

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052523\
 Data File : VD076234.D
 Acq On : 25 May 2023 15:40
 Operator : KP/SY
 Sample : 02892-10
 Misc : 6.10G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-32

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_D\Method\82D051523S.M
 Title : SW846 8260

Signal : TIC: VD076234.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.728	18	24	39	rBV	250023	464794	100.00%	10.726%
2	4.034	410	416	425	rVB4	2572	6529	1.40%	0.151%
3	4.793	536	545	556	rVB4	12944	37859	8.15%	0.874%
4	7.799	1047	1056	1063	rBV2	29707	72789	15.66%	1.680%
5	7.869	1063	1068	1077	rVB2	28109	65213	14.03%	1.505%
6	8.228	1120	1129	1139	rVB2	28272	61107	13.15%	1.410%
7	8.775	1212	1222	1230	rBV	49983	101324	21.80%	2.338%
8	10.269	1468	1476	1486	rBV	66411	122034	26.26%	2.816%
9	11.581	1689	1699	1707	rBV	75229	128508	27.65%	2.965%
10	12.093	1781	1786	1792	rBV5	4519	9086	1.95%	0.210%
11	12.298	1817	1821	1823	rBV3	3291	5105	1.10%	0.118%
12	12.575	1861	1868	1875	rBV	61715	98471	21.19%	2.272%
13	12.740	1892	1896	1904	rVB6	10262	18455	3.97%	0.426%
14	12.898	1917	1923	1928	rBV8	5570	11878	2.56%	0.274%
15	13.045	1944	1948	1952	rVB4	3159	5143	1.11%	0.119%
16	13.140	1958	1964	1970	rVB6	8969	16382	3.52%	0.378%
17	13.234	1972	1980	1981	rBV6	4017	7289	1.57%	0.168%
18	13.263	1981	1985	1989	rBV6	2790	4717	1.01%	0.109%
19	13.516	2022	2028	2036	rVB	72688	123644	26.60%	2.853%
20	13.587	2036	2040	2042	rBV4	3343	5224	1.12%	0.121%
21	13.663	2048	2053	2055	rBV5	6575	9162	1.97%	0.211%
22	13.781	2067	2073	2076	rBV7	4335	8535	1.84%	0.197%
23	13.845	2077	2084	2089	rVV6	40794	76104	16.37%	1.756%
24	13.957	2098	2103	2104	rBV5	4491	5948	1.28%	0.137%
25	14.110	2126	2129	2133	rVB5	4984	7013	1.51%	0.162%
26	14.169	2133	2139	2143	rBV3	32144	58495	12.59%	1.350%
27	14.222	2144	2148	2156	rVB6	21691	45019	9.69%	1.039%
28	14.287	2156	2159	2160	rBV2	9023	6597	1.42%	0.152%
29	14.351	2166	2170	2173	rBV5	35446	60059	12.92%	1.386%
30	14.387	2173	2176	2180	rVB4	32558	49271	10.60%	1.137%
31	14.475	2186	2191	2194	rBV2	41198	64272	13.83%	1.483%
32	14.510	2194	2197	2205	rVB5	37371	62455	13.44%	1.441%
33	14.604	2209	2213	2218	rVB5	16044	29642	6.38%	0.684%
34	14.663	2220	2223	2227	rBV5	10345	16568	3.56%	0.382%
35	14.704	2227	2230	2235	rVB2	33227	43833	9.43%	1.011%
36	14.763	2235	2240	2241	rBV3	33805	48891	10.52%	1.128%

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Integrator: RTE

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Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

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Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

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37	14.828	2246	2251	2256	rBV5	40460	84677	18.22%	1.954%
38	14.969	2267	2275	2278	rBV6	33632	79586	17.12%	1.837%
39	15.039	2281	2287	2295	rVV4	86038	205522	44.22%	4.743%
40	15.145	2300	2305	2315	rVB5	71654	187674	40.38%	4.331%
41	15.304	2327	2332	2341	rBV6	88752	192127	41.34%	4.434%
42	15.386	2341	2346	2350	rBV4	62575	112327	24.17%	2.592%
43	15.534	2368	2371	2379	rVB8	33305	76110	16.37%	1.756%
44	15.628	2380	2387	2393	rBV6	73513	202858	43.64%	4.681%
45	15.704	2397	2400	2405	rVV6	50947	86662	18.65%	2.000%
46	15.786	2406	2414	2426	rVV6	60462	232756	50.08%	5.371%
47	15.916	2434	2436	2443	rVB5	46111	68956	14.84%	1.591%
48	15.992	2443	2449	2454	rBV5	47333	122606	26.38%	2.829%
49	16.139	2468	2474	2479	rBV4	78965	176956	38.07%	4.083%
50	16.263	2491	2495	2500	rBV4	64570	110946	23.87%	2.560%
51	16.339	2503	2508	2514	rVB4	104402	222590	47.89%	5.136%
52	16.592	2546	2551	2558	rBV10	75650	213755	45.99%	4.933%

