

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090525\
 Data File : VY023295.D
 Acq On : 05 Sep 2025 12:25
 Operator : SY/MD
 Sample : Q3026-01
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 EO-02-09042025

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\82Y081225S.M
 Title : SW846 8260

Signal : TIC: VY023295.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	464	475	486	rVB3	14425	43763	2.04%	0.241%
2	7.634	958	970	976	rBV2	330232	780458	36.42%	4.295%
3	7.707	976	982	996	rVB	488973	1109295	51.76%	6.105%
4	8.061	1031	1040	1053	rBV	259575	576105	26.88%	3.170%
5	8.616	1122	1131	1145	rBV	801774	1561298	72.86%	8.592%
6	10.103	1368	1375	1394	rBV	1236863	2142992	100.00%	11.793%
7	11.012	1520	1524	1530	rBV5	13147	23507	1.10%	0.129%
8	11.225	1553	1559	1567	rVB3	17837	39363	1.84%	0.217%
9	11.414	1583	1590	1604	rBV	1156680	1864479	87.00%	10.261%
10	11.554	1608	1613	1616	rVV3	15469	27742	1.29%	0.153%
11	11.603	1616	1621	1625	rVV4	18649	40192	1.88%	0.221%
12	11.658	1625	1630	1635	rVV	36027	79367	3.70%	0.437%
13	11.700	1635	1637	1642	rVB2	17836	24765	1.16%	0.136%
14	11.926	1667	1674	1682	rBV6	47497	126315	5.89%	0.695%
15	12.048	1690	1694	1698	rVB	23541	31524	1.47%	0.173%
16	12.127	1702	1707	1709	rVV3	29736	49101	2.29%	0.270%
17	12.158	1709	1712	1718	rVB3	39768	77569	3.62%	0.427%
18	12.292	1729	1734	1746	rVB7	36856	118596	5.53%	0.653%
19	12.402	1746	1752	1759	rBV	865860	1382726	64.52%	7.609%
20	12.493	1759	1767	1771	rBV7	20257	46674	2.18%	0.257%
21	12.566	1775	1779	1786	rVB4	70890	131105	6.12%	0.722%
22	12.645	1786	1792	1796	rBV5	36999	85021	3.97%	0.468%
23	12.731	1798	1806	1811	rBV4	119277	266904	12.45%	1.469%
24	12.780	1811	1814	1819	rVB5	51459	85921	4.01%	0.473%
25	12.871	1825	1829	1832	rBV3	41658	61796	2.88%	0.340%
26	12.962	1841	1844	1851	rVB6	48819	99900	4.66%	0.550%
27	13.030	1851	1855	1857	rBV2	17763	28673	1.34%	0.158%
28	13.090	1862	1865	1870	rBV5	22294	40248	1.88%	0.221%
29	13.170	1872	1878	1881	rVB5	34827	69289	3.23%	0.381%
30	13.237	1881	1889	1893	rBV6	101899	222884	10.40%	1.227%
31	13.347	1900	1907	1917	rBV	1003573	1680808	78.43%	9.250%
32	13.487	1925	1930	1933	rBV4	39081	65953	3.08%	0.363%
33	13.578	1942	1945	1953	rBV2	93512	148624	6.94%	0.818%
34	13.664	1953	1959	1965	rBV3	154163	291901	13.62%	1.606%
35	13.743	1965	1972	1975	rBV2	61823	127692	5.96%	0.703%
36	13.853	1984	1990	1991	rBV4	38698	67951	3.17%	0.374%

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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\82Y081225S.M
 Title : SW846 8260

37	13.889	1992	1996	2004	rVB2	134027	225414	10.52%	1.241%
38	13.999	2008	2014	2018	rBV2	152390	249632	11.65%	1.374%
39	14.054	2018	2023	2030	rBV5	51077	142332	6.64%	0.783%
40	14.127	2030	2035	2039	rBV	72597	116949	5.46%	0.644%
41	14.176	2039	2043	2046	rBV3	72025	109825	5.12%	0.604%
42	14.212	2046	2049	2052	rVV2	31570	41087	1.92%	0.226%
43	14.249	2052	2055	2059	rVB	85257	113125	5.28%	0.623%
44	14.298	2059	2063	2066	rBV2	90507	119610	5.58%	0.658%
45	14.334	2066	2069	2074	rBV2	111809	138409	6.46%	0.762%
46	14.419	2080	2083	2089	rVB3	46015	86105	4.02%	0.474%
47	14.480	2089	2093	2097	rVB5	23663	39935	1.86%	0.220%
48	14.529	2097	2101	2105	rVB	80323	99448	4.64%	0.547%
49	14.584	2105	2110	2118	rBV4	245291	534146	24.93%	2.940%
50	14.651	2118	2121	2126	rVB2	63843	99430	4.64%	0.547%
51	14.749	2133	2137	2141	rVB2	39174	57196	2.67%	0.315%
52	14.858	2150	2155	2158	rBV2	123757	201695	9.41%	1.110%
53	14.962	2167	2172	2179	rVB2	128642	272381	12.71%	1.499%
54	15.102	2191	2195	2197	rBV2	31436	50773	2.37%	0.279%
55	15.194	2206	2210	2214	rBV	75766	124507	5.81%	0.685%
56	15.273	2215	2223	2230	rVV5	77162	303159	14.15%	1.668%
57	15.334	2231	2233	2242	rVB7	44763	74102	3.46%	0.408%
58	15.419	2242	2247	2255	rBV7	34875	98051	4.58%	0.540%
59	15.505	2257	2261	2265	rVB5	23839	34284	1.60%	0.189%
60	15.584	2265	2274	2277	rBV7	50620	143648	6.70%	0.791%
61	15.621	2277	2280	2285	rVB	74746	116963	5.46%	0.644%
62	15.712	2289	2295	2299	rVB5	31969	67774	3.16%	0.373%
63	15.779	2300	2306	2311	rBV4	41912	93996	4.39%	0.517%
64	15.925	2322	2330	2338	rBV2	107804	241804	11.28%	1.331%
65	16.114	2352	2361	2367	rBV4	105544	228323	10.65%	1.257%
66	16.181	2367	2372	2377	rVV2	38534	68774	3.21%	0.378%
67	16.376	2396	2404	2409	rBV8	34247	104887	4.89%	0.577%
68	16.419	2409	2411	2417	rVV4	29288	55710	2.60%	0.307%
69	16.504	2417	2425	2435	rVB7	29388	97108	4.53%	0.534%

