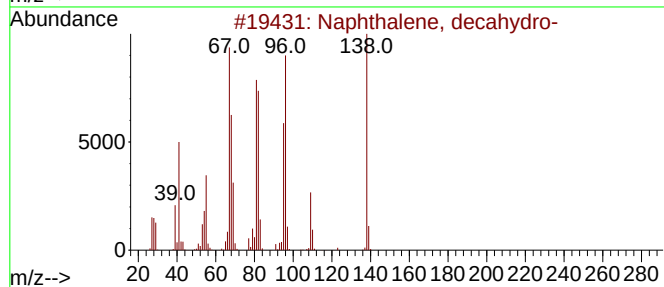
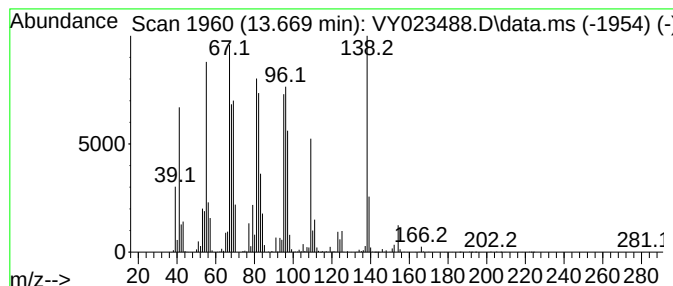
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Quant Title : SW846 8260

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

Peak Number 7 Naphthalene, decahydro- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.669	59.18 ug/l	3824420	1,4-Dichlorobenzene-d4	13.346

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-	138	C10H18	000091-17-8	94
2			Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	90
3			Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	87
4			Spiro[4.5]decane	138	C10H18	000176-63-6	87
5			2,2-Dimethyl-3-vinylcyclopentanone	138	C9H14O	1000427-24-5	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101625\
Data File : VY023488.D
Acq On : 16 Oct 2025 13:51
Operator : SY/MD
Sample : Q3363-03
Misc : 3.60g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PR132-SO3-028010-20251015