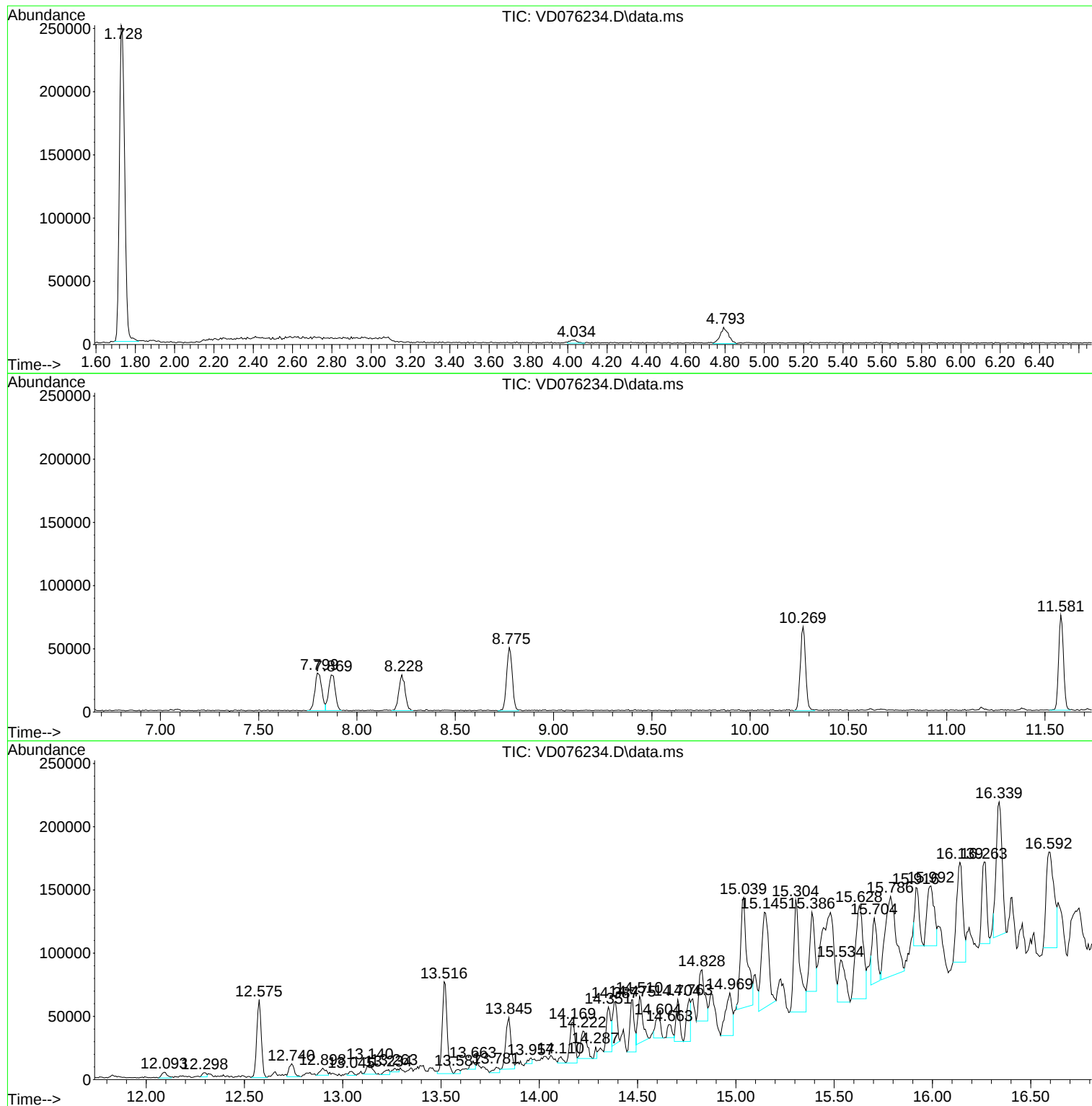
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051523S.M
Quant Title : SW846 8260

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



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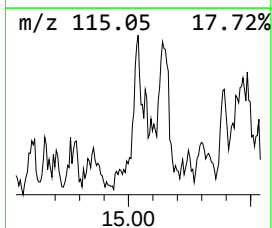
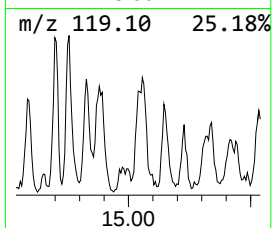
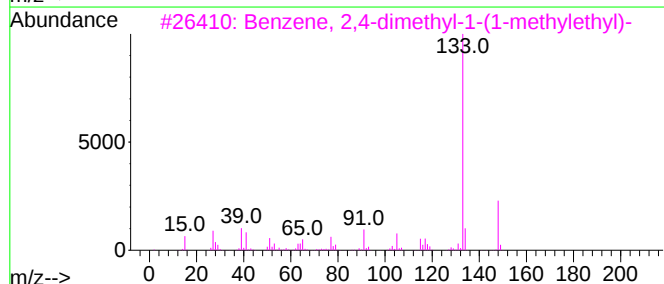
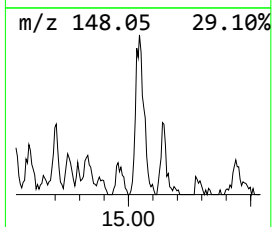
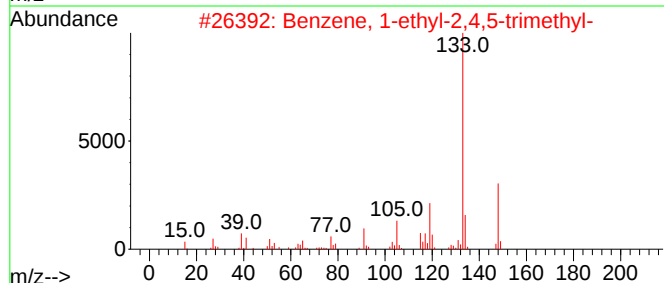
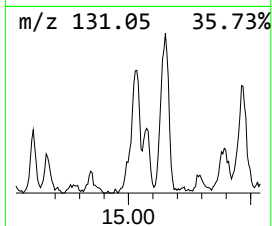
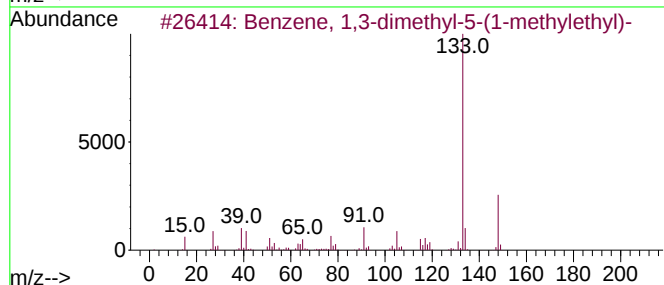
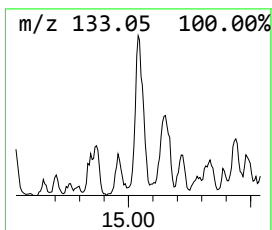
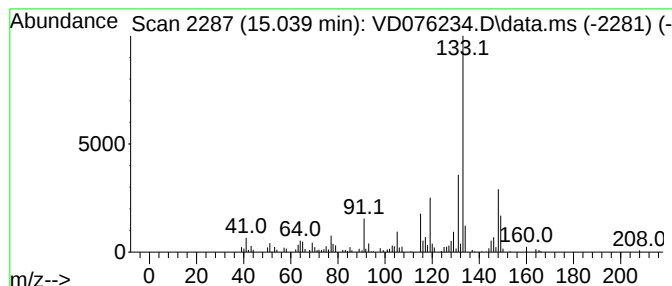
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051523S.M
Quant Title : SW846 8260

