

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102125\
 Data File : VY023528.D
 Acq On : 21 Oct 2025 12:14
 Operator : SY/MD
 Sample : Q3376-02
 Misc : 4.83g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PR132-DP01-20251016

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: VY023528.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.824	13	17	26	rVB2	45063	85625	1.46%	0.066%
2	2.171	69	74	84	rBV2	31493	84035	1.43%	0.065%
3	3.866	340	352	361	rBV	56615	155136	2.64%	0.120%
4	4.116	383	393	403	rVB	28750	79404	1.35%	0.061%
5	6.591	788	799	809	rBV3	26468	85098	1.45%	0.066%
6	6.896	840	849	863	rBV3	23648	73019	1.24%	0.056%
7	7.634	959	970	976	rBV	487397	1183245	20.13%	0.916%
8	7.713	976	983	990	rVV	844679	1954401	33.25%	1.512%
9	7.792	990	996	1007	rVV	112790	288777	4.91%	0.223%
10	7.981	1021	1027	1033	rVV3	30988	80620	1.37%	0.062%
11	8.067	1033	1041	1052	rVV	423338	940765	16.00%	0.728%
12	8.201	1054	1063	1067	rVV3	105683	281241	4.78%	0.218%
13	8.256	1067	1072	1080	rVV3	140849	432599	7.36%	0.335%
14	8.341	1080	1086	1099	rVB	147298	338448	5.76%	0.262%
15	8.615	1123	1131	1144	rBV	1247960	2434390	41.42%	1.884%
16	8.853	1162	1170	1177	rBV	119797	260386	4.43%	0.201%
17	8.932	1177	1183	1190	rVB	57548	117992	2.01%	0.091%
18	9.109	1198	1212	1218	rBV3	952253	2540161	43.22%	1.965%
19	9.170	1218	1222	1230	rVV	330104	621541	10.57%	0.481%
20	9.298	1239	1243	1248	rVV3	33174	68166	1.16%	0.053%
21	9.390	1248	1258	1266	rVB2	361847	830906	14.14%	0.643%
22	9.536	1275	1282	1291	rVB2	426290	866339	14.74%	0.670%
23	9.688	1295	1307	1311	rBV2	301425	647912	11.02%	0.501%
24	9.731	1311	1314	1322	rVB2	99472	171433	2.92%	0.133%
25	9.865	1329	1336	1341	rBV	234883	461834	7.86%	0.357%
26	9.920	1341	1345	1352	rVB	174773	301091	5.12%	0.233%
27	9.999	1352	1358	1360	rBV3	120327	217208	3.70%	0.168%
28	10.042	1360	1365	1369	rVB2	229254	417221	7.10%	0.323%
29	10.103	1369	1375	1389	rVB	2985313	5877955	100.00%	4.548%
30	10.231	1389	1396	1399	rBV2	139330	256547	4.36%	0.198%
31	10.274	1399	1403	1414	rVB4	336397	983258	16.73%	0.761%
32	10.408	1414	1425	1428	rBV	274921	558990	9.51%	0.433%
33	10.450	1428	1432	1439	rVB	502448	835180	14.21%	0.646%
34	10.548	1440	1448	1453	rBV3	424147	990128	16.84%	0.766%
35	10.597	1453	1456	1459	rVB	190573	245564	4.18%	0.190%
36	10.639	1459	1463	1468	rVB	375521	570209	9.70%	0.441%