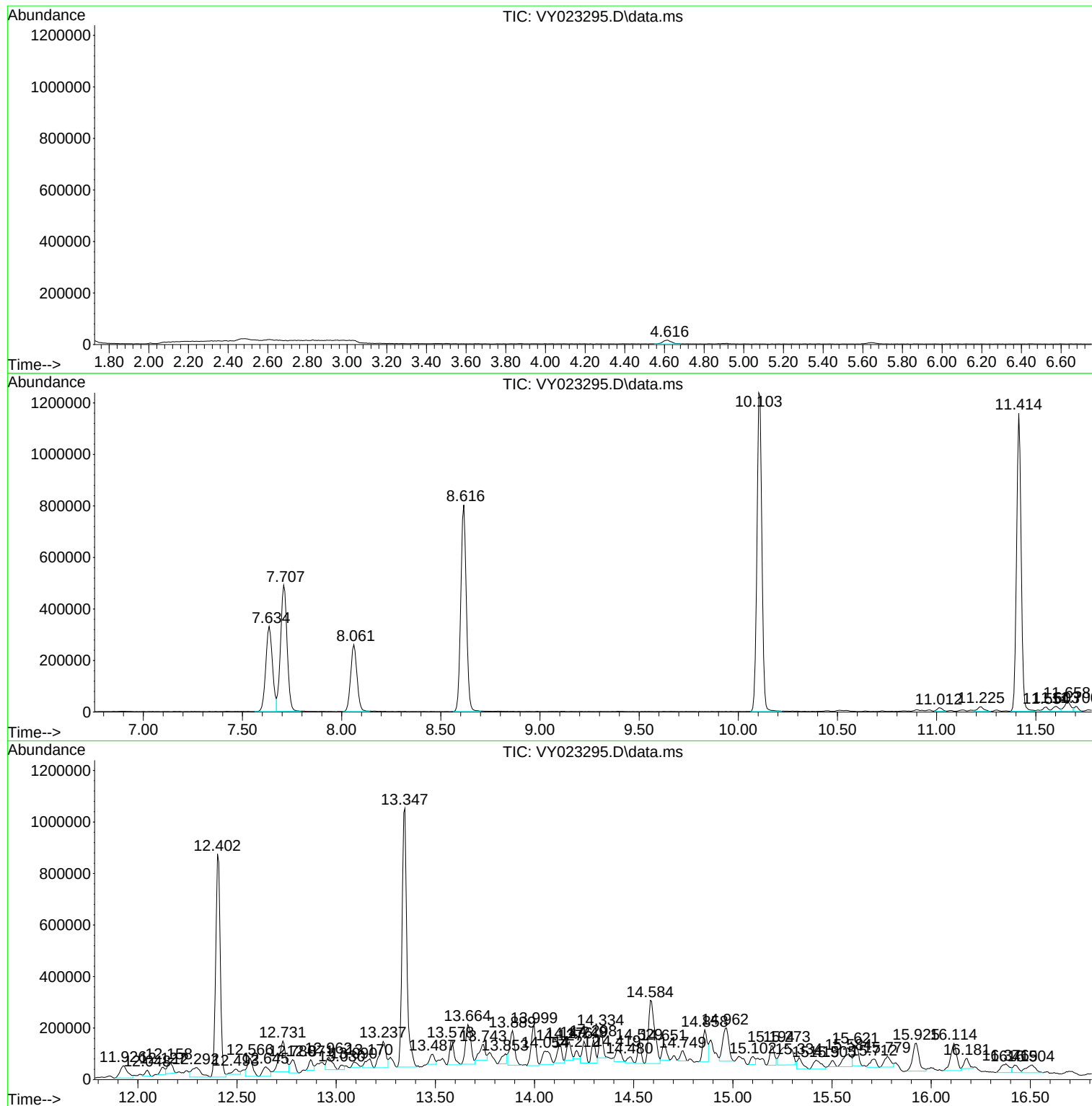
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EO-02-09042025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260

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



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Instrument :
MSVOA_Y
ClientSampleId :
EO-02-09042025

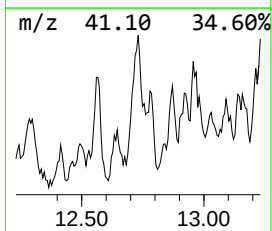
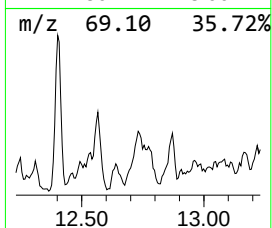
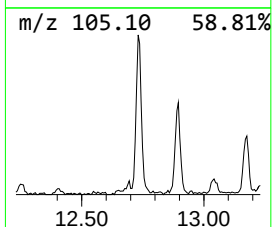
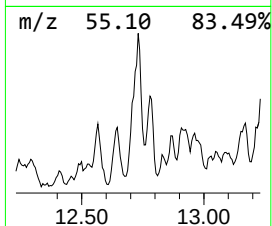
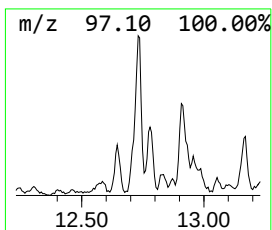
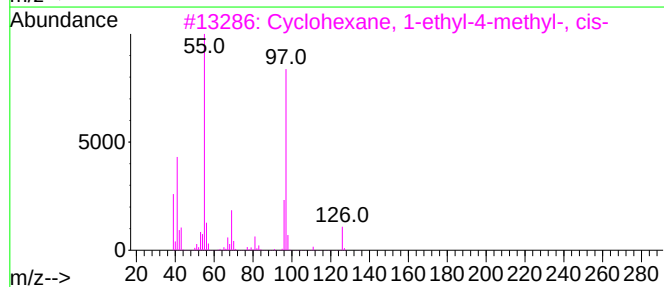
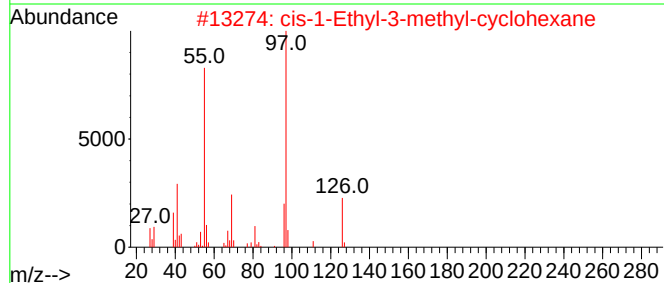
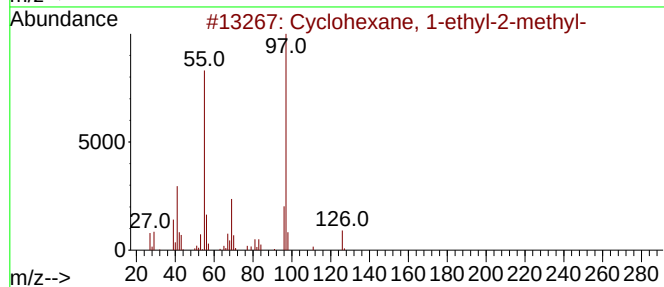
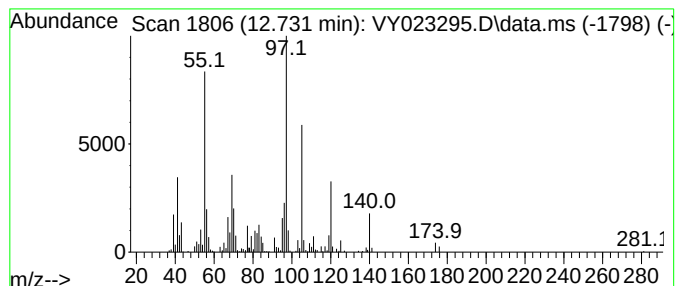
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Quant Title : SW846 8260