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

Peak Number 2 Benzene, 1,3-dimethyl-5-(1-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.039	83.11 ug/l	205522	1,4-Dichlorobenzene-d4	13.516

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	64
2			Benzene, 1-ethyl-2,4,5-trimethyl-	148	C11H16	017851-27-3	64
3			Benzene, 2,4-dimethyl-1-(1-methy...	148	C11H16	004706-89-2	53
4			Benzene, 1,4-dimethyl-2-(1-methy...	148	C11H16	004132-72-3	53
5			Benzene, pentamethyl-	148	C11H16	000700-12-9	52



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ALS Vial : 10 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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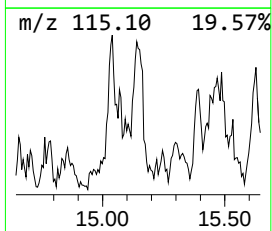
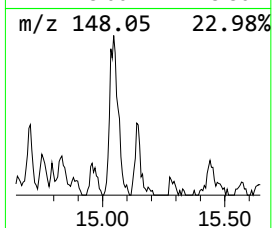
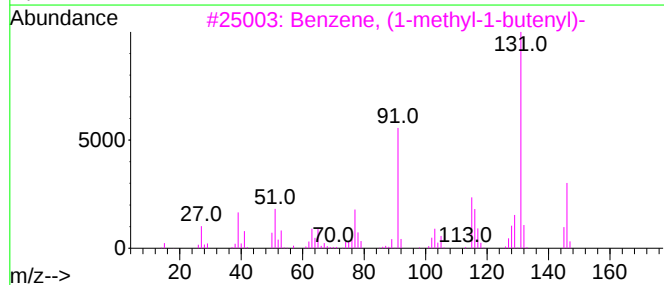
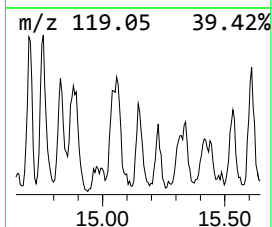
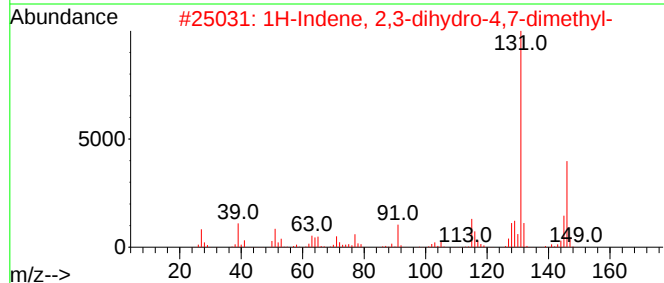
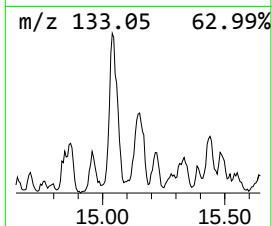
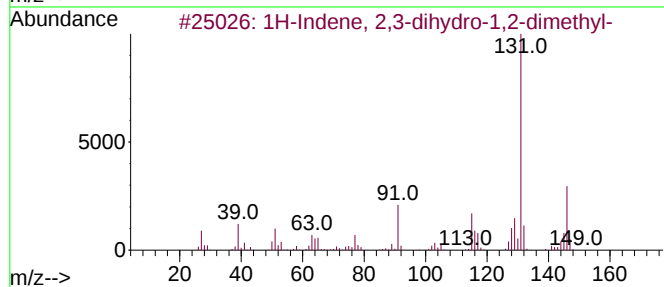
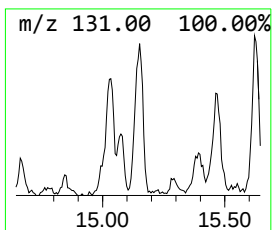
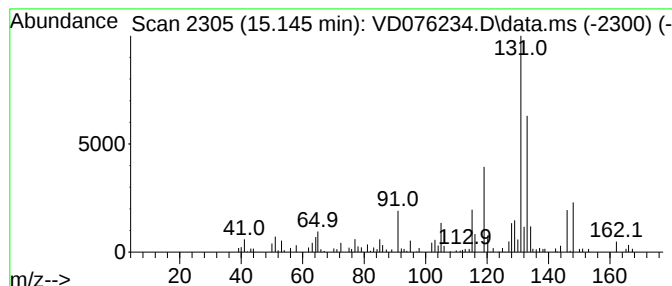
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051523S.M
Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.145	75.89 ug/l	187674	1,4-Dichlorobenzene-d4	13.516

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	55
2			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	55
3			Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	55
4			Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	53
5			Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	50



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Misc : 6.10G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TP-32

