

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
 Data File : VY023840.D
 Acq On : 01 Dec 2025 13:59
 Operator : SY/MD
 Sample : Q3741-05
 Misc : 4.78g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B50-SP11-112525

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\82Y112625S.M

Title : SW846 8260

Signal : TIC: VY023840.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.812	10	15	21	rVB4	8164	12712	1.68%	0.152%
2	2.458	117	121	128	rBV5	5169	9309	1.23%	0.111%
3	3.025	210	214	221	rVB2	6322	14401	1.90%	0.172%
4	3.873	345	353	362	rVB4	5241	16519	2.18%	0.197%
5	4.616	467	475	477	rBV4	5399	12038	1.59%	0.144%
6	7.640	961	971	976	rBV2	61456	148951	19.64%	1.778%
7	7.713	976	983	994	rVB	192094	450345	59.39%	5.374%
8	7.927	1010	1018	1024	rBV4	6347	15253	2.01%	0.182%
9	8.061	1031	1040	1052	rBV	96482	223972	29.54%	2.673%
10	8.469	1099	1107	1112	rBV8	3698	7932	1.05%	0.095%
11	8.616	1122	1131	1147	rBV	282336	563234	74.28%	6.721%
12	9.109	1201	1212	1218	rBV4	20601	51112	6.74%	0.610%
13	9.170	1218	1222	1231	rVB6	5281	10185	1.34%	0.122%
14	9.390	1250	1258	1266	rVB9	4265	9898	1.31%	0.118%
15	9.536	1277	1282	1290	rBV5	4335	9341	1.23%	0.111%
16	9.689	1301	1307	1312	rBV7	5526	12499	1.65%	0.149%
17	9.750	1312	1317	1328	rVB5	14276	35772	4.72%	0.427%
18	9.890	1330	1340	1350	rBV2	16441	40139	5.29%	0.479%
19	10.109	1368	1376	1383	rVV	440004	758246	100.00%	9.049%
20	10.170	1383	1386	1392	rVV	18896	33392	4.40%	0.398%
21	10.231	1392	1396	1399	rVV6	5050	9550	1.26%	0.114%
22	10.298	1400	1407	1416	rVB7	11483	27333	3.60%	0.326%
23	10.512	1438	1442	1443	rVV3	6226	8499	1.12%	0.101%
24	10.542	1445	1447	1456	rVV6	8325	17861	2.36%	0.213%
25	10.640	1458	1463	1471	rVB4	10589	17729	2.34%	0.212%
26	10.737	1471	1479	1483	rBV5	4926	10083	1.33%	0.120%
27	10.829	1490	1494	1501	rBV3	5849	10980	1.45%	0.131%
28	11.018	1521	1525	1530	rVB4	6313	9234	1.22%	0.110%
29	11.127	1540	1543	1547	rBV5	4957	8101	1.07%	0.097%
30	11.207	1547	1556	1567	rVB4	21039	51744	6.82%	0.617%
31	11.310	1567	1573	1580	rBV3	16724	27535	3.63%	0.329%
32	11.414	1583	1590	1600	rBV	323811	558542	73.66%	6.665%
33	11.518	1602	1607	1616	rVV	23460	49526	6.53%	0.591%
34	11.627	1617	1625	1635	rVV	82879	185018	24.40%	2.208%
35	11.707	1635	1638	1644	rVB5	5838	8770	1.16%	0.105%
36	11.957	1667	1679	1687	rBV	60086	128201	16.91%	1.530%