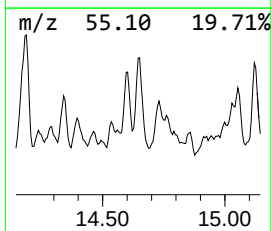
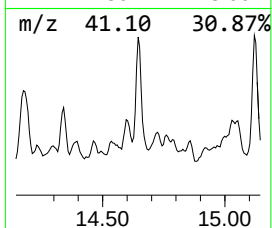
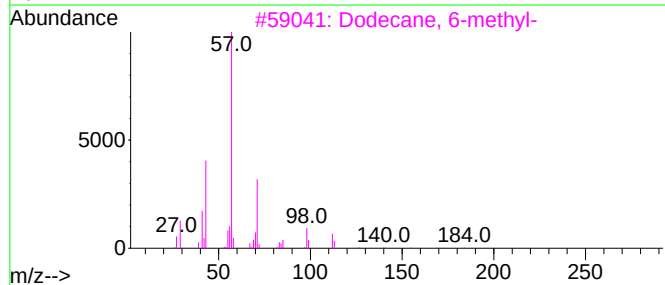
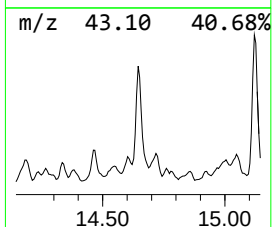
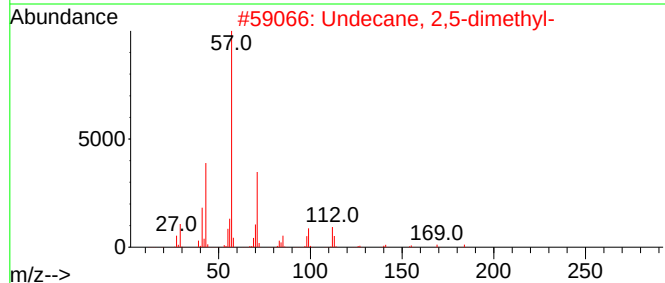
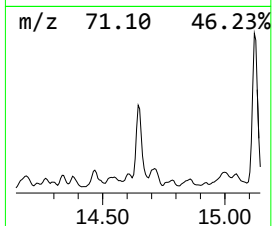
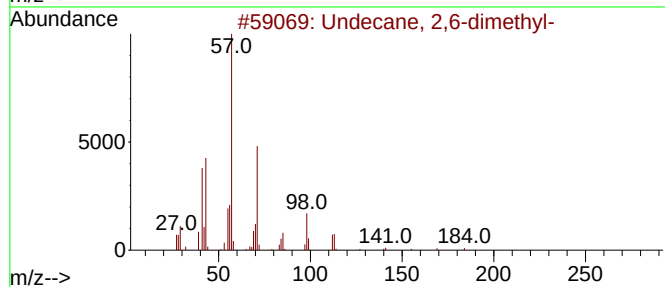
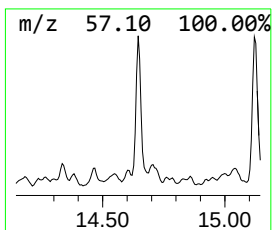
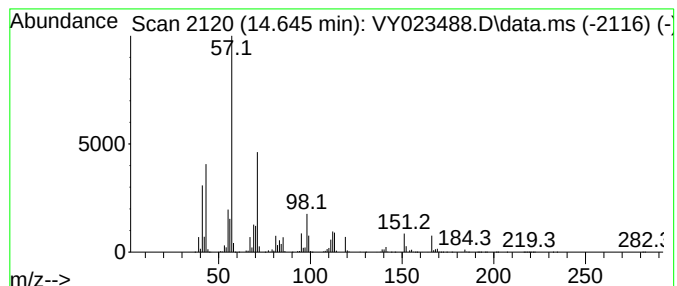
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Quant Title : SW846 8260

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

Peak Number 9 Undecane, 2,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.645	63.01 ug/l	4072020	1,4-Dichlorobenzene-d4	13.346

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	93
2			Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	60
3			Dodecane, 6-methyl-	184	C13H28	006044-71-9	58
4			Sulfurous acid, butyl octyl ester	250	C12H26O3S	1000309-17-5	58
5			Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101625\
Data File : VY023488.D
Acq On : 16 Oct 2025 13:51
Operator : SY/MD
Sample : Q3363-03
Misc : 3.60g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PR132-SO3-028010-20251015

