

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100623\
 Data File : VY015865.D
 Acq On : 06 Oct 2023 16:22
 Operator : SY/MD
 Sample : 04767-08
 Misc : 5.67g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 Q-2(5-10)

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\82Y100523S.M
 Title : SW846 8260

Signal : TIC: VY015865.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.211	58	64	76	rBV	69774	115851	7.68%	0.599%
2	2.381	87	92	100	rBV	12688	27420	1.82%	0.142%
3	3.966	341	352	368	rBV	14564	53278	3.53%	0.276%
4	4.180	377	387	400	rBV	40147	108205	7.17%	0.560%
5	4.704	460	473	483	rBV	28237	97840	6.49%	0.506%
6	4.783	484	486	499	rVB5	7323	19305	1.28%	0.100%
7	5.161	541	548	570	rVB4	4185	20422	1.35%	0.106%
8	6.996	836	849	855	rBV3	6341	18944	1.26%	0.098%
9	7.716	956	967	972	rBV	94455	229904	15.24%	1.189%
10	7.783	972	978	989	rVB	295671	666781	44.20%	3.448%
11	8.136	1026	1036	1048	rBV2	194854	469917	31.15%	2.430%
12	8.685	1117	1126	1138	rBV	447494	885659	58.72%	4.580%
13	9.179	1194	1207	1214	rBV3	33184	73499	4.87%	0.380%
14	9.258	1214	1220	1229	rVV2	8119	17502	1.16%	0.091%
15	10.179	1362	1371	1377	rBV	711776	1239288	82.16%	6.409%
16	10.240	1377	1381	1389	rVB	57154	100728	6.68%	0.521%
17	10.362	1396	1401	1416	rVB6	10318	29486	1.95%	0.152%
18	10.935	1488	1495	1504	rBV2	30055	53656	3.56%	0.277%
19	11.087	1515	1520	1525	rBV2	12469	19887	1.32%	0.103%
20	11.489	1578	1586	1595	rBV	637390	1052590	69.78%	5.443%
21	11.587	1597	1602	1608	rBV	11737	21887	1.45%	0.113%
22	11.697	1610	1620	1628	rBV	50039	105237	6.98%	0.544%
23	12.032	1669	1675	1682	rVB2	35357	76880	5.10%	0.398%
24	12.203	1692	1703	1714	rBV	87837	159024	10.54%	0.822%
25	12.337	1714	1725	1729	rBV2	47352	116400	7.72%	0.602%
26	12.477	1742	1748	1761	rVB	530644	877588	58.18%	4.538%
27	12.733	1783	1790	1792	rBV	12152	20011	1.33%	0.103%
28	12.806	1797	1802	1807	rBV2	29309	43957	2.91%	0.227%
29	12.947	1807	1825	1835	rBV4	70572	377460	25.02%	1.952%
30	13.050	1836	1842	1844	rBV5	26486	53389	3.54%	0.276%
31	13.117	1849	1853	1857	rVV2	61838	113919	7.55%	0.589%
32	13.166	1857	1861	1865	rVV2	45948	69661	4.62%	0.360%
33	13.422	1896	1903	1913	rVB	619617	988599	65.54%	5.112%
34	13.526	1913	1920	1924	rBV2	54848	107039	7.10%	0.554%
35	13.629	1932	1937	1939	rBV2	36130	62192	4.12%	0.322%
36	13.751	1953	1957	1961	rBV	53442	72075	4.78%	0.373%

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Min Area: 3 % of largest Peak

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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\82Y100523S.M
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37	13.806	1961	1966	1973	rVB2	37974	69377	4.60%	0.359%
38	13.885	1973	1979	1980	rBV3	12884	21596	1.43%	0.112%
39	13.916	1980	1984	1988	rVB	22960	33086	2.19%	0.171%
40	13.965	1988	1992	1996	rBV2	34440	56883	3.77%	0.294%
41	14.013	1996	2000	2006	rVB4	25102	40789	2.70%	0.211%
42	14.074	2006	2010	2015	rBV3	29827	44822	2.97%	0.232%
43	14.227	2027	2035	2036	rBV4	26197	61526	4.08%	0.318%
44	14.269	2037	2042	2044	rBV4	23152	41633	2.76%	0.215%
45	14.330	2049	2052	2056	rVB	54256	77018	5.11%	0.398%
46	14.379	2056	2060	2063	rBV	75344	100138	6.64%	0.518%
47	14.416	2063	2066	2070	rBV	47193	63216	4.19%	0.327%
48	14.519	2079	2083	2086	rBV	36155	48278	3.20%	0.250%
49	14.574	2086	2092	2094	rBV3	48312	101561	6.73%	0.525%
50	14.611	2094	2098	2102	rVB	224270	302051	20.02%	1.562%
51	14.672	2102	2108	2112	rBV2	252554	568864	37.71%	2.942%
52	14.727	2112	2117	2132	rVB3	419823	1089449	72.23%	5.634%
53	14.836	2132	2135	2137	rBV4	24496	33269	2.21%	0.172%
54	14.903	2143	2146	2147	rBV2	34890	37024	2.45%	0.191%
55	14.940	2147	2152	2156	rVV3	180988	317318	21.04%	1.641%
56	15.056	2165	2171	2176	rBV2	257751	533145	35.35%	2.757%
57	15.233	2189	2200	2206	rBV	741261	1508384	100.00%	7.800%
58	15.288	2207	2209	2212	rBV3	20576	23837	1.58%	0.123%
59	15.342	2212	2218	2222	rBV3	221633	426552	28.28%	2.206%
60	15.391	2222	2226	2230	rVV3	172381	368951	24.46%	1.908%
61	15.434	2230	2233	2241	rVB4	249917	465526	30.86%	2.407%
62	15.525	2241	2248	2255	rBV4	154723	388423	25.75%	2.009%
63	15.605	2257	2261	2265	rBV4	61042	93377	6.19%	0.483%
64	15.690	2266	2275	2279	rBV4	149675	449224	29.78%	2.323%
65	15.812	2291	2295	2300	rVB4	101287	169256	11.22%	0.875%
66	15.885	2301	2307	2312	rBV3	165194	377709	25.04%	1.953%
67	16.025	2323	2330	2336	rBV2	183965	414055	27.45%	2.141%
68	16.080	2336	2339	2343	rBV5	27747	50203	3.33%	0.260%
69	16.214	2354	2361	2367	rBV6	94083	249310	16.53%	1.289%
70	16.287	2367	2373	2379	rBV	537040	1013427	67.19%	5.241%
71	16.482	2398	2405	2418	rBV2	415679	978321	64.86%	5.059%
72	16.592	2419	2423	2436	rVB4	44684	117672	7.80%	0.609%
73	16.696	2438	2440	2446	rVB4	22532	37050	2.46%	0.192%