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

Peak Number 1 Cyclohexane, 1-ethyl-2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.731	7.94 ug/l	266904	1,4-Dichlorobenzene-d4	13.347

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	53
2			cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	50
3			Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	004926-78-7	50
4			Cycloheptane, bromo-	176	C7H13Br	002404-35-5	43
5			Oxalic acid, di(cyclohexylmethyl...	282	C16H26O4	1000309-68-5	43



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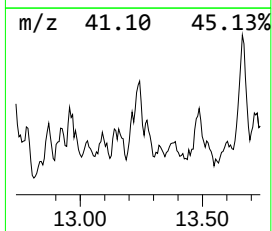
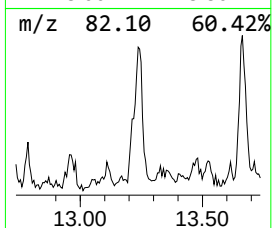
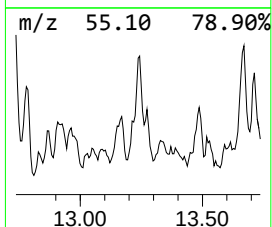
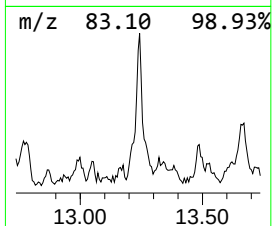
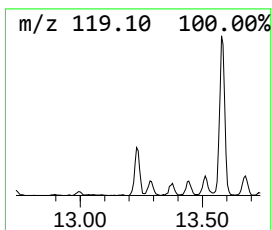
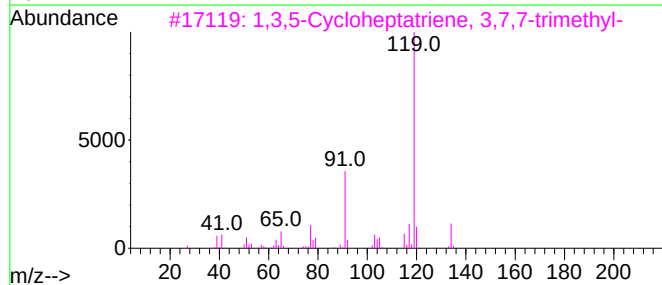
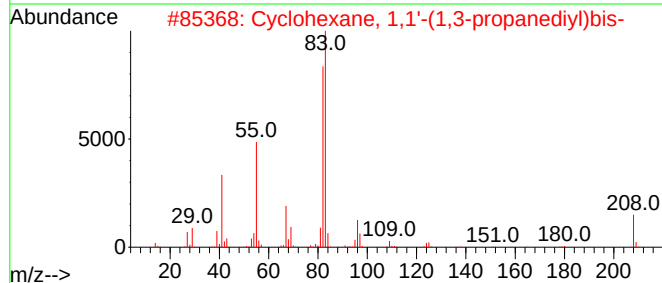
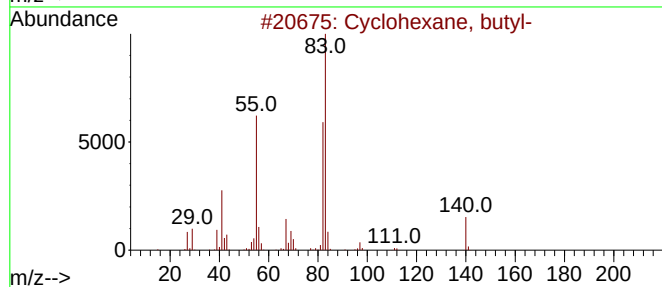
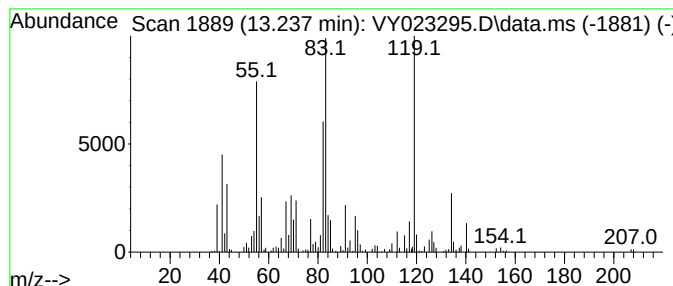
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260

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

Peak Number 2 unknown13.237 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.237	6.63 ug/l	222884	1,4-Dichlorobenzene-d4	13.347

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, butyl-	140	C10H20	001678-93-9	46
2			Cyclohexane, 1,1'-(1,3-propanedi...	208	C15H28	003178-24-3	46
3			1,3,5-Cycloheptatriene, 3,7,7-tr...	134	C10H14	003479-89-8	42
4			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	42
5			o-Cymene	134	C10H14	000527-84-4	42