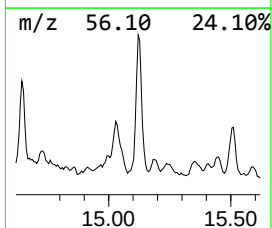
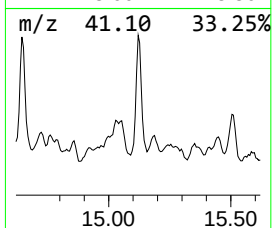
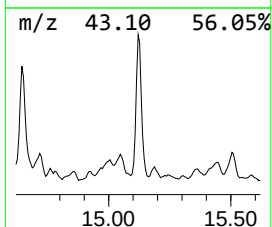
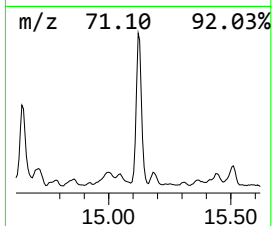
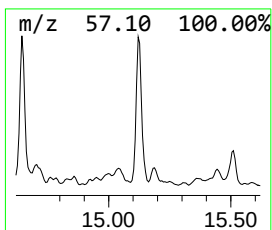
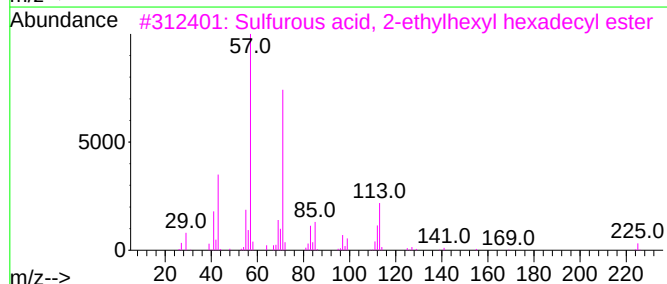
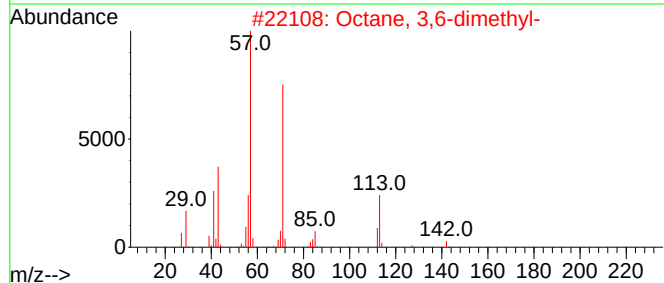
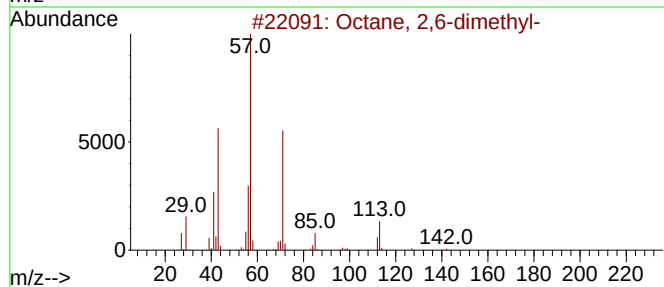
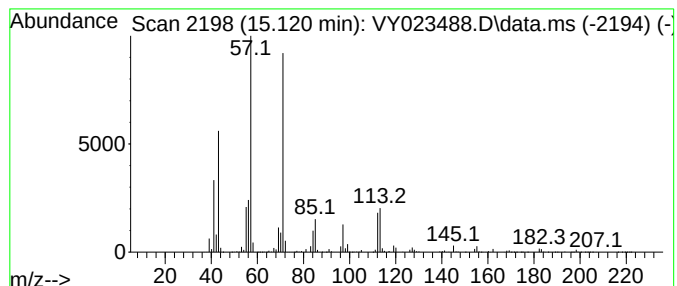
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260

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

Peak Number 10 Octane, 2,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.121	60.92 ug/l	3937290	1,4-Dichlorobenzene-d4	13.346

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	90
2			Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	80
3			Sulfurous acid, 2-ethylhexyl hex...	418	C24H50O3S	1000309-19-9	72
4			Sulfurous acid, 2-ethylhexyl tri...	376	C21H44O3S	1000309-19-6	64
5			Tridecane, 7-methyl-	198	C14H30	026730-14-3	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101625\
Data File : VY023488.D
Acq On : 16 Oct 2025 13:51
Operator : SY/MD
Sample : Q3363-03
Misc : 3.60g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PR132-SO3-028010-20251015

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Octane, 3,6-dim...	12.048	65.3	ug/l	4653750	3	11.420	3564430	50.0
Heptane, 2,2,6,...	12.853	99.1	ug/l	6403440	4	13.346	3231420	50.0
3-Heptene, 2,2,...	12.926	95.8	ug/l	6194840	4	13.346	3231420	50.0
Naphthalene, de...	13.669	59.2	ug/l	3824420	4	13.346	3231420	50.0
Undecane, 2,6-d...	14.645	63.0	ug/l	4072020	4	13.346	3231420	50.0
Octane, 2,6-dim...	15.121	60.9	ug/l	3937290	4	13.346	3231420	50.0