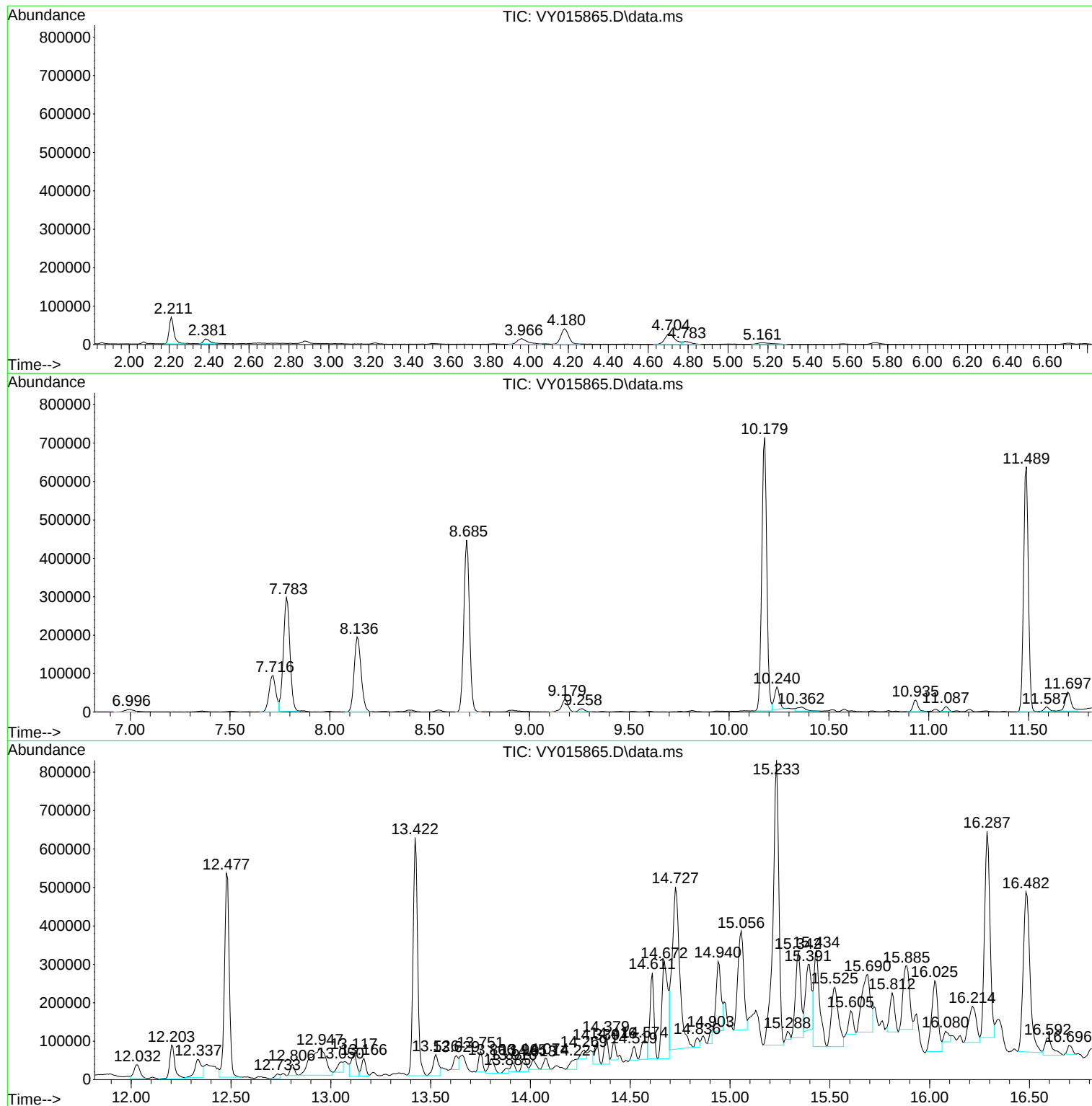
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ClientSampleId :
Q-2(5-10)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100523S.M
Quant Title : SW846 8260

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



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ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
Q-2(5-10)

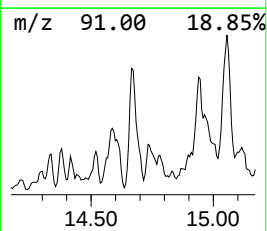
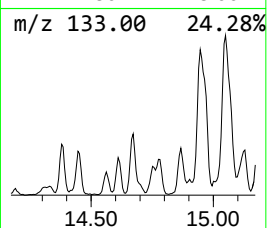
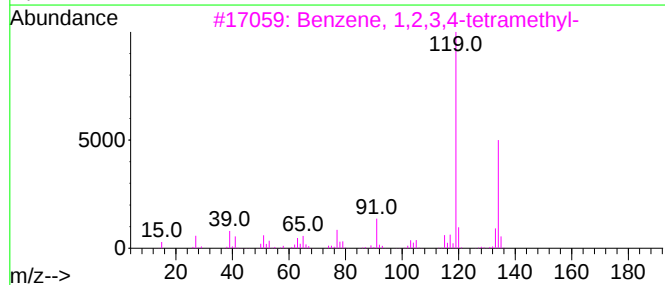
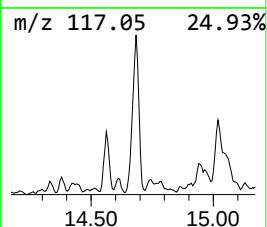
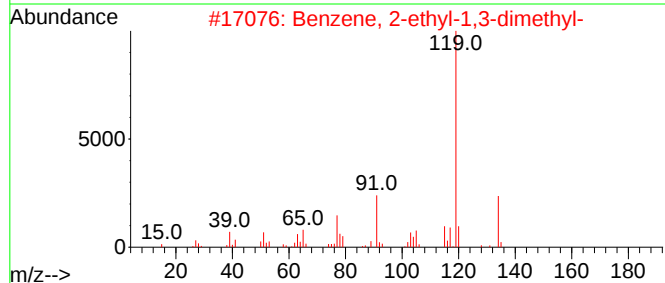
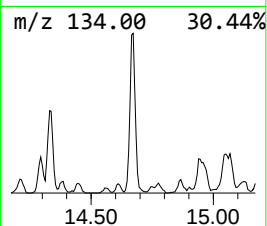
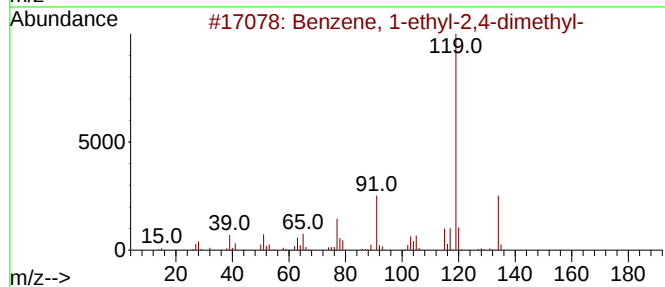
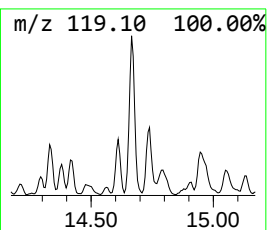
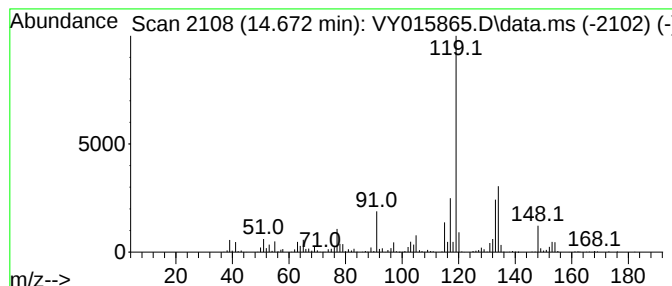
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100523S.M
Quant Title : SW846 8260