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ClientSampleId :
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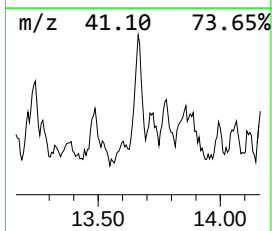
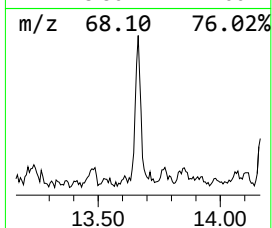
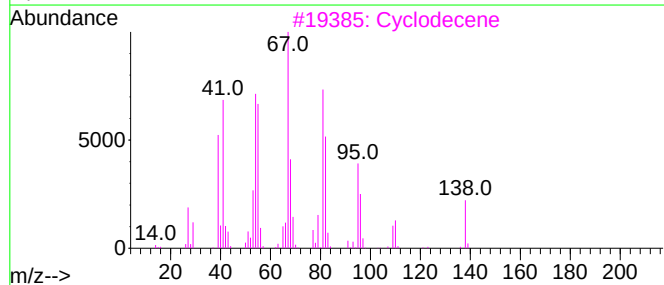
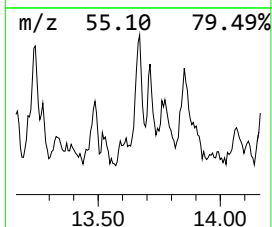
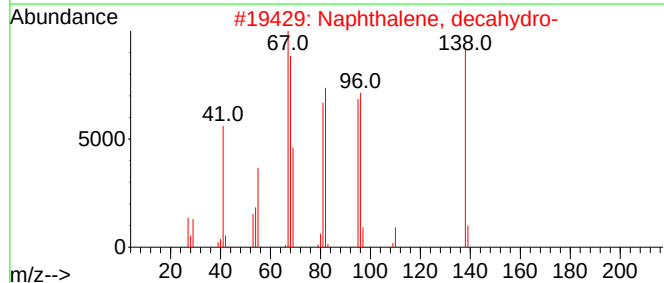
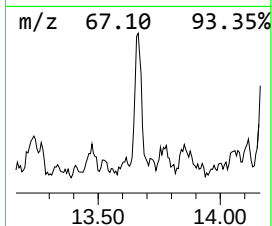
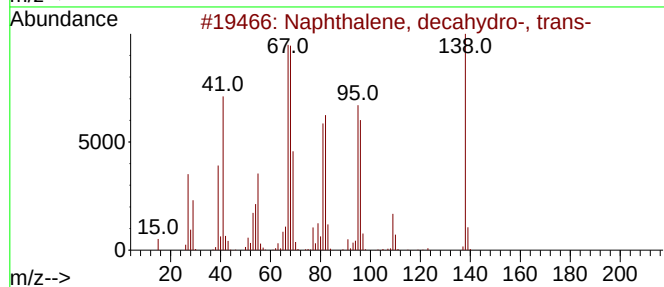
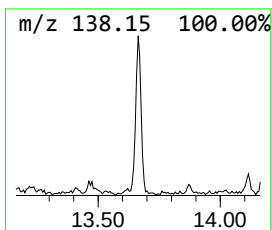
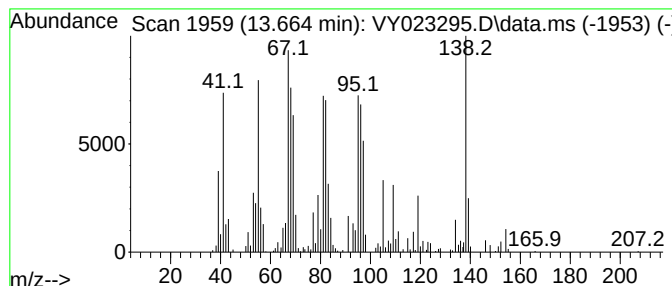
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260

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

Peak Number 3 Naphthalene, decahydro-, tr... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.664	8.68 ug/l	291901	1,4-Dichlorobenzene-d4	13.347

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	94
2			Naphthalene, decahydro-	138	C10H18	000091-17-8	90
3			Cyclodecene	138	C10H18	003618-12-0	76
4			Cyclohexane, 1-methyl-3-(1-methy...	138	C10H18	024399-15-3	68
5			1,1'-Bicyclopentyl	138	C10H18	001636-39-1	68



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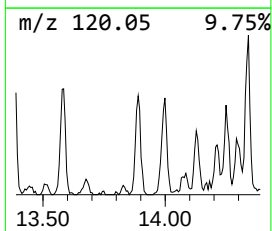
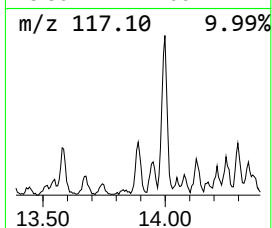
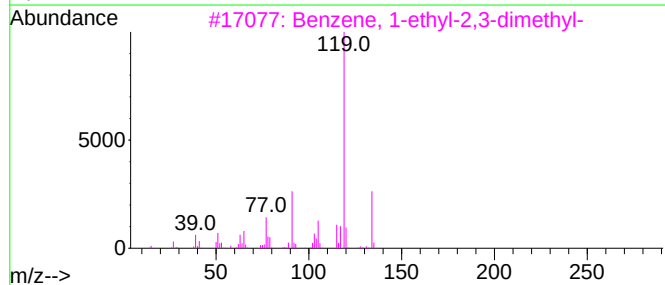
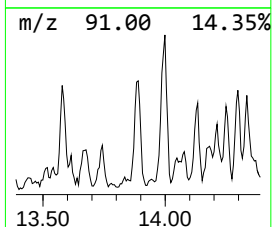
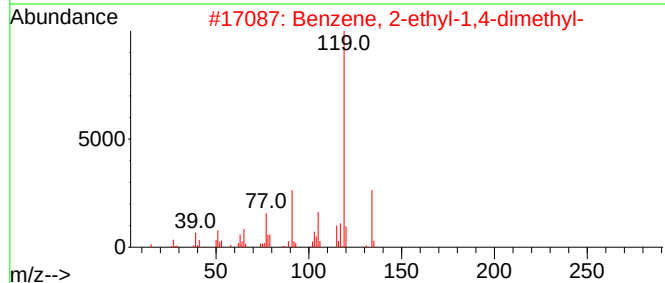
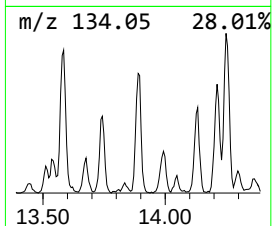
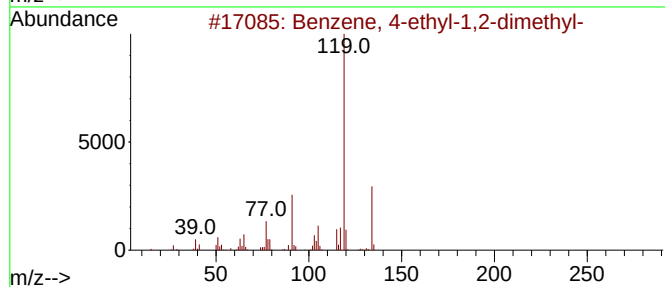
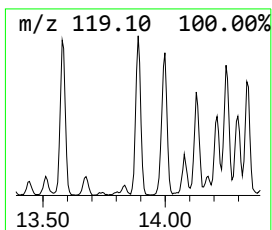
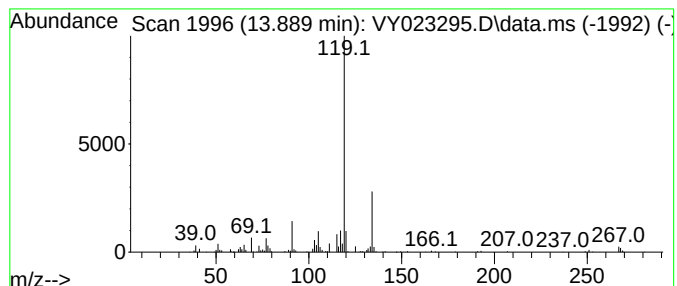
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.889	6.71 ug/l	225414	1,4-Dichlorobenzene-d4	13.347