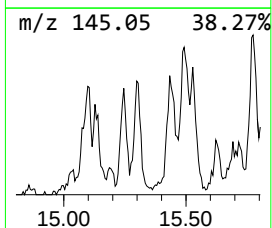
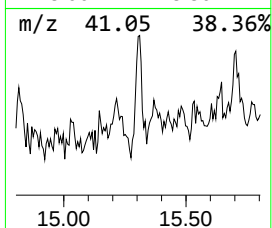
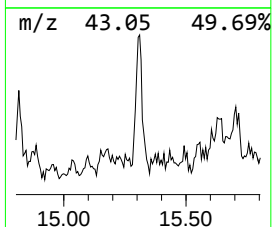
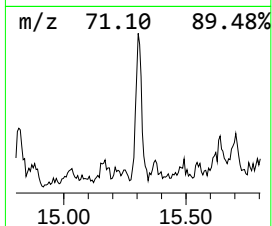
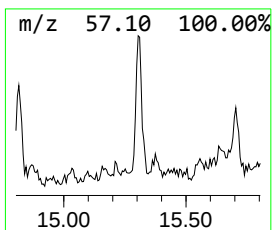
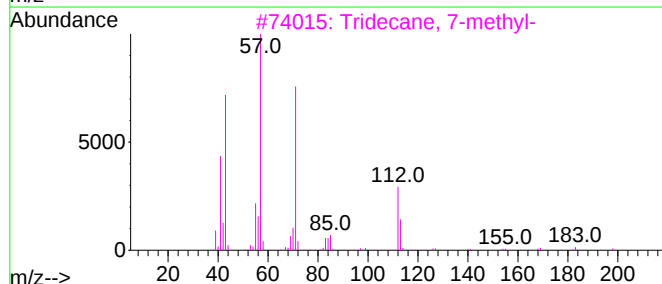
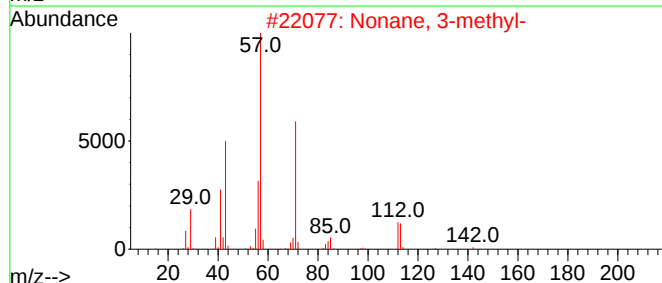
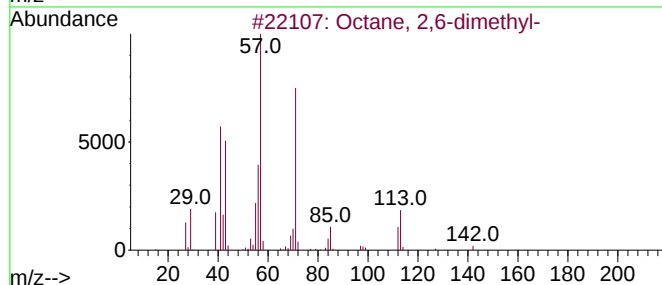
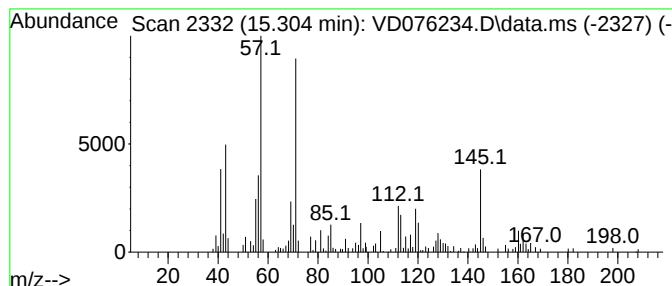
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051523S.M
Quant Title : SW846 8260

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

Peak Number 4 Octane, 2,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.304	77.69 ug/l	192127	1,4-Dichlorobenzene-d4	13.516

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	55
2			Nonane, 3-methyl-	142	C10H22	005911-04-6	53
3			Tridecane, 7-methyl-	198	C14H30	026730-14-3	50
4			Sulfurous acid, 2-ethylhexyl hep...	432	C25H52O3S	1000309-20-0	46
5			Oxalic acid, 2-ethylhexyl octyl ...	314	C18H34O4	1000309-39-1	43



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Misc : 6.10G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TP-32

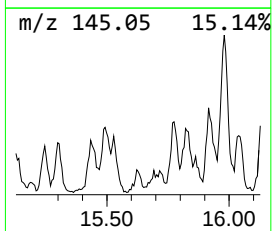
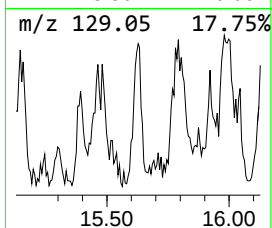
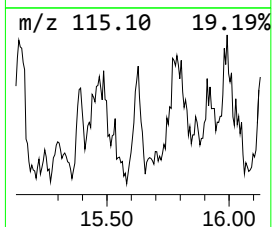
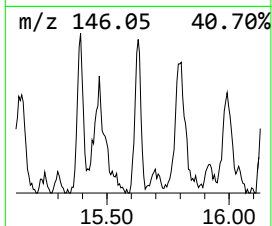
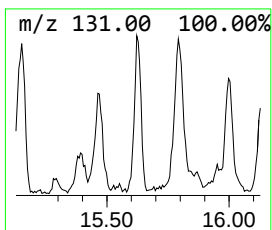
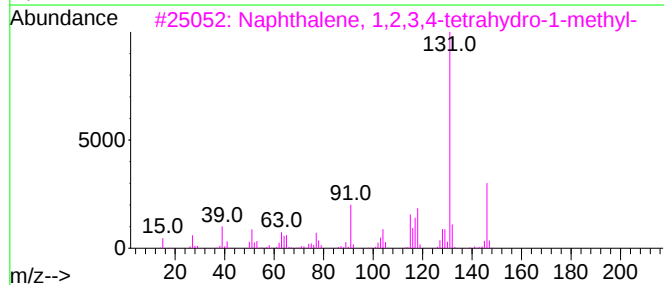
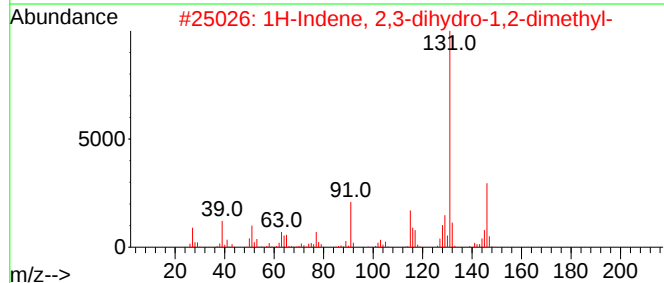
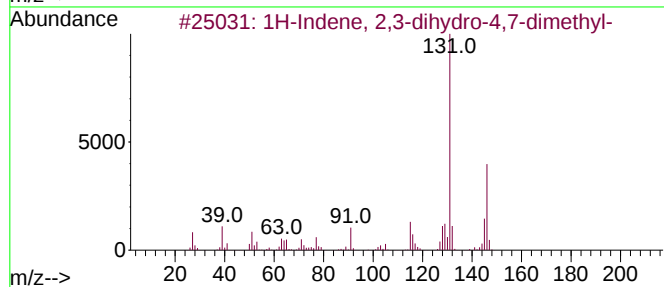
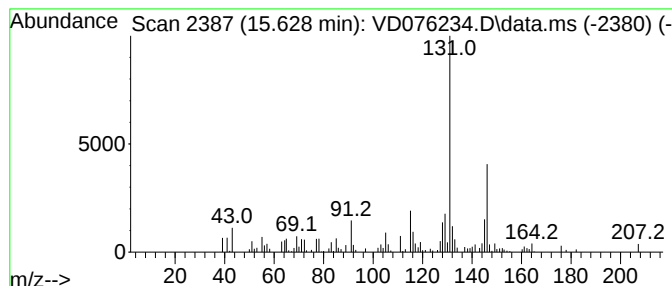
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051523S.M
Quant Title : SW846 8260