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

Peak Number 1 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.672	28.77 ug/l	568864	1,4-Dichlorobenzene-d4	13.422

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	90
2			Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	90
3			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	64
4			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	64
5			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	64



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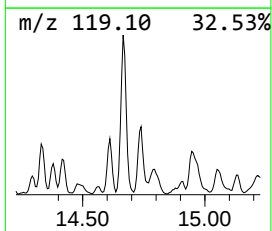
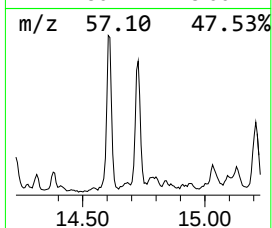
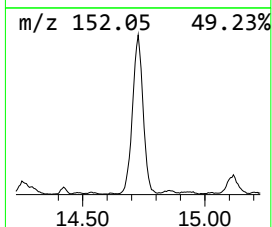
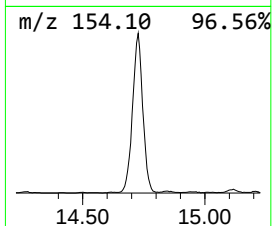
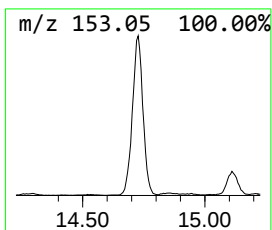
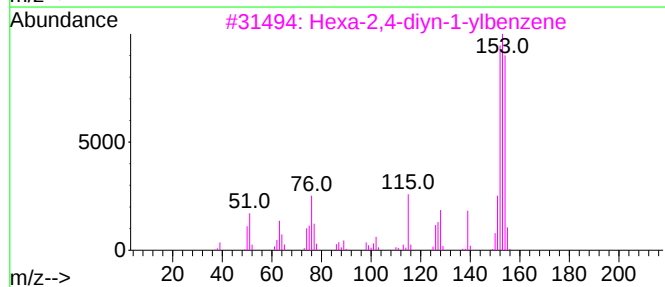
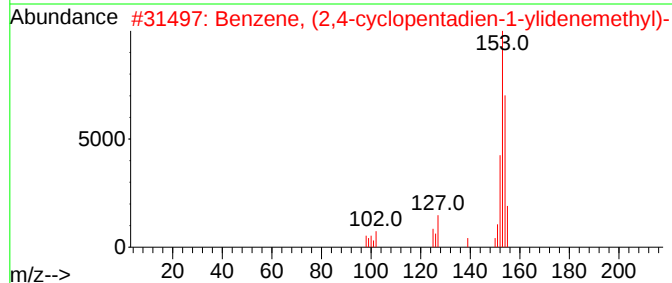
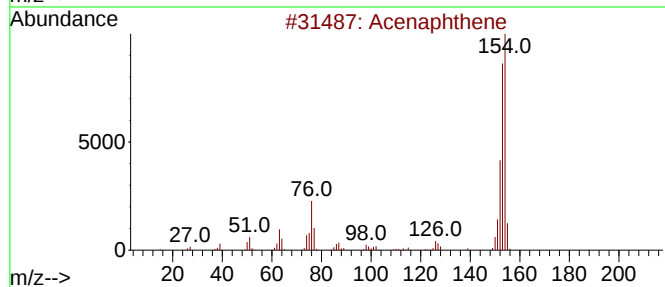
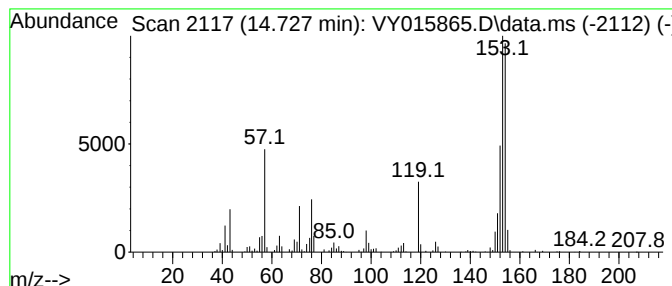
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Benzene, (2,4-cyclopentadie... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.727	55.10 ug/l	1089450	1,4-Dichlorobenzene-d4	13.422

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Acenaphthene	154	C12H10	000083-32-9	70
2			Benzene, (2,4-cyclopentadien-1-y...	154	C12H10	007338-50-3	53
3			Hexa-2,4-diyne-1-ylbenzene	154	C12H10	000520-74-1	50
4			1,4-Ethenonaphthalene, 1,4-dihydro-	154	C12H10	007322-47-6	50
5			2,4,6-Trihydroxybenzaldehyde	154	C7H6O4	000487-70-7	43