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
2			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	93
3			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	93
4			1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	90
5			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	90



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090525\
Data File : VY023295.D
Acq On : 05 Sep 2025 12:25
Operator : SY/MD
Sample : Q3026-01
Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EO-02-09042025

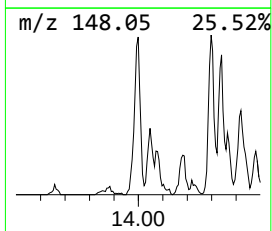
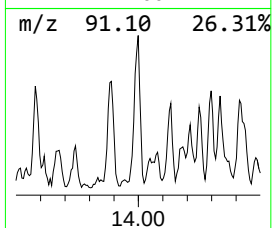
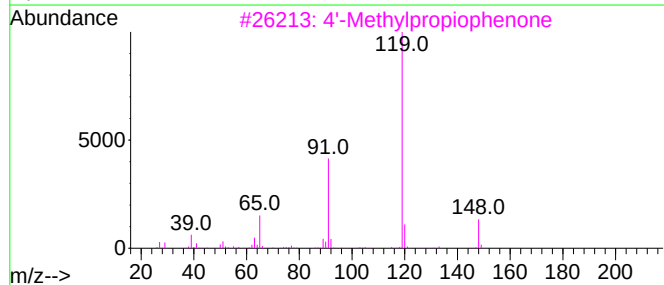
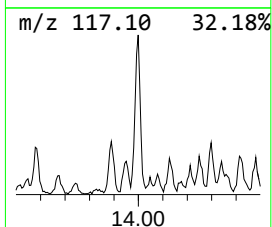
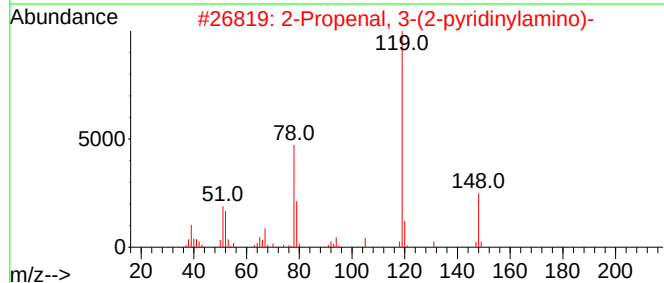
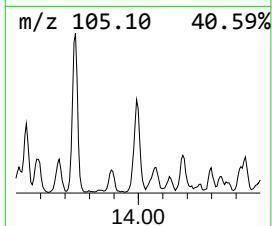
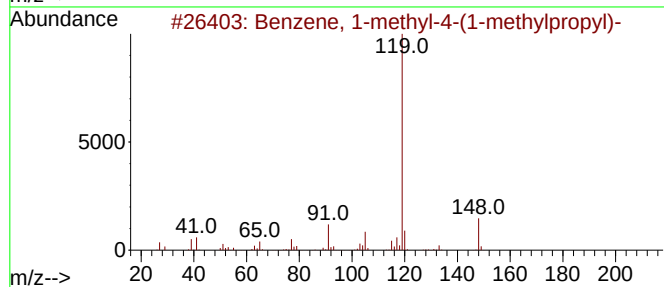
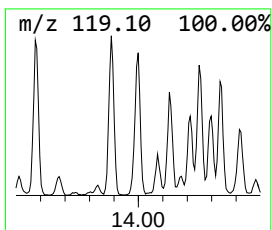
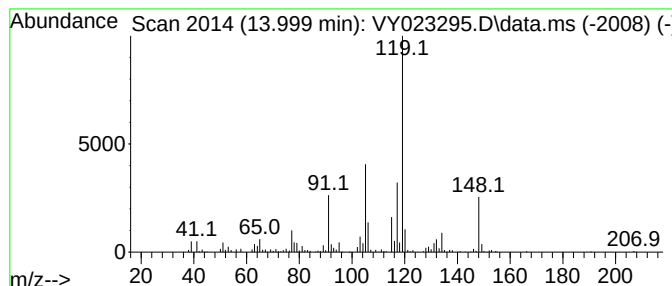
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Quant Title : SW846 8260

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

Peak Number 5 Benzene, 1-methyl-4-(1-meth... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.999	7.43 ug/l	249632	1,4-Dichlorobenzene-d4	13.347

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	68
2			2-Propenal, 3-(2-pyridinylamino)-	148	C8H8N2O	068970-82-1	64
3			4'-Methylpropiophenone	148	C10H12O	005337-93-9	62
4			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	60
5			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	60



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090525\
Data File : VY023295.D
Acq On : 05 Sep 2025 12:25
Operator : SY/MD
Sample : Q3026-01
Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EO-02-09042025

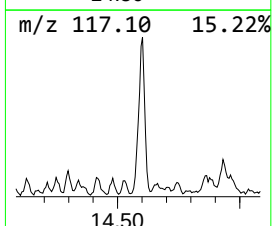
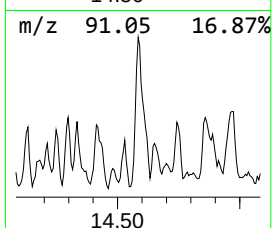
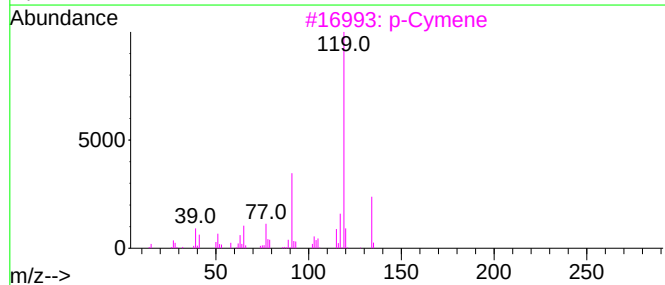
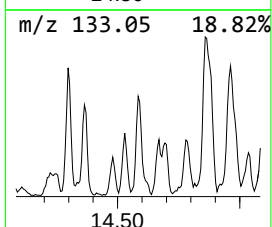
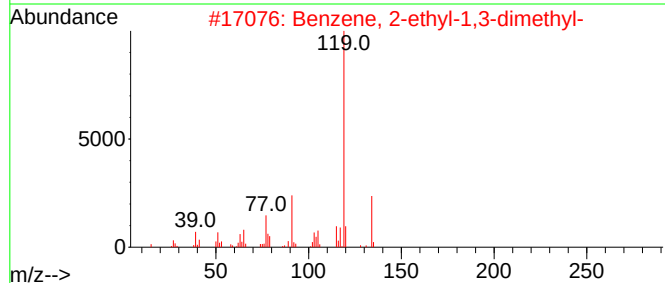
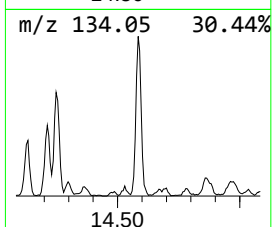
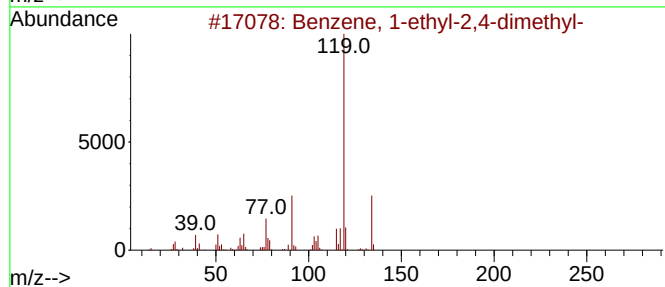
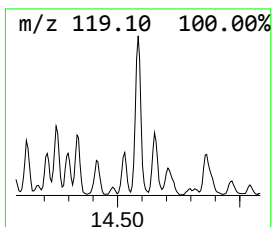
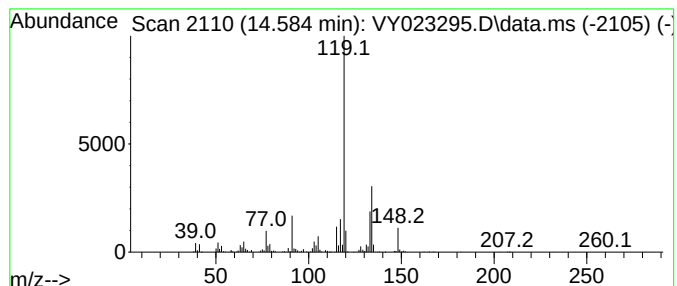
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Quant Title : SW846 8260