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

Peak Number 5 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.628	82.03 ug/l	202858	1,4-Dichlorobenzene-d4	13.516

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	94
2			1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	94
3			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	90
4			Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	90
5			Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	87



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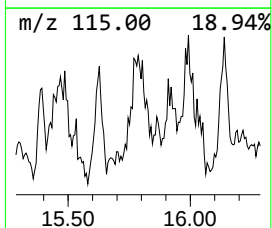
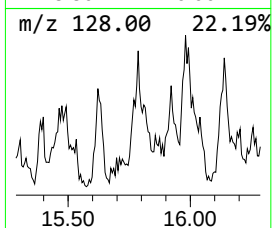
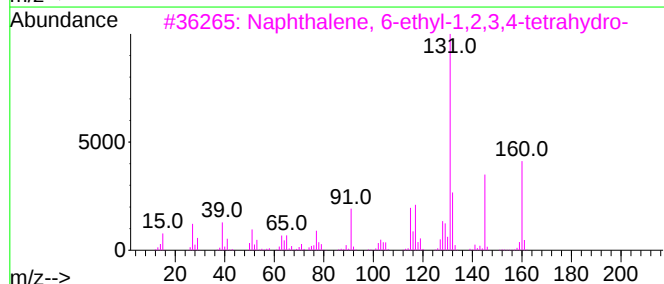
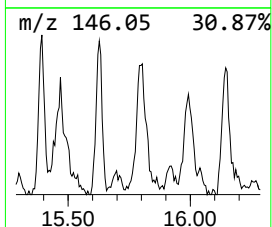
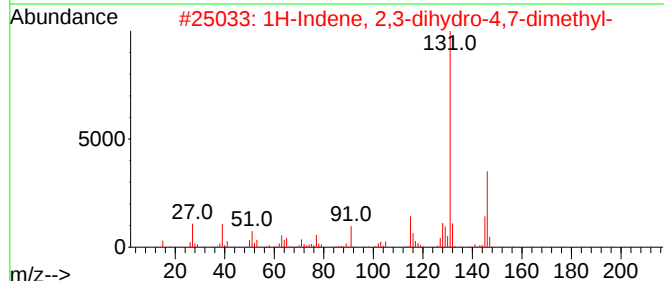
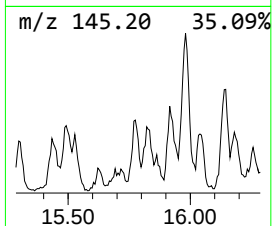
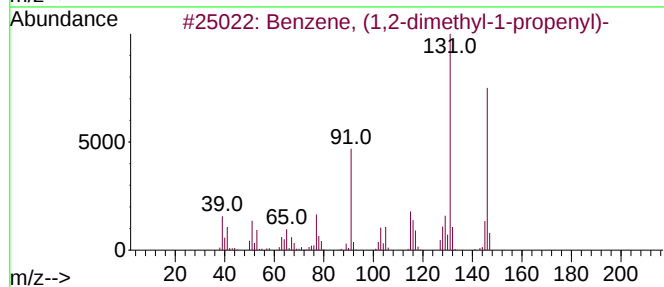
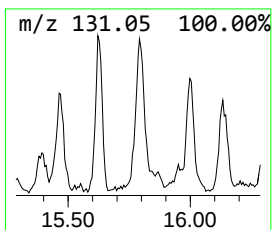
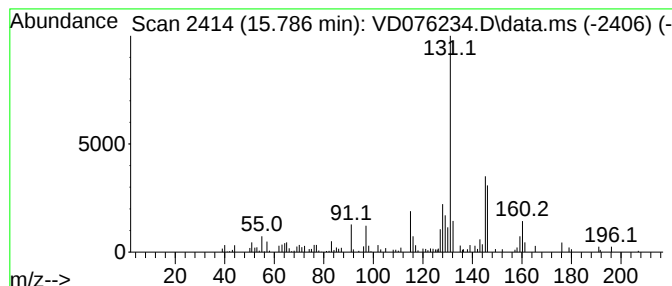
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Quant Title : SW846 8260

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

Peak Number 6 Benzene, (1,2-dimethyl-1-pr... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.786	94.12 ug/l	232756	1,4-Dichlorobenzene-d4	13.516

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	64
2			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	64
3			Naphthalene, 6-ethyl-1,2,3,4-tet...	160	C12H16	022531-20-0	53
4			1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	53
5			1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	52



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052523\
Data File : VD076234.D
Acq On : 25 May 2023 15:40
Operator : KP/SY
Sample : 02892-10
Misc : 6.10G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TP-32