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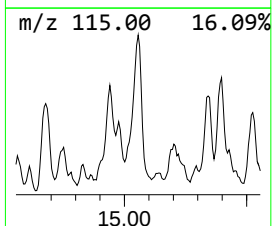
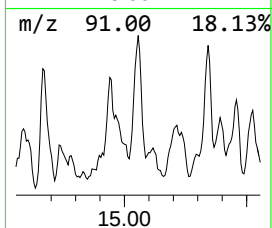
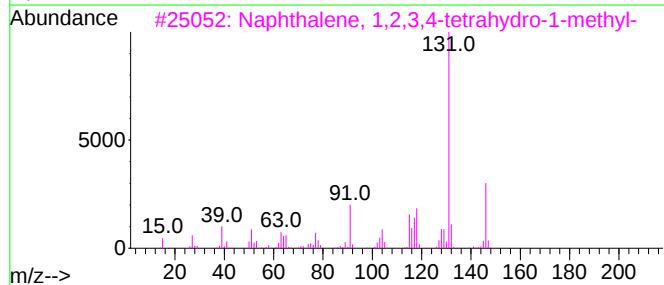
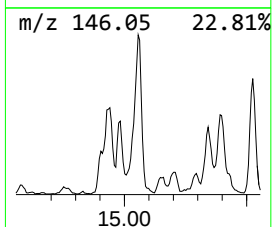
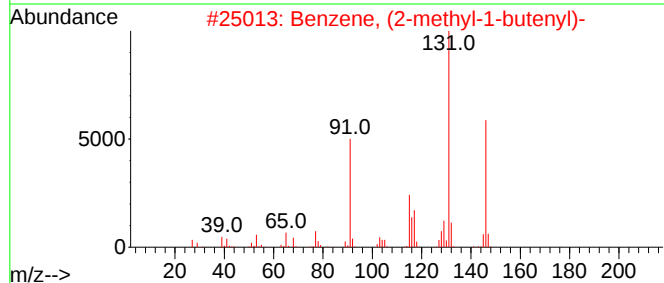
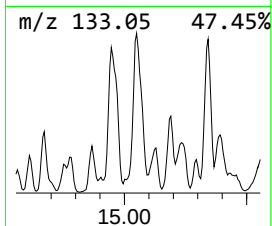
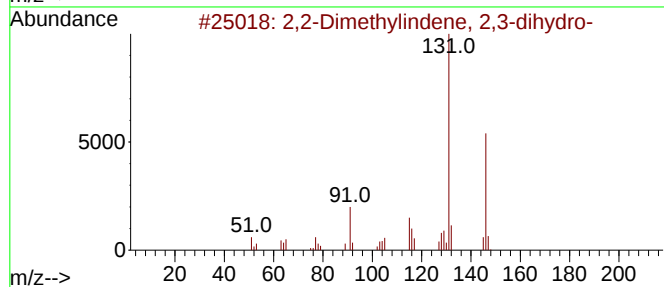
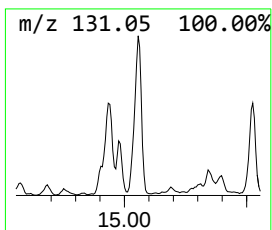
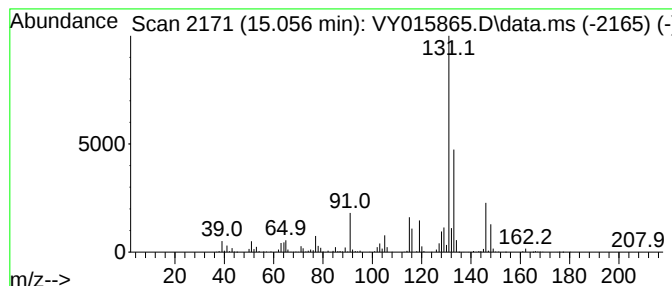
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 2,2-Dimethylindene, 2,3-dih... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.056	26.96 ug/l	533145	1,4-Dichlorobenzene-d4	13.422

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	64
2			Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	64
3			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	64
4			1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	58
5			1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	58



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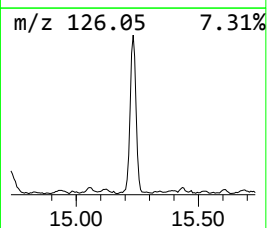
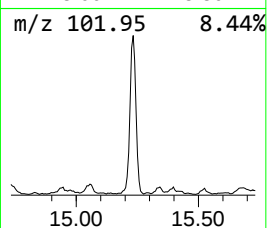
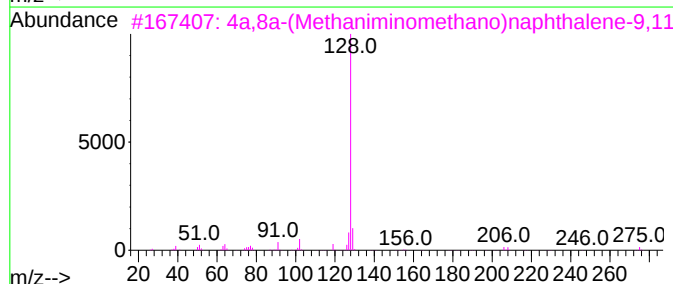
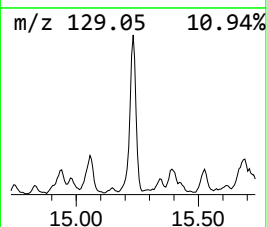
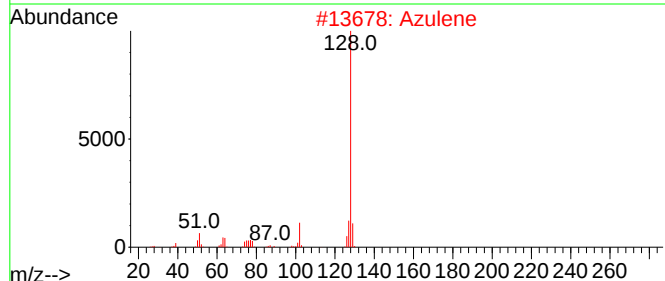
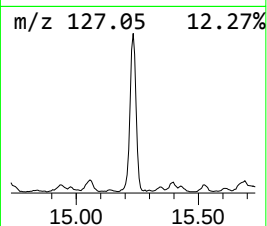
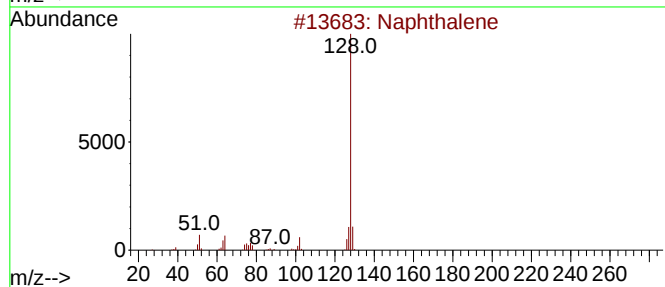
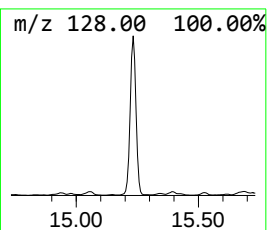
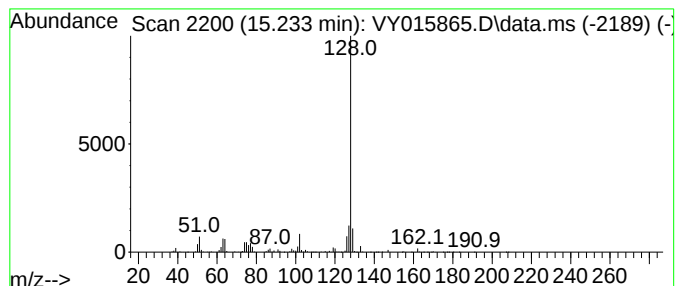
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Quant Title : SW846 8260

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

Peak Number 4 Azulene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.233	76.29 ug/l	1508380	1,4-Dichlorobenzene-d4	13.422

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene	128	C10H8	000091-20-3	94
2			Azulene	128	C10H8	000275-51-4	90
3			4a,8a-(Methaniminomethano)naphth...	275	C18H13NO2	069915-10-2	64
4			[4.2.2]Propella-2,4,7,9-tetraene	128	C10H8	088090-34-0	50
5			1,4-Benzenedicarbonitrile	128	C8H4N2	000623-26-7	45