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

Peak Number 6 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.584	15.89 ug/l	534146	1,4-Dichlorobenzene-d4	13.347

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
2			Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	93
3			p-Cymene	134	C10H14	000099-87-6	90
4			o-Cymene	134	C10H14	000527-84-4	87
5			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090525\
Data File : VY023295.D
Acq On : 05 Sep 2025 12:25
Operator : SY/MD
Sample : Q3026-01
Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EO-02-09042025

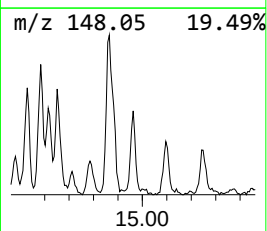
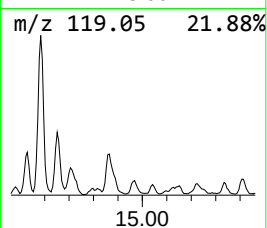
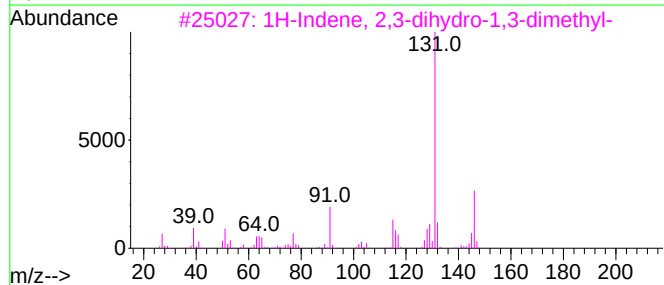
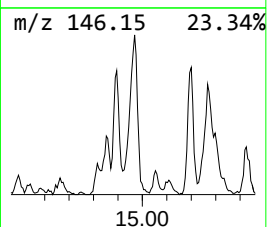
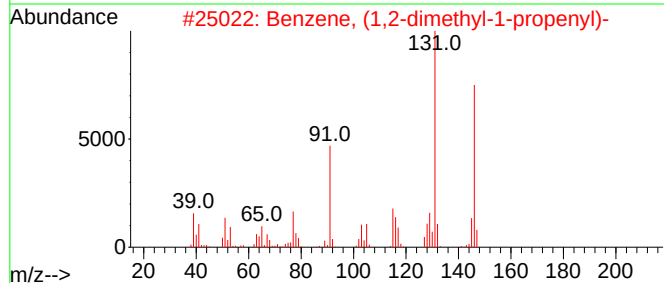
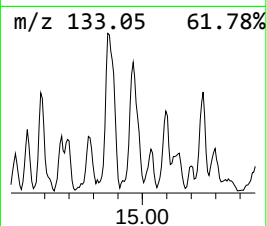
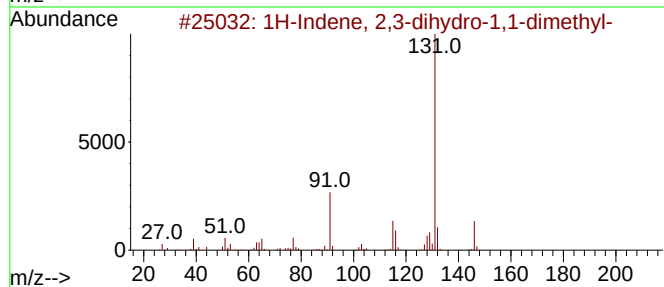
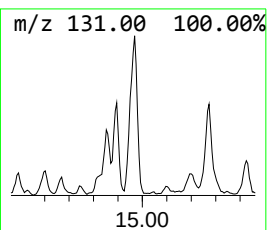
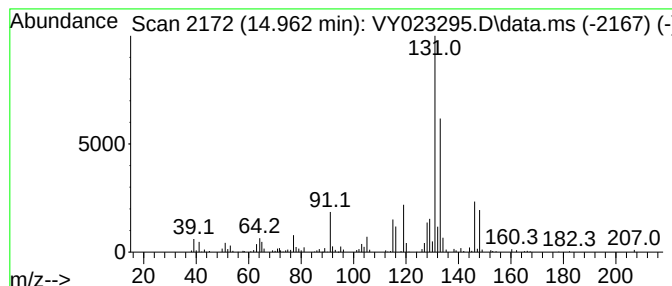
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Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.962	8.10 ug/l	272381	1,4-Dichlorobenzene-d4	13.347

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-1,1-dimet...	146	C11H14	004912-92-9	60
2			Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	60
3			1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	60
4			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	60
5			1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	60



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090525\
Data File : VY023295.D
Acq On : 05 Sep 2025 12:25
Operator : SY/MD
Sample : Q3026-01
Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EO-02-09042025