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37	10.688	1468	1471	1473	rBV	56201	76724	1.31%	0.059%
38	10.731	1473	1478	1484	rVB	1147308	1806114	30.73%	1.397%
39	10.834	1484	1495	1502	rBV	798685	1834883	31.22%	1.420%
40	10.901	1502	1506	1509	rBV3	301152	474929	8.08%	0.367%
41	10.962	1512	1516	1520	rVV	629436	939428	15.98%	0.727%
42	11.017	1520	1525	1531	rVV	1681406	2796542	47.58%	2.164%
43	11.072	1531	1534	1538	rVB	336023	428828	7.30%	0.332%
44	11.133	1538	1544	1548	rBV2	651345	1192195	20.28%	0.922%
45	11.176	1548	1551	1555	rVB	268940	352506	6.00%	0.273%
46	11.225	1555	1559	1567	rVB	580594	1112963	18.93%	0.861%
47	11.304	1567	1572	1575	rBV2	183173	294318	5.01%	0.228%
48	11.346	1575	1579	1584	rBV5	108461	176534	3.00%	0.137%
49	11.414	1584	1590	1596	rBV	1660086	2823357	48.03%	2.184%
50	11.493	1600	1603	1608	rBV2	58481	83414	1.42%	0.065%
51	11.554	1608	1613	1616	rBV	361963	531158	9.04%	0.411%
52	11.609	1616	1622	1626	rBV4	500570	964378	16.41%	0.746%
53	11.663	1626	1631	1635	rBV	1054413	1822720	31.01%	1.410%
54	11.706	1635	1638	1643	rVB2	589007	931165	15.84%	0.720%
55	11.767	1643	1648	1651	rBV2	326469	595327	10.13%	0.461%
56	11.822	1651	1657	1659	rBV2	130707	247716	4.21%	0.192%
57	11.859	1659	1663	1667	rVB3	421613	632877	10.77%	0.490%
58	11.932	1667	1675	1681	rBV3	1495515	3742928	63.68%	2.896%
59	11.987	1681	1684	1686	rVV	355226	486920	8.28%	0.377%
60	12.017	1686	1689	1690	rVV2	403780	490435	8.34%	0.379%
61	12.048	1690	1694	1698	rVV	2070518	3041554	51.75%	2.353%
62	12.127	1698	1707	1709	rVV3	1429350	2742933	46.66%	2.122%
63	12.163	1709	1713	1718	rVV3	2017115	4061098	69.09%	3.142%
64	12.243	1718	1726	1729	rVV6	532491	1684091	28.65%	1.303%
65	12.298	1730	1735	1741	rVB6	935611	2044838	34.79%	1.582%
66	12.407	1747	1753	1759	rBV3	1635247	2793143	47.52%	2.161%
67	12.499	1759	1768	1772	rBV5	740848	2001715	34.05%	1.549%
68	12.566	1775	1779	1786	rVB2	1886500	3391575	57.70%	2.624%
69	12.651	1786	1793	1799	rBV6	1033240	2840550	48.33%	2.198%
70	12.730	1799	1806	1811	rBV3	1644814	4072730	69.29%	3.151%
71	12.871	1820	1829	1833	rBV4	1115543	2831945	48.18%	2.191%
72	12.925	1833	1838	1841	rVV3	1393134	2464830	41.93%	1.907%
73	12.962	1841	1844	1851	rVB3	1375534	2383420	40.55%	1.844%
74	13.090	1861	1865	1870	rBV2	743841	1216027	20.69%	0.941%
75	13.145	1871	1874	1876	rBV2	376462	433131	7.37%	0.335%
76	13.249	1882	1891	1901	rVV8	1462618	5271878	89.69%	4.079%

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77	13.346	1902	1907	1916	rVB	1134928	2069969	35.22%	1.602%
78	13.486	1926	1930	1934	rVB3	761873	1092298	18.58%	0.845%
79	13.529	1934	1937	1941	rVB5	254292	317227	5.40%	0.245%
80	13.663	1954	1959	1964	rBV4	1864102	3411833	58.04%	2.640%
81	13.718	1965	1968	1972	rVB4	443132	652825	11.11%	0.505%
82	13.779	1974	1978	1984	rVV7	463908	1130157	19.23%	0.874%
83	13.931	2001	2003	2009	rVB	609842	810030	13.78%	0.627%
84	13.992	2009	2013	2018	rBV4	612465	930372	15.83%	0.720%
85	14.066	2018	2025	2030	rBV6	772571	1613280	27.45%	1.248%
86	14.120	2030	2034	2037	rBV5	352207	522106	8.88%	0.404%
87	14.175	2038	2043	2054	rBV5	1726856	4291453	73.01%	3.320%
88	14.340	2066	2070	2074	rVB2	1430601	1974295	33.59%	1.528%
89	14.468	2088	2091	2093	rBV4	205796	240847	4.10%	0.186%
90	14.535	2099	2102	2105	rBV4	382875	545031	9.27%	0.422%
91	14.596	2108	2112	2116	rVV2	931256	1750431	29.78%	1.354%
92	14.645	2116	2120	2127	rVB2	2197278	3491291	59.40%	2.701%
93	14.761	2137	2139	2142	rBV2	347643	432090	7.35%	0.334%
94	14.858	2152	2155	2159	rVB4	671415	901985	15.35%	0.698%
95	15.120	2194	2198	2204	rBV	2125584	3292441	56.01%	2.547%
96	15.346	2231	2235	2242	rBV6	433497	1025864	17.45%	0.794%
97	15.504	2257	2261	2267	rVB3	1100938	2036724	34.65%	1.576%
98	16.047	2345	2350	2357	rVB	910595	1581271	26.90%	1.223%
99	16.358	2396	2401	2407	rBV3	371889	681078	11.59%	0.527%