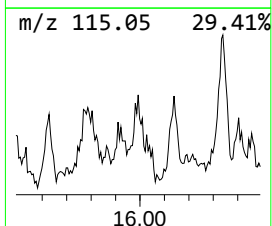
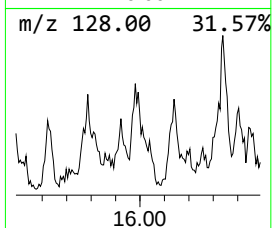
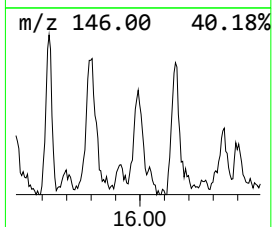
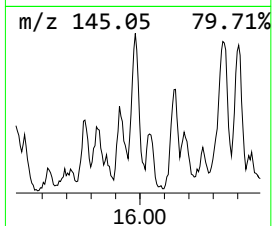
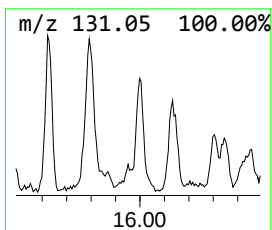
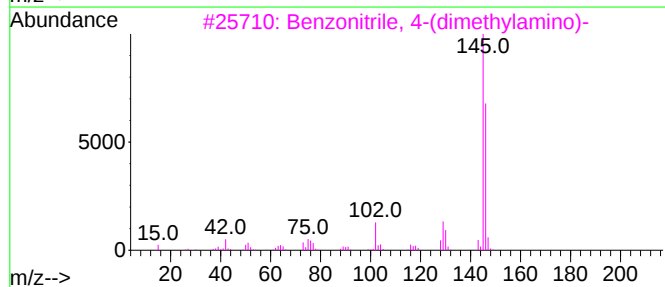
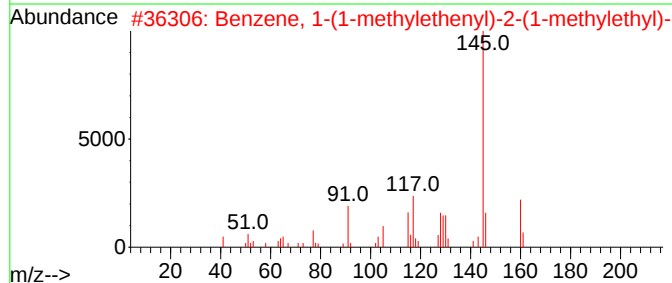
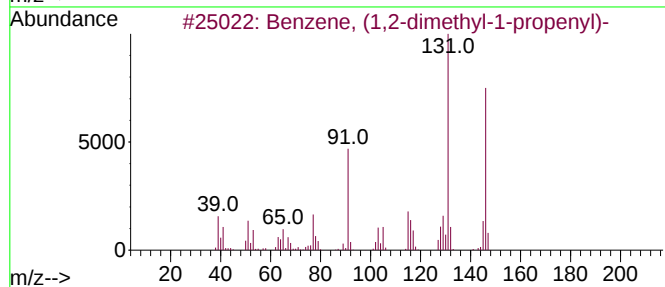
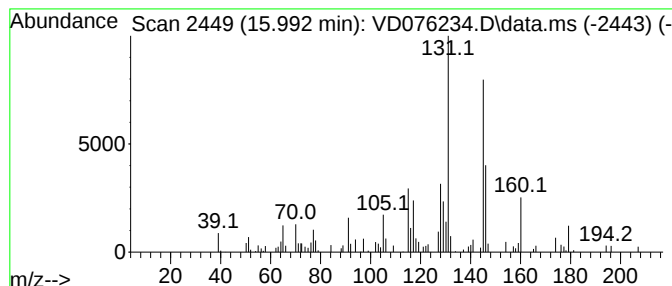
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Quant Title : SW846 8260

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

Peak Number 7 Benzene, 1-(1-methylethenyl)... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.992	49.58 ug/l	122606	1,4-Dichlorobenzene-d4	13.516

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	49
2			Benzene, 1-(1-methylethenyl)-2-(...	160	C12H16	005557-93-7	46
3			Benzonitrile, 4-(dimethylamino)-	146	C9H10N2	001197-19-9	45
4			1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	43
5			Benzene, (1,3-dimethyl-2-butenyl)-	160	C12H16	050704-01-3	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052523\
Data File : VD076234.D
Acq On : 25 May 2023 15:40
Operator : KP/SY
Sample : 02892-10
Misc : 6.10G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TP-32

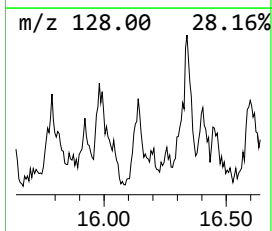
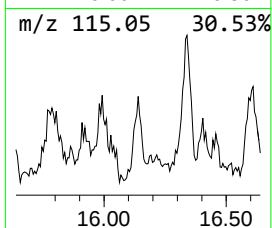
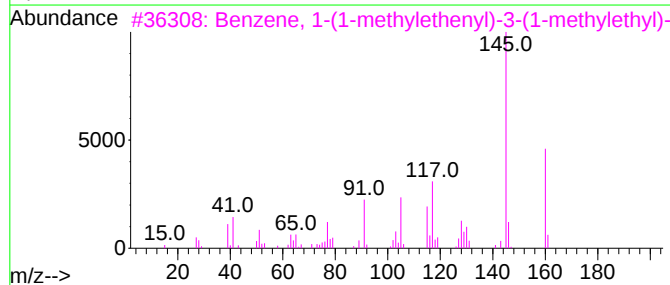
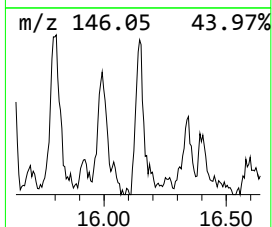
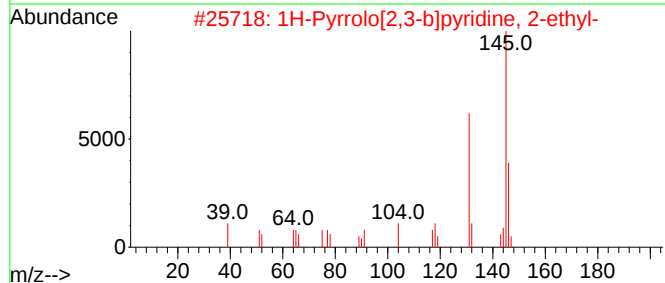
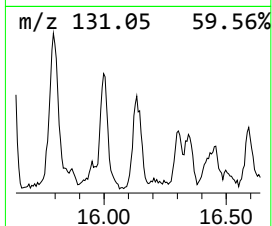
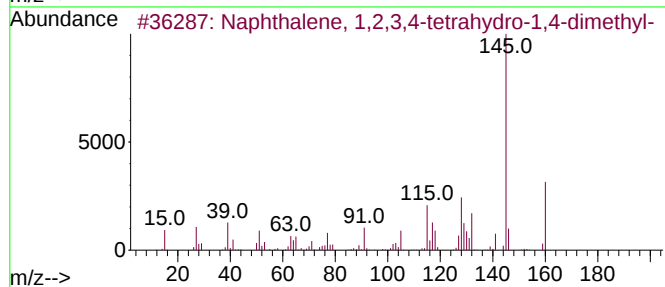
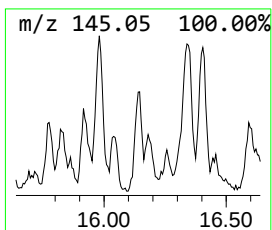
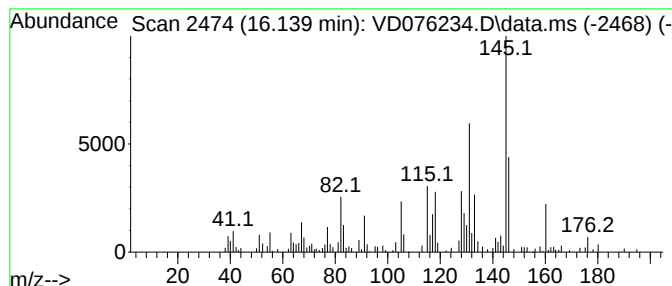
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Quant Title : SW846 8260