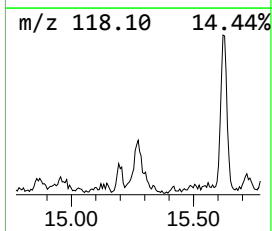
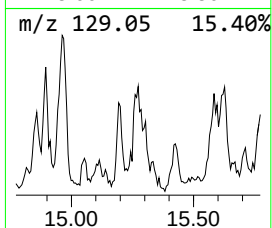
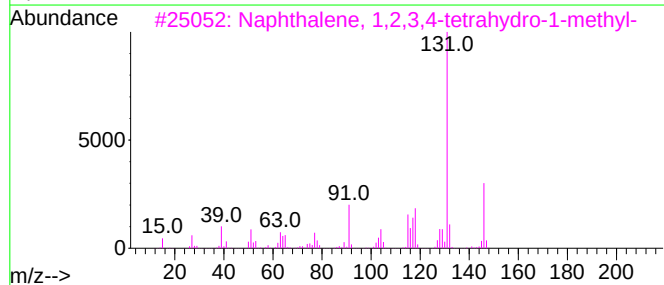
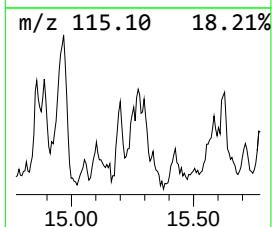
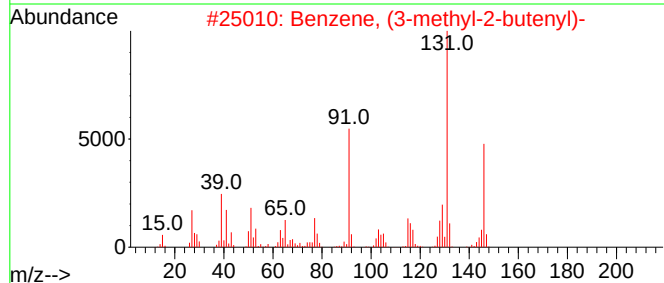
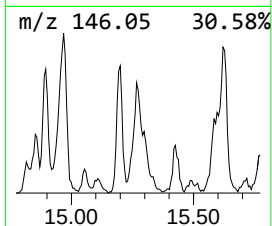
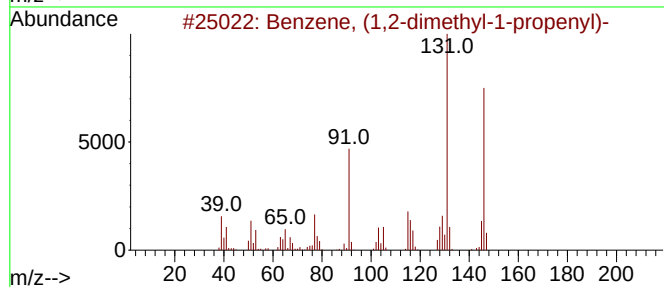
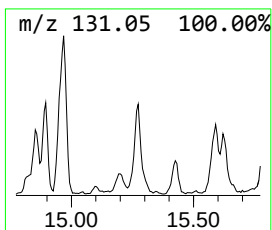
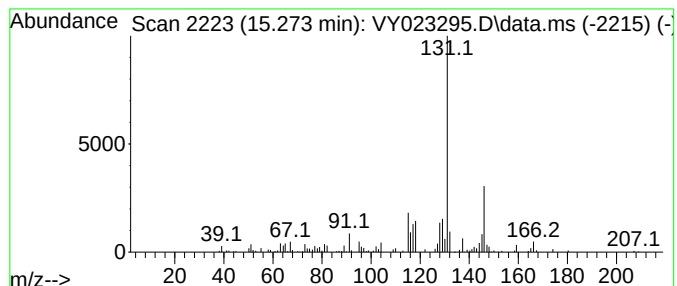
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Quant Title : SW846 8260

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

Peak Number 8 Benzene, (1,2-dimethyl-1-pr... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.273	9.02 ug/l	303159	1,4-Dichlorobenzene-d4	13.347

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	93
2			Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	93
3			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	90
4			1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	87
5			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090525\
Data File : VY023295.D
Acq On : 05 Sep 2025 12:25
Operator : SY/MD
Sample : Q3026-01
Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EO-02-09042025

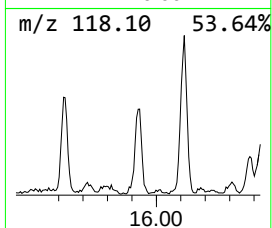
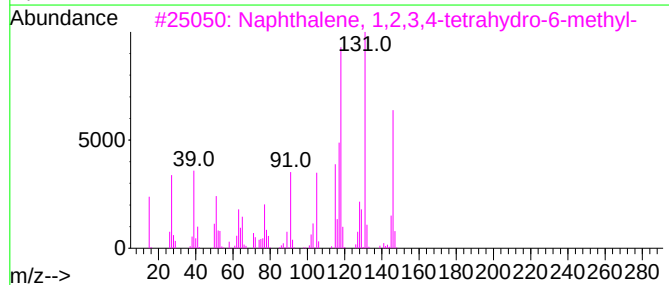
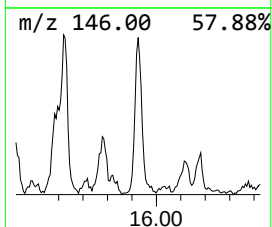
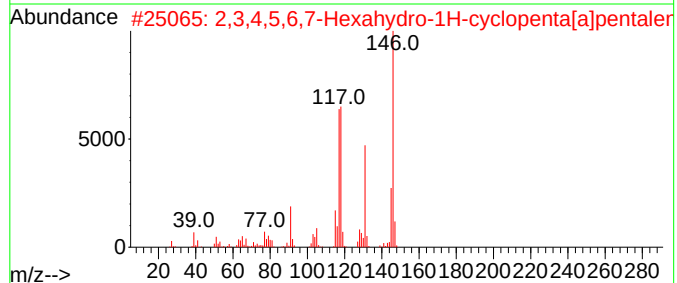
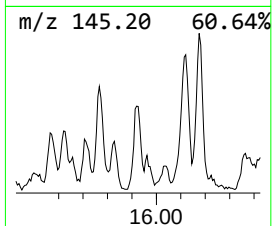
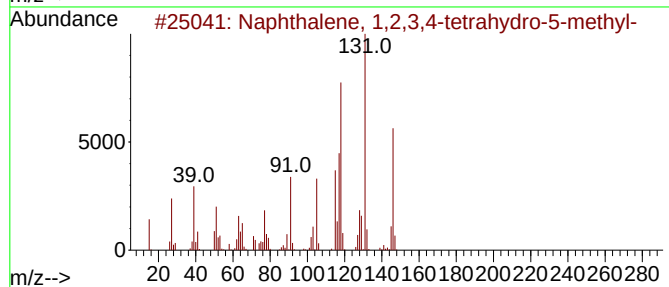
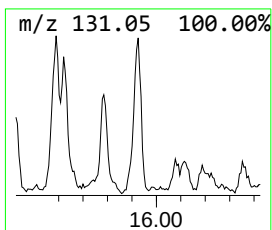
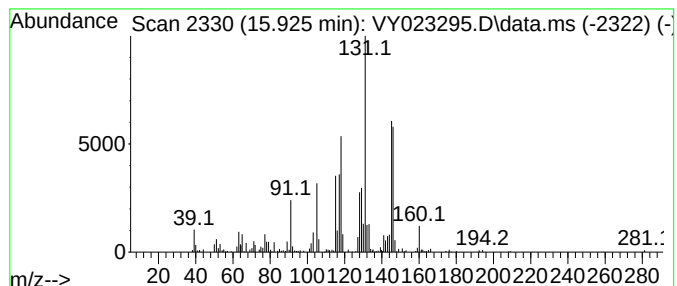
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Quant Title : SW846 8260