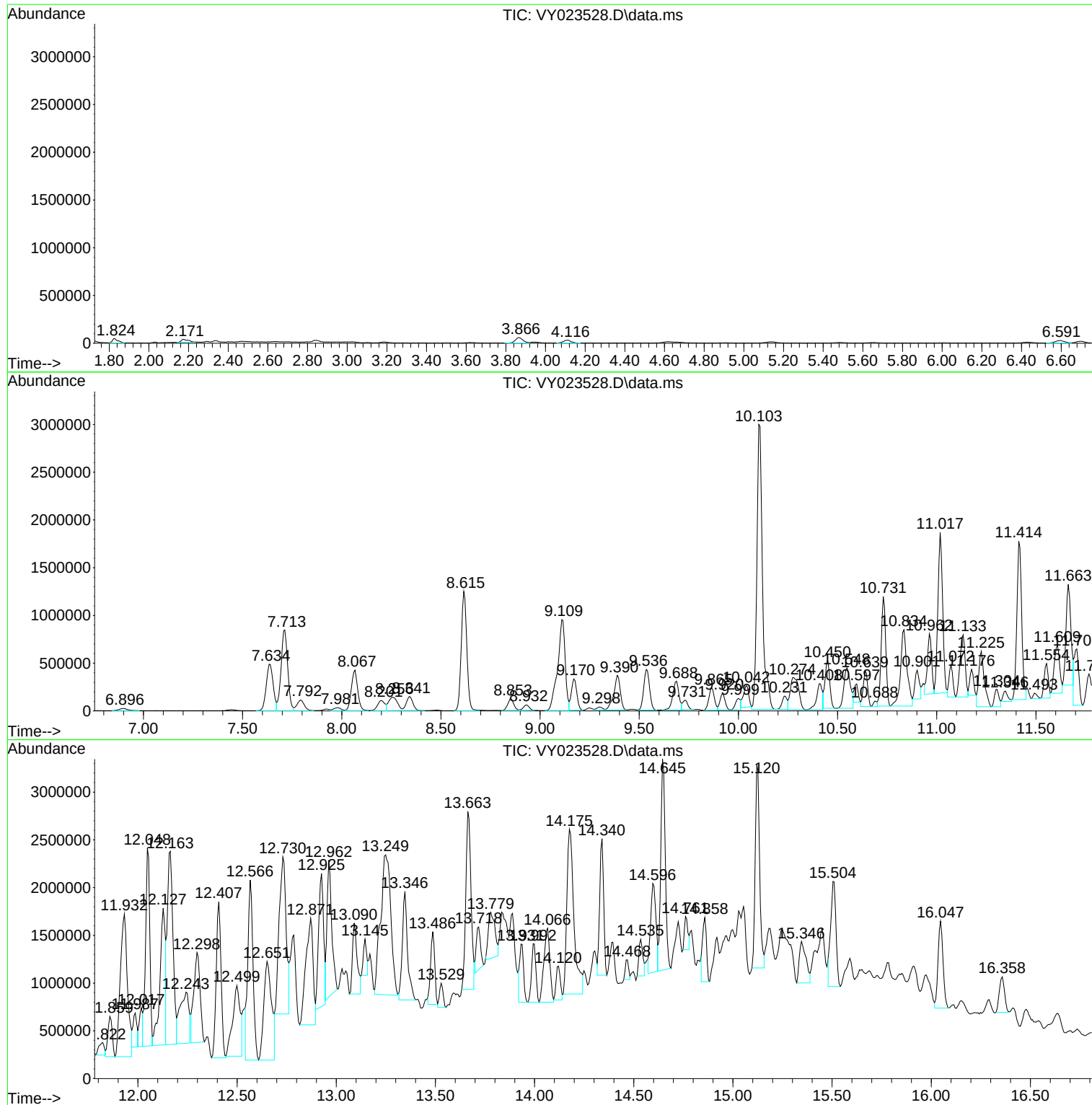
Sum of corrected areas: 129245539

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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