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100623\
Data File : VY015865.D
Acq On : 06 Oct 2023 16:22
Operator : SY/MD
Sample : 04767-08
Misc : 5.67g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
Q-2(5-10)

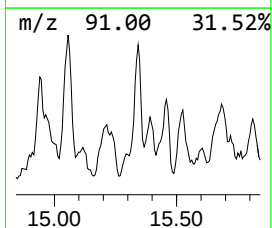
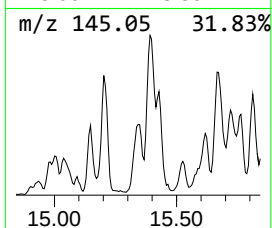
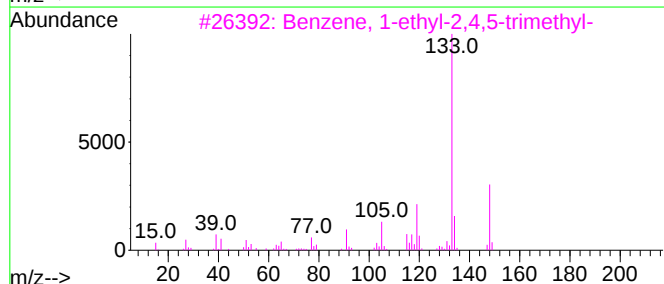
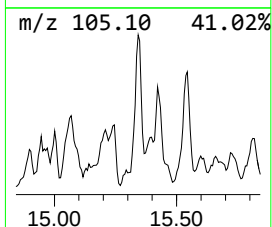
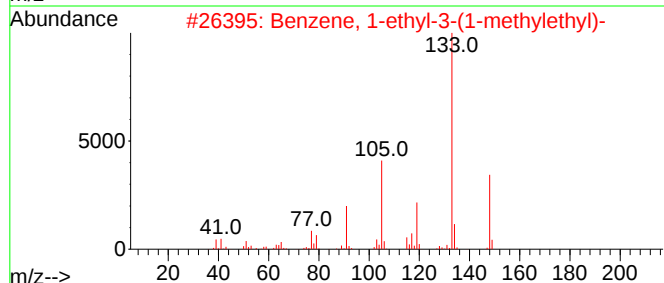
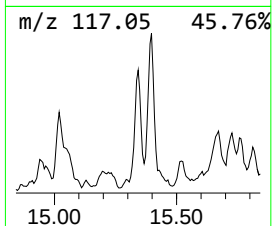
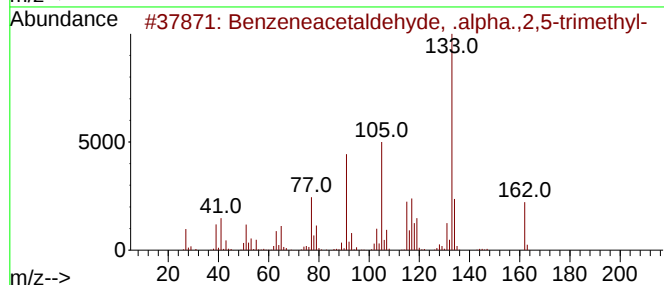
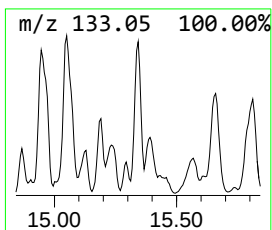
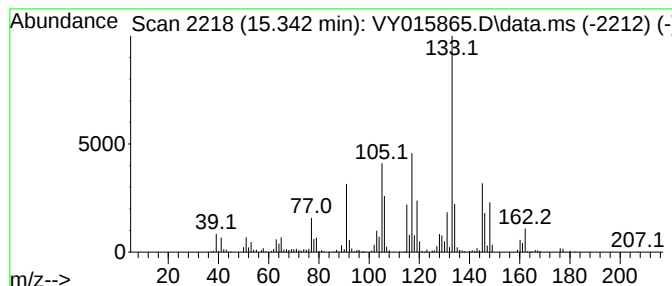
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Quant Title : SW846 8260

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

Peak Number 5 unknown15.342 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.342	21.57 ug/l	426552	1,4-Dichlorobenzene-d4	13.422

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzeneacetaldehyde, .alpha.,2,5...	162	C11H14O	052417-50-2	47
2			Benzene, 1-ethyl-3-(1-methylethyl)-	148	C11H16	004920-99-4	43
3			Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	43
4			Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	43
5			4-tert-Butyltoluene	148	C11H16	000098-51-1	38



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100623\
Data File : VY015865.D
Acq On : 06 Oct 2023 16:22
Operator : SY/MD
Sample : 04767-08
Misc : 5.67g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
Q-2(5-10)

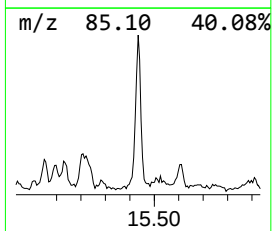
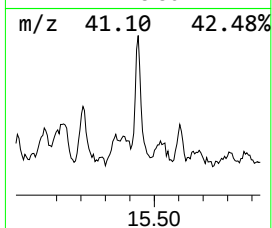
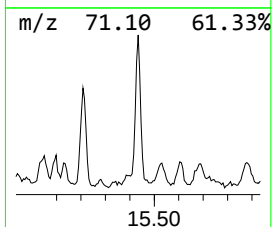
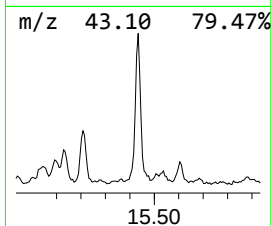
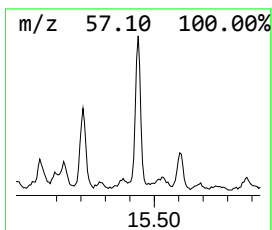
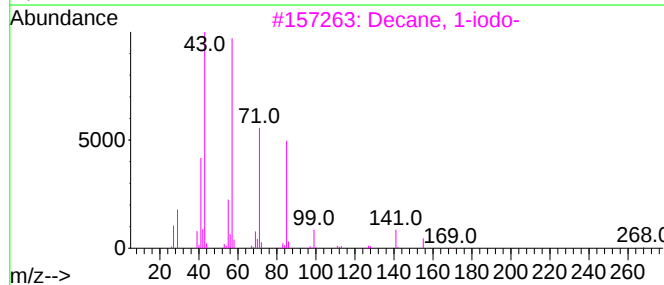
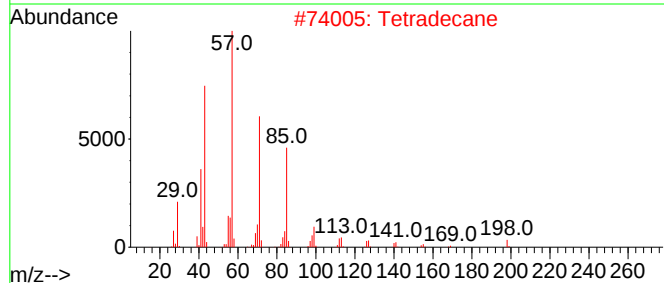
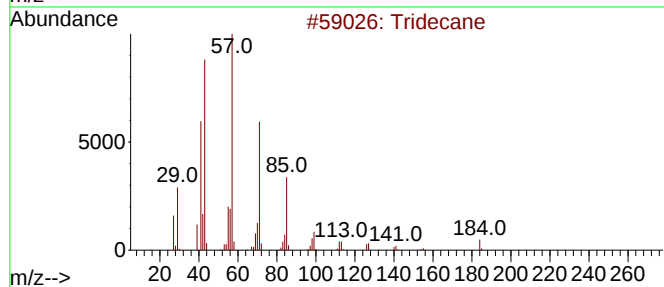
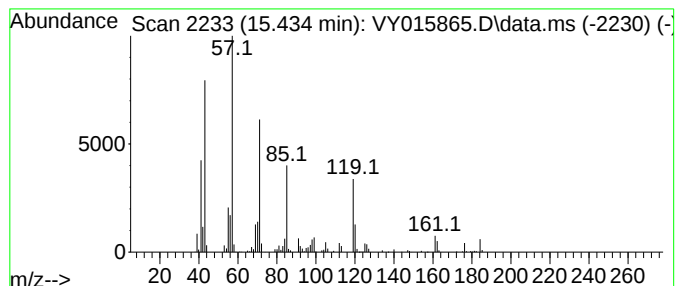
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Quant Title : SW846 8260