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

Peak Number 9 Naphthalene, 1,2,3,4-tetrahydro-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.925	7.19 ug/l	241804	1,4-Dichlorobenzene-d4	13.347

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	89
2			2,3,4,5,6,7-Hexahydro-1H-cyclope...	146	C11H14	1010189-31-0	76
3			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	70
4			Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	49
5			Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	49



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090525\
Data File : VY023295.D
Acq On : 05 Sep 2025 12:25
Operator : SY/MD
Sample : Q3026-01
Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EO-02-09042025

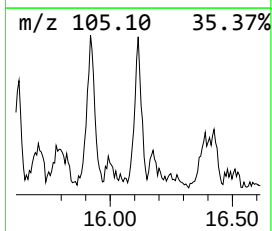
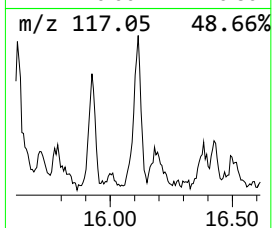
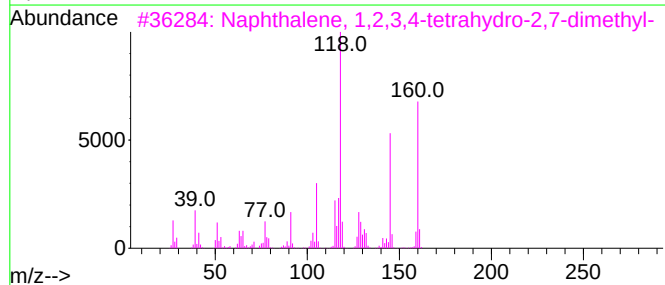
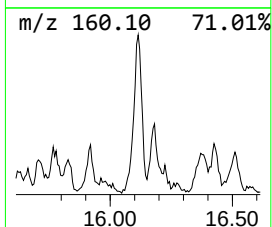
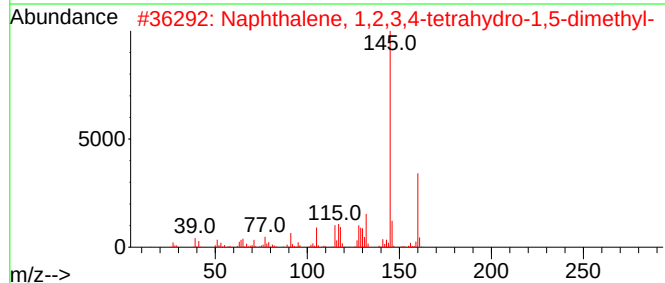
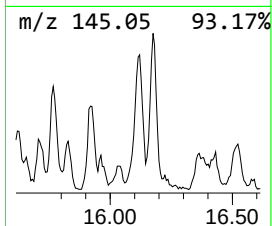
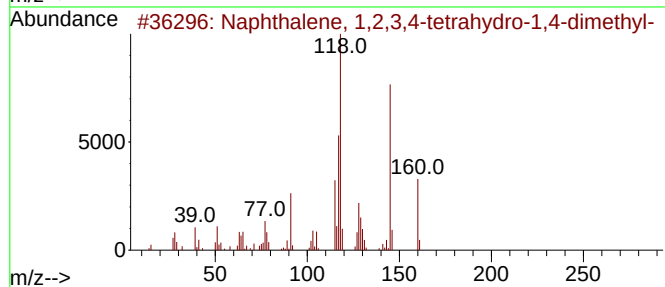
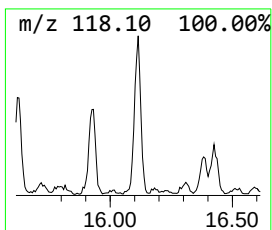
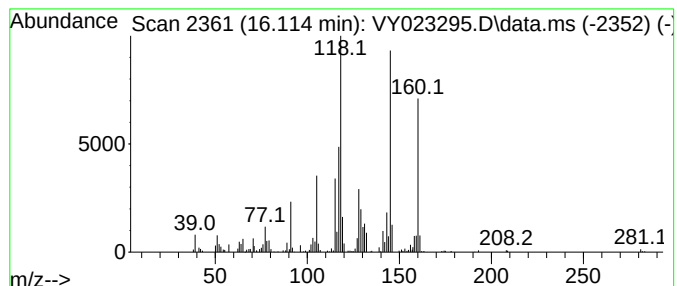
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Quant Title : SW846 8260

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

Peak Number 10 Naphthalene, 1,2,3,4-tetrahydro-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.114	6.79 ug/l	228323	1,4-Dichlorobenzene-d4	13.347

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	004175-54-6	93
2			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-91-0	72
3			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	013065-07-1	70
4			Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	007524-63-2	64
5			Benzene, 1-(1-methylethenyl)-3-(...	160	C12H16	001129-29-9	60



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090525\
Data File : VY023295.D
Acq On : 05 Sep 2025 12:25
Operator : SY/MD
Sample : Q3026-01
Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
EO-02-09042025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.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
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unknown13.237	13.237	6.6	ug/l	222884	4	13.347	1680810	50.0
Naphthalene, de...	13.664	8.7	ug/l	291901	4	13.347	1680810	50.0
Benzene, 4-ethy...	13.889	6.7	ug/l	225414	4	13.347	1680810	50.0
Benzene, 1-meth...	13.999	7.4	ug/l	249632	4	13.347	1680810	50.0
Benzene, 1-ethy...	14.584	15.9	ug/l	534146	4	13.347	1680810	50.0
1H-Indene, 2,3-...	14.962	8.1	ug/l	272381	4	13.347	1680810	50.0
Benzene, (1,2-d...	15.273	9.0	ug/l	303159	4	13.347	1680810	50.0
Naphthalene, 1,...	15.925	7.2	ug/l	241804	4	13.347	1680810	50.0
Naphthalene, 1,...	16.114	6.8	ug/l	228323	4	13.347	1680810	50.0