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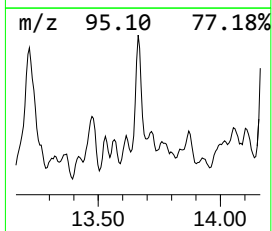
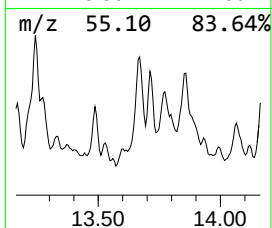
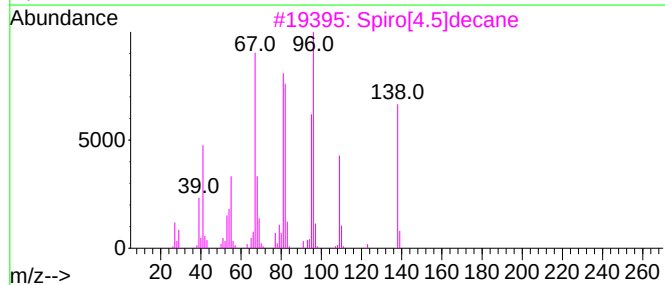
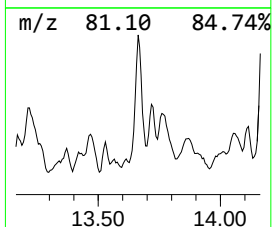
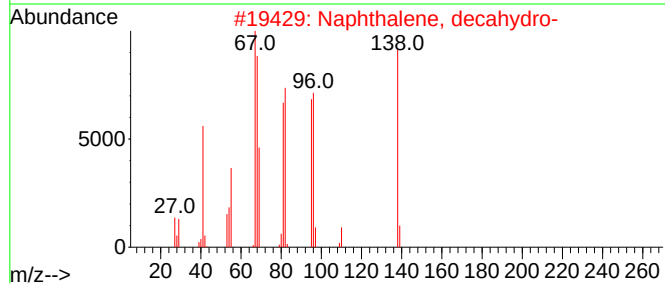
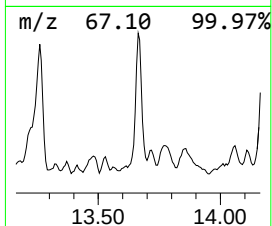
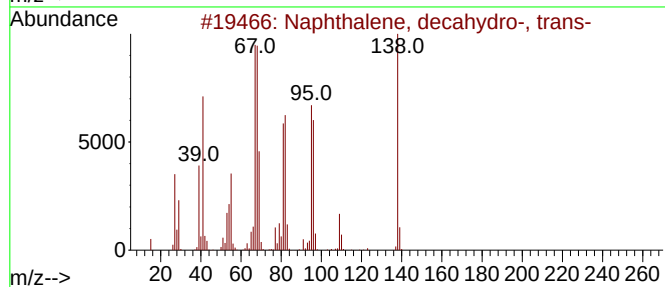
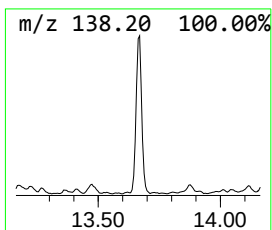
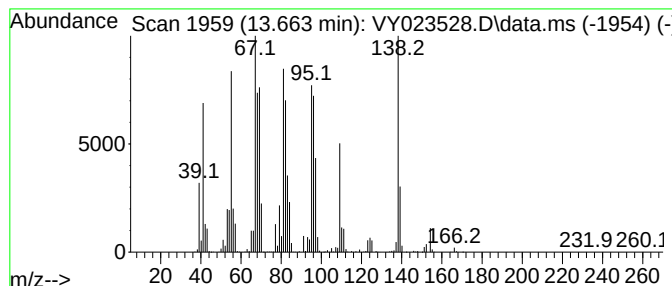
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260

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

Peak Number 7 Naphthalene, decahydro-, tr... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.663	82.41 ug/l	3411830	1,4-Dichlorobenzene-d4	13.346

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	90
2			Naphthalene, decahydro-	138	C10H18	000091-17-8	90
3			Spiro[4.5]decane	138	C10H18	000176-63-6	58
4			Bicyclo[4.1.0]heptane, 3,7,7-tri...	138	C10H18	018968-23-5	55
5			Cyclohexane, 1-methyl-4-(1-methy...	138	C10H18	001124-25-0	49