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

Peak Number 6 Tridecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.434	23.54 ug/l	465526	1,4-Dichlorobenzene-d4	13.422

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Tridecane	184	C13H28	000629-50-5	83
2			Tetradecane	198	C14H30	000629-59-4	52
3			Decane, 1-iodo-	268	C10H21I	002050-77-3	50
4			Sulfurous acid, butyl nonyl ester	264	C13H28O3S	1000309-17-6	50
5			Hexadecane	226	C16H34	000544-76-3	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100623\
Data File : VY015865.D
Acq On : 06 Oct 2023 16:22
Operator : SY/MD
Sample : 04767-08
Misc : 5.67g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
Q-2(5-10)

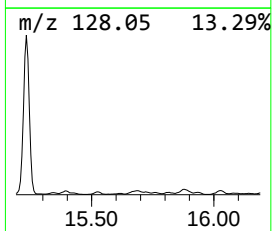
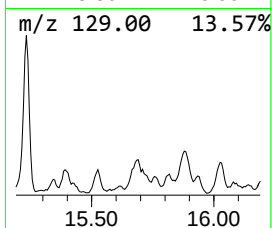
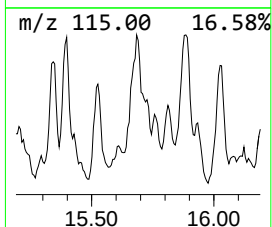
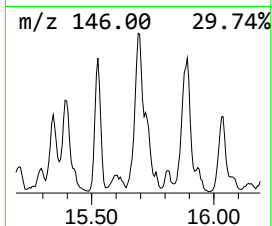
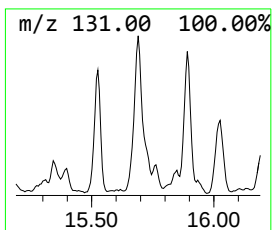
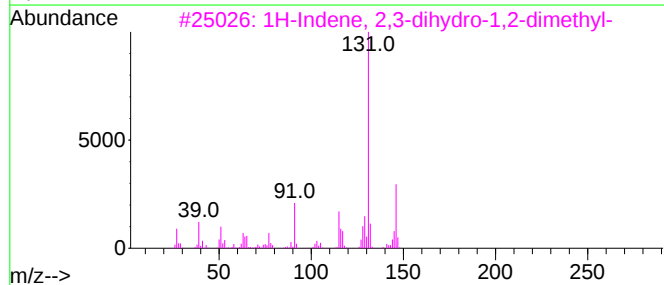
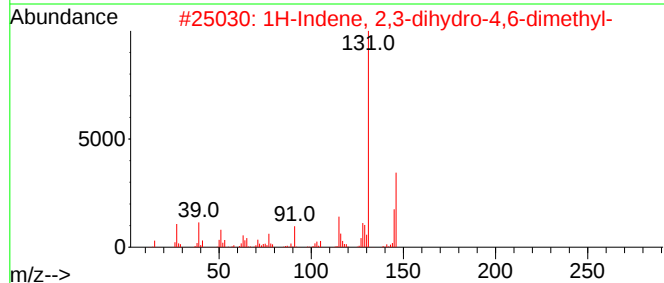
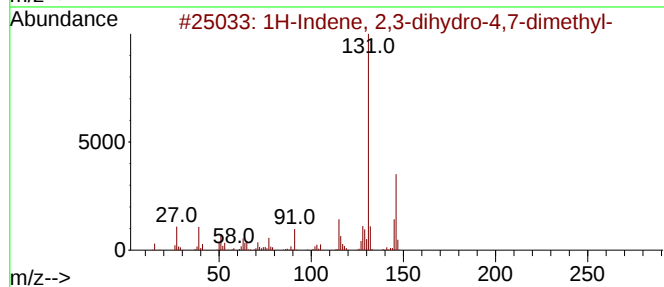
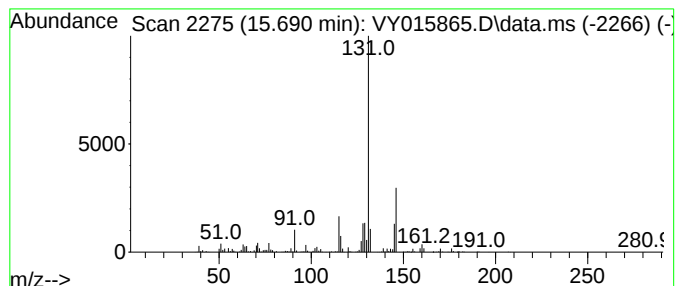
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Quant Title : SW846 8260

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

Peak Number 7 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.690	22.72 ug/l	449224	1,4-Dichlorobenzene-d4	13.422

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	95
2			1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	93
3			1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	91
4			1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	91
5			1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100623\
Data File : VY015865.D
Acq On : 06 Oct 2023 16:22
Operator : SY/MD
Sample : 04767-08
Misc : 5.67g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
Q-2(5-10)