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

Peak Number 8 Naphthalene, 1,2,3,4-tetrahydro-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.139	71.56 ug/l	176956	1,4-Dichlorobenzene-d4	13.516

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	60
2			1H-Pyrrolo[2,3-b]pyridine, 2-ethyl-	146	C9H10N2	023612-49-9	53
3			Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	46
4			Benzene, 1-(1-methylethenyl)-2-(...	160	C12H16	005557-93-7	46
5			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052523\
Data File : VD076234.D
Acq On : 25 May 2023 15:40
Operator : KP/SY
Sample : 02892-10
Misc : 6.10G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TP-32

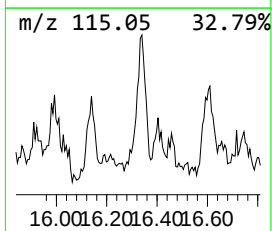
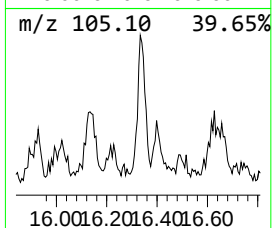
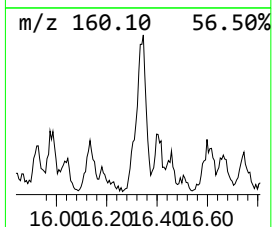
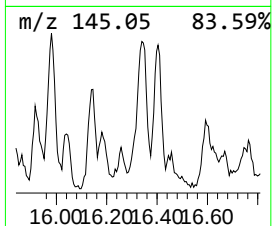
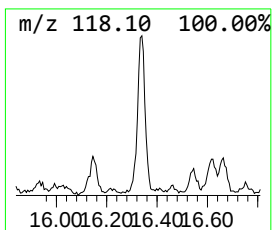
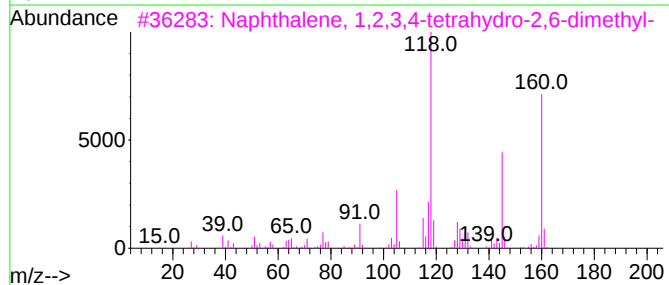
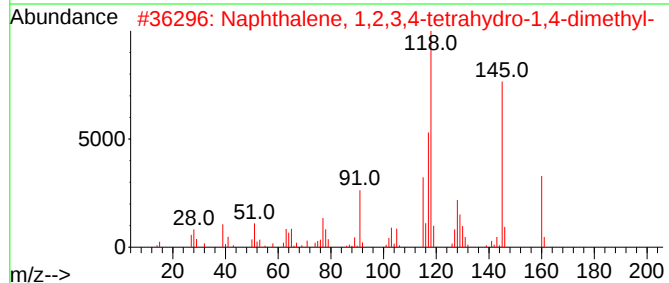
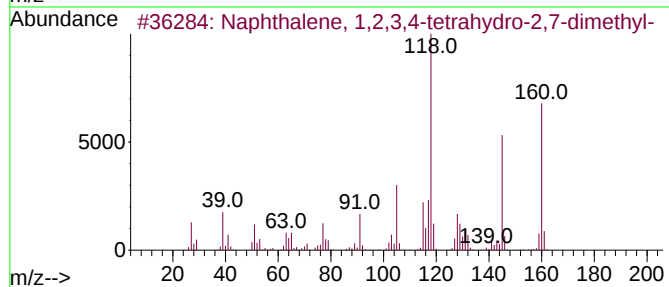
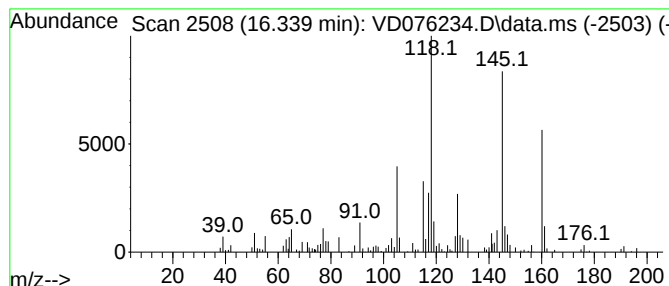
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Quant Title : SW846 8260