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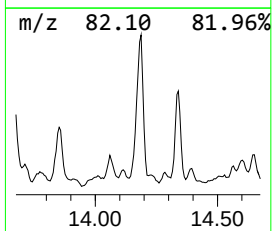
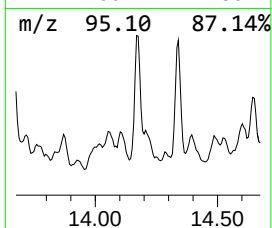
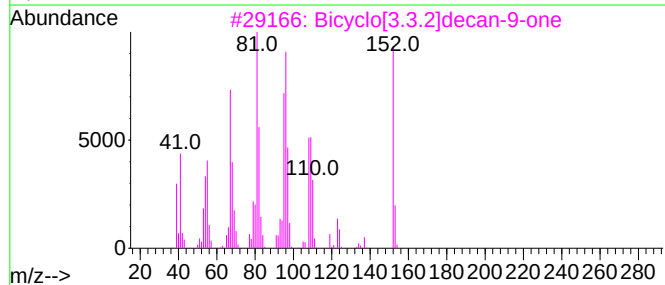
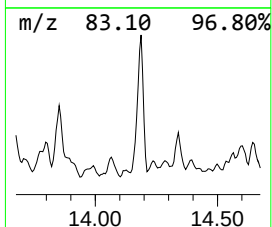
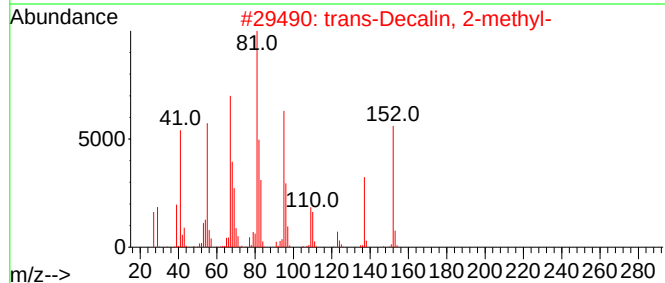
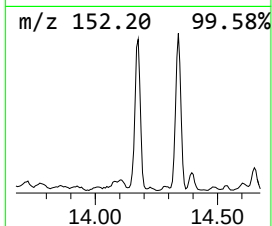
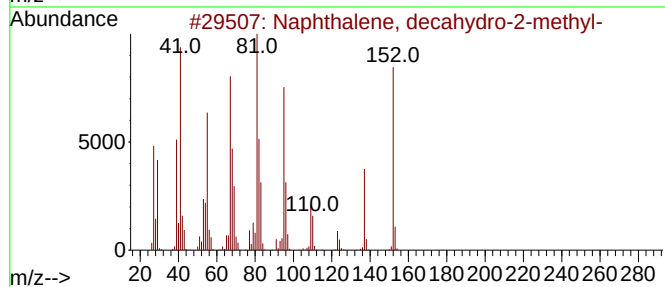
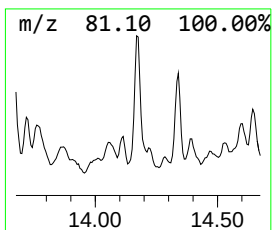
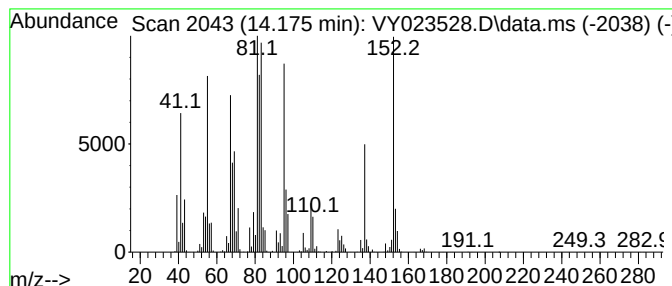
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Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.175	103.66 ug/l	4291450	1,4-Dichlorobenzene-d4	13.346

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	90
2			trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	81
3			Bicyclo[3.3.2]decan-9-one	152	C10H16O	028054-91-3	58
4			Decalin, syn-1-methyl-, cis-	152	C11H20	1000158-89-1	55
5			Cyclohexanone, 5-methyl-2-(1-met...	152	C10H16O	015932-80-6	55