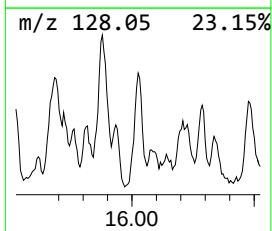
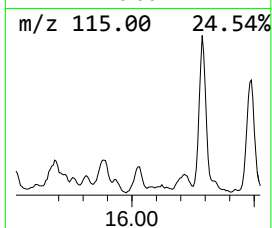
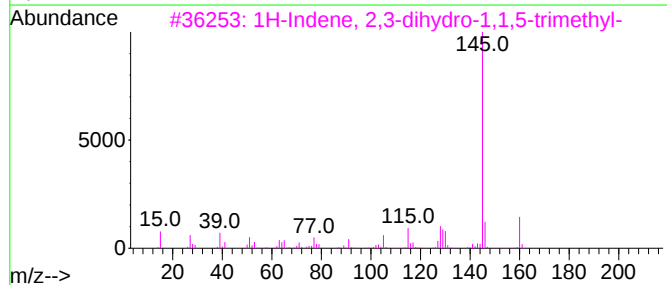
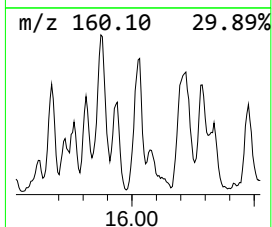
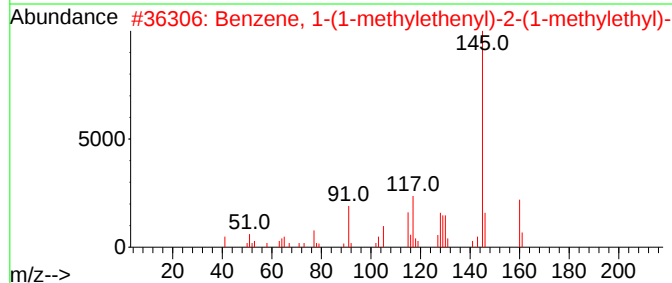
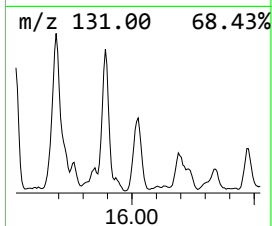
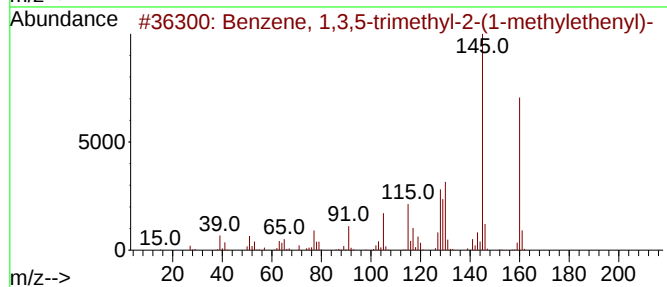
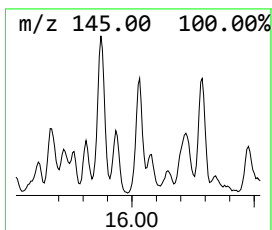
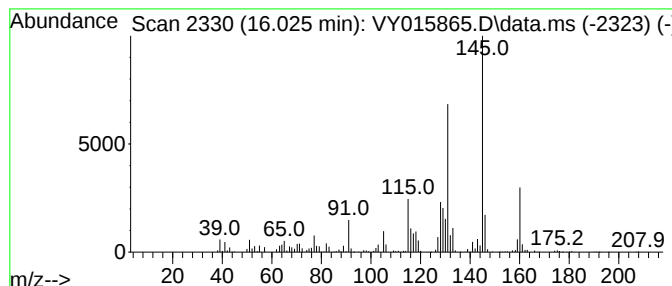
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Quant Title : SW846 8260

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

Peak Number 8 Benzene, 1,3,5-trimethyl-2-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.025	20.94 ug/l	414055	1,4-Dichlorobenzene-d4	13.422

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,3,5-trimethyl-2-(1-me...	160	C12H16	014679-13-1	83
2			Benzene, 1-(1-methylethenyl)-2-(...	160	C12H16	005557-93-7	76
3			1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	76
4			1H-Indene, 2,3-dihydro-1,1,3-tri...	160	C12H16	002613-76-5	62
5			1H-Inden-1-one, 2,3-dihydro-3,3-...	160	C11H12O	026465-81-6	60



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100623\
Data File : VY015865.D
Acq On : 06 Oct 2023 16:22
Operator : SY/MD
Sample : 04767-08
Misc : 5.67g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
Q-2(5-10)

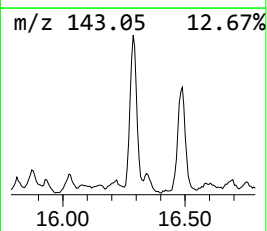
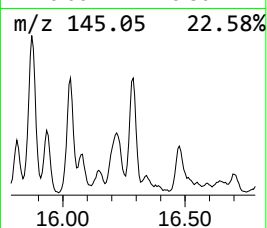
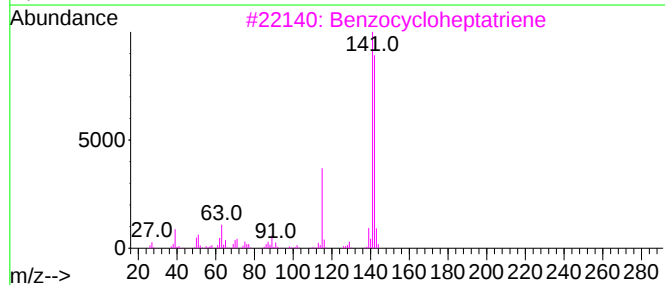
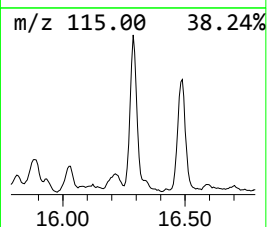
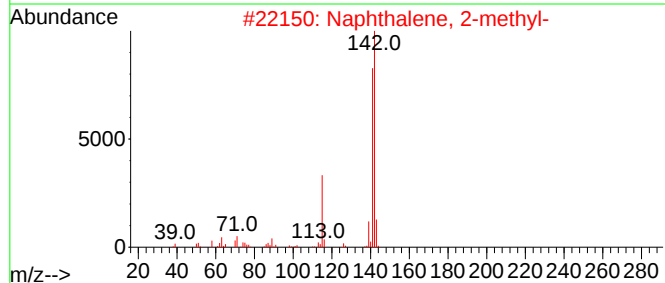
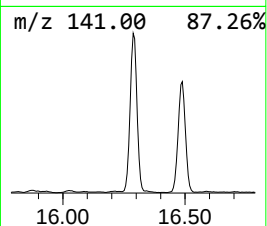
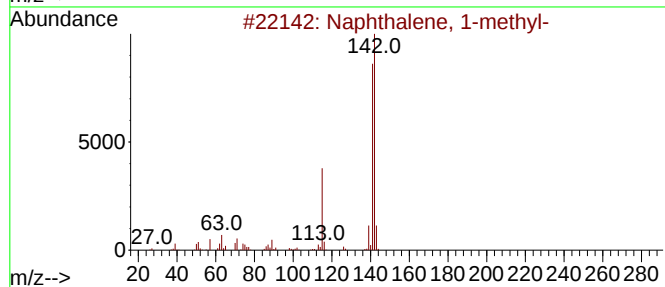
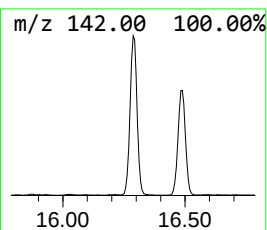
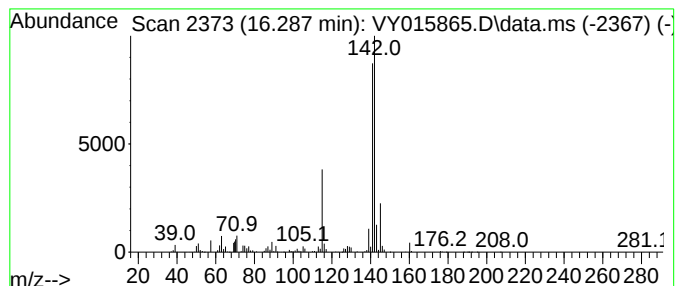
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Quant Title : SW846 8260