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

Peak Number 9 Naphthalene, 1,2,3,4-tetrahydro-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.339	90.01 ug/l	222590	1,4-Dichlorobenzene-d4	13.516

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	91
2			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	86
3			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	007524-63-2	74
4			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	001076-61-5	64
5			2,5-Dimethylbenzyl cyanide	145	C10H11N	016213-85-7	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052523\
Data File : VD076234.D
Acq On : 25 May 2023 15:40
Operator : KP/SY
Sample : 02892-10
Misc : 6.10G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TP-32

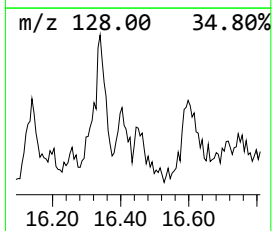
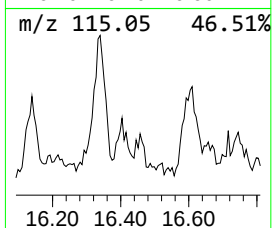
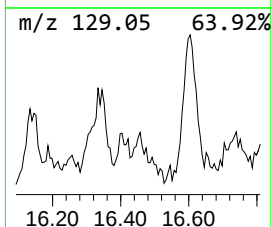
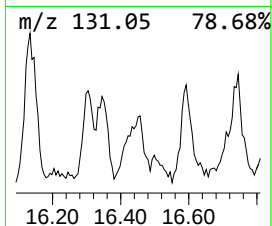
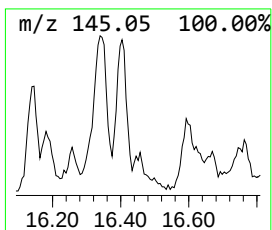
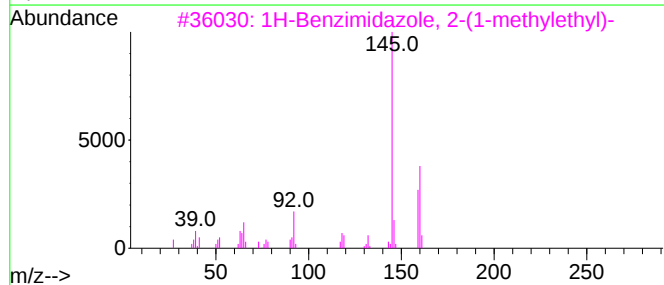
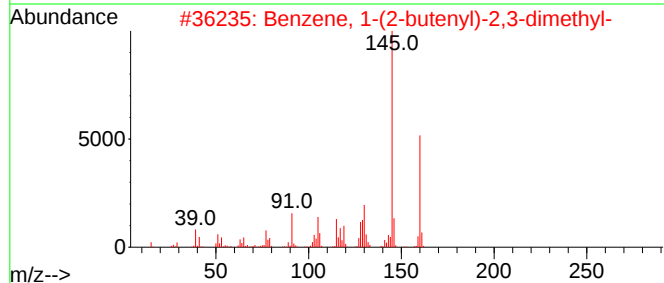
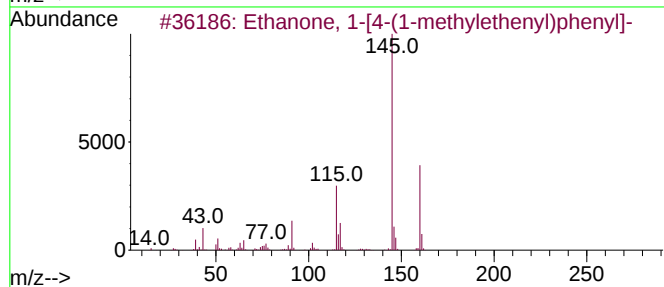
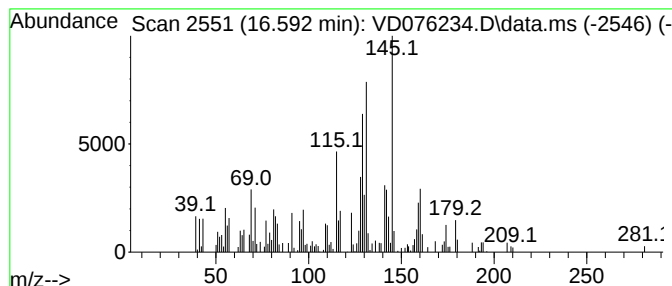
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Quant Title : SW846 8260

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

Peak Number 10 unknown16.592 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.592	86.44 ug/l	213755	1,4-Dichlorobenzene-d4	13.516

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Ethanone, 1-[4-(1-methylethenyl)...	160	C11H12O	005359-04-6	47
2			Benzene, 1-(2-butenyl)-2,3-dimet...	160	C12H16	054340-85-1	43
3			1H-Benzimidazole, 2-(1-methyleth...	160	C10H12N2	005851-43-4	30
4			1H-Inden-1-one, 2,3-dihydro-3,3-...	160	C11H12O	026465-81-6	30
5			Ethanone, 1-(2,3-dihydro-1H-inde...	160	C11H12O	004228-10-8	25



Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052523\
Data File : VD076234.D
Acq On : 25 May 2023 15:40
Operator : KP/SY
Sample : 02892-10
Misc : 6.10G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
TP-32

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051523S.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, 1,3-di...	15.039	83.1	ug/l	205522	4	13.516	123644	50.0
1H-Indene, 2,3-...	15.145	75.9	ug/l	187674	4	13.516	123644	50.0
Octane, 2,6-dim...	15.304	77.7	ug/l	192127	4	13.516	123644	50.0
1H-Indene, 2,3-...	15.628	82.0	ug/l	202858	4	13.516	123644	50.0
Benzene, (1,2-d...	15.786	94.1	ug/l	232756	4	13.516	123644	50.0
Benzene, 1-(1-m...	15.992	49.6	ug/l	122606	4	13.516	123644	50.0
Naphthalene, 1,...	16.139	71.6	ug/l	176956	4	13.516	123644	50.0
Naphthalene, 1,...	16.339	90.0	ug/l	222590	4	13.516	123644	50.0
unknown16.592	16.592	86.4	ug/l	213755	4	13.516	123644	50.0