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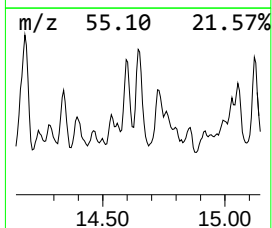
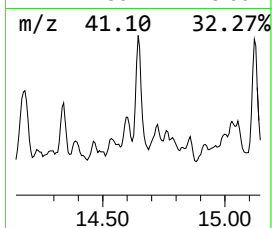
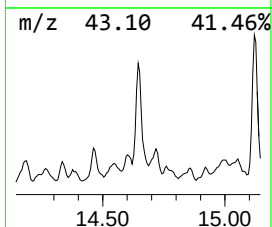
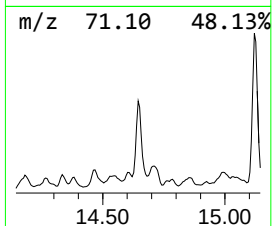
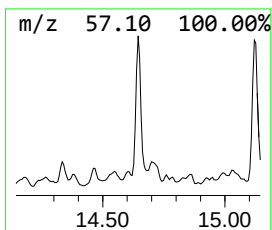
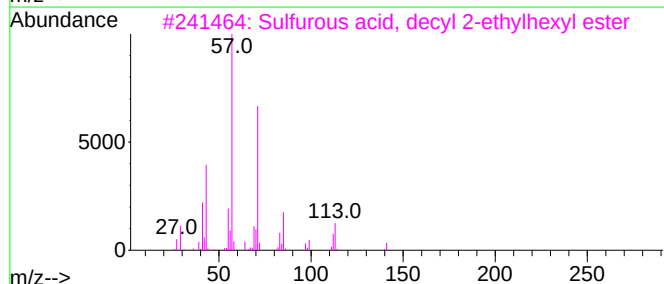
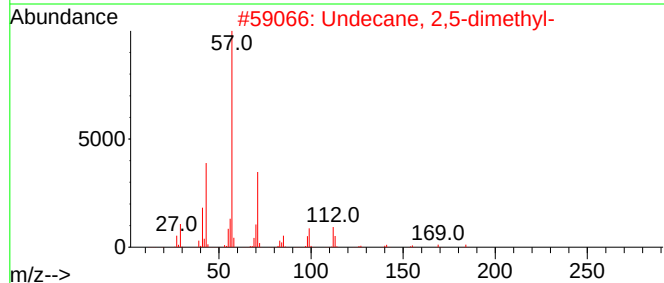
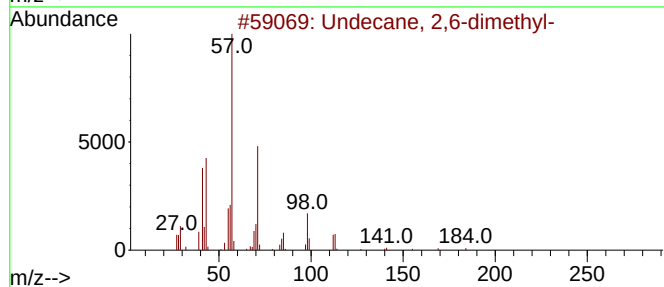
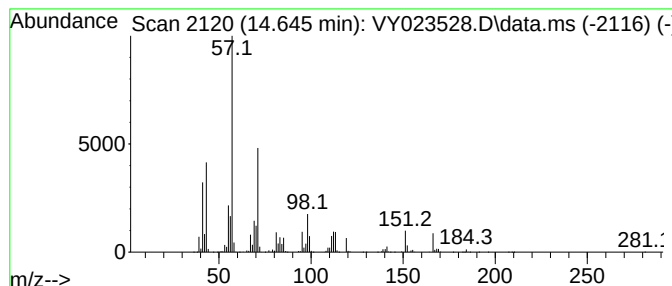
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260

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

Peak Number 9 Undecane, 2,6-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.645	84.33 ug/l	3491290	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	94
2			Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	70
3			Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	52
4			Sulfurous acid, butyl octyl ester	250	C12H26O3S	1000309-17-5	49
5			Sulfurous acid, di(2-ethylhexyl)...	306	C16H34O3S	1000309-19-1	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102125\
Data File : VY023528.D
Acq On : 21 Oct 2025 12:14
Operator : SY/MD
Sample : Q3376-02
Misc : 4.83g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PR132-DP01-20251016

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
Naphthalene, de...	13.663	82.4	ug/l	3411830	4	13.346	2069970	50.0
Naphthalene, de...	14.175	103.7	ug/l	4291450	4	13.346	2069970	50.0
Undecane, 2,6-d...	14.645	84.3	ug/l	3491290	4	13.346	2069970	50.0