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

Peak Number 9 Benzocycloheptatriene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.287	51.26 ug/l	1013430	1,4-Dichlorobenzene-d4	13.422

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3			Benzocycloheptatriene	142	C11H10	000264-09-5	90
4			1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	87
5			1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100623\
Data File : VY015865.D
Acq On : 06 Oct 2023 16:22
Operator : SY/MD
Sample : 04767-08
Misc : 5.67g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
Q-2(5-10)

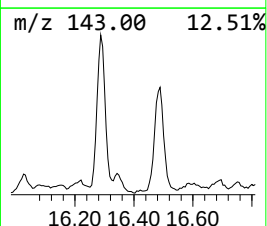
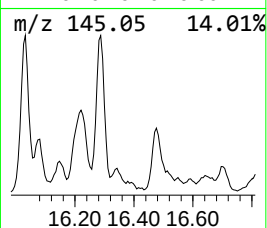
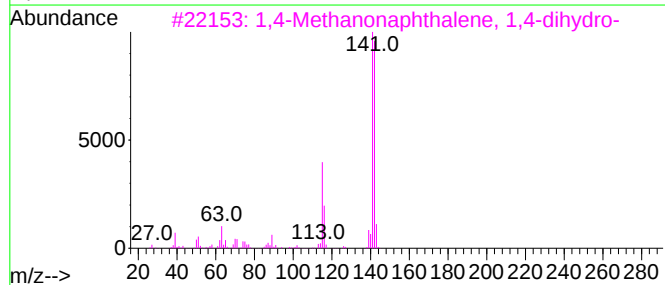
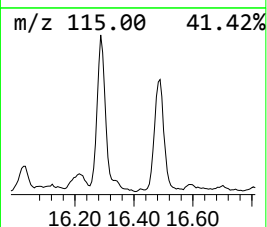
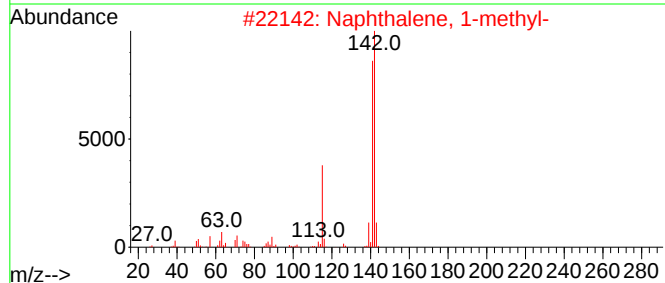
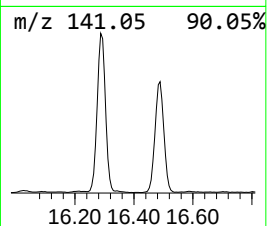
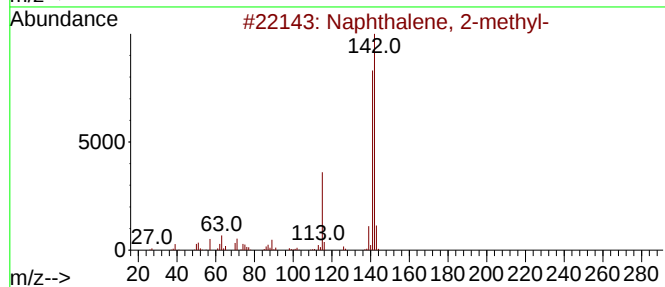
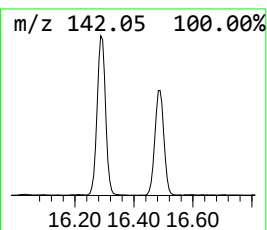
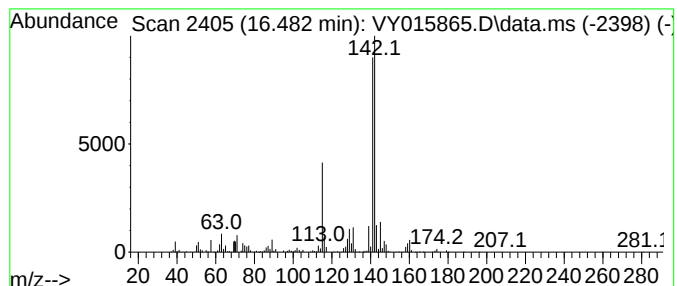
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Quant Title : SW846 8260

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

Peak Number 10 1,4-Methanonaphthalene, 1,4... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.483	49.48 ug/l	978321	1,4-Dichlorobenzene-d4	13.422

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3			1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
4			Benzocycloheptatriene	142	C11H10	000264-09-5	87
5			Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100623\
Data File : VY015865.D
Acq On : 06 Oct 2023 16:22
Operator : SY/MD
Sample : 04767-08
Misc : 5.67g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
Q-2(5-10)

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100523S.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Benzene, 1-ethy...	14.672	28.8	ug/l	568864	4	13.422	988599	50.0
Benzene, (2,4-c...	14.727	55.1	ug/l	1089450	4	13.422	988599	50.0
2,2-Dimethylind...	15.056	27.0	ug/l	533145	4	13.422	988599	50.0
Azulene	15.233	76.3	ug/l	1508380	4	13.422	988599	50.0
unknown15.342	15.342	21.6	ug/l	426552	4	13.422	988599	50.0
Tridecane	15.434	23.5	ug/l	465526	4	13.422	988599	50.0
1H-Indene, 2,3-...	15.690	22.7	ug/l	449224	4	13.422	988599	50.0
Benzene, 1,3,5-...	16.025	20.9	ug/l	414055	4	13.422	988599	50.0
Benzocyclohepta...	16.287	51.3	ug/l	1013430	4	13.422	988599	50.0
1,4-Methanonaph...	16.483	49.5	ug/l	978321	4	13.422	988599	50.0