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Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
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37	12.048	1691	1694	1698	rVB2	9104	13336	1.76%	0.159%
38	12.127	1703	1707	1710	rBV5	9187	14075	1.86%	0.168%
39	12.170	1710	1714	1718	rVB6	5864	9380	1.24%	0.112%
40	12.249	1724	1727	1731	rBV4	7186	13153	1.73%	0.157%
41	12.304	1733	1736	1739	rVV5	5630	10820	1.43%	0.129%
42	12.341	1739	1742	1744	rVV2	10395	13549	1.79%	0.162%
43	12.414	1747	1754	1763	rVB2	313888	615850	81.22%	7.349%
44	12.597	1774	1784	1788	rVB	24202	52379	6.91%	0.625%
45	12.658	1788	1794	1798	rBV	120548	196498	25.91%	2.345%
46	12.688	1798	1799	1802	rVV2	35472	41372	5.46%	0.494%
47	12.737	1802	1807	1814	rVB	174337	280448	36.99%	3.347%
48	12.895	1821	1833	1840	rBV	67819	132809	17.52%	1.585%
49	12.962	1840	1844	1851	rVB3	26111	37275	4.92%	0.445%
50	13.042	1851	1857	1863	rBV	318160	476283	62.81%	5.684%
51	13.090	1863	1865	1870	rVB4	8514	10952	1.44%	0.131%
52	13.151	1871	1875	1876	rBV2	10855	12849	1.69%	0.153%
53	13.237	1882	1889	1893	rBV2	30245	51804	6.83%	0.618%
54	13.292	1893	1898	1901	rVV5	13854	26744	3.53%	0.319%
55	13.346	1901	1907	1910	rVV	237318	394233	51.99%	4.705%
56	13.377	1910	1912	1917	rVV	126225	154681	20.40%	1.846%
57	13.517	1931	1935	1936	rBV2	21269	27462	3.62%	0.328%
58	13.542	1936	1939	1942	rVV	83215	116361	15.35%	1.389%
59	13.584	1942	1946	1955	rVB2	192703	312025	41.15%	3.724%
60	13.676	1956	1961	1965	rBV4	31947	48777	6.43%	0.582%
61	13.743	1968	1972	1977	rVB	34661	51959	6.85%	0.620%
62	13.804	1977	1982	1985	rBV	81864	128986	17.01%	1.539%
63	13.834	1985	1987	1991	rVB	69966	82105	10.83%	0.980%
64	13.889	1991	1996	2002	rVB	123097	181196	23.90%	2.162%
65	13.950	2002	2006	2008	rBV4	9019	11354	1.50%	0.135%
66	13.999	2008	2014	2018	rVB	54571	83128	10.96%	0.992%
67	14.048	2018	2022	2031	rVB5	14802	33233	4.38%	0.397%
68	14.133	2031	2036	2040	rBV	39503	59853	7.89%	0.714%
69	14.212	2040	2049	2052	rBV	75841	133511	17.61%	1.593%
70	14.255	2052	2056	2060	rVB	150657	203067	26.78%	2.423%
71	14.298	2060	2063	2067	rBV	54636	79468	10.48%	0.948%
72	14.340	2067	2070	2078	rVB3	52732	71824	9.47%	0.857%
73	14.438	2082	2086	2089	rVB4	16057	21266	2.80%	0.254%
74	14.480	2089	2093	2098	rBV3	26274	39431	5.20%	0.471%
75	14.529	2098	2101	2105	rVB3	40609	55051	7.26%	0.657%
76	14.590	2105	2111	2118	rBV4	77999	170728	22.52%	2.037%

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77	14.657	2118	2122	2128	rVB	19679	28352	3.74%	0.338%
78	14.712	2128	2131	2134	rVB4	7453	9970	1.31%	0.119%
79	14.785	2138	2143	2147	rBV2	13123	21690	2.86%	0.259%
80	14.865	2151	2156	2158	rBV	47129	79053	10.43%	0.943%
81	14.962	2167	2172	2181	rVB6	34909	84469	11.14%	1.008%
82	15.102	2191	2195	2197	rBV3	6519	8549	1.13%	0.102%
83	15.145	2197	2202	2207	rVB	23058	42275	5.58%	0.504%
84	15.249	2214	2219	2223	rBV5	10650	17448	2.30%	0.208%
85	15.297	2224	2227	2232	rVV7	6370	11150	1.47%	0.133%
86	15.425	2243	2248	2254	rBV5	9034	16988	2.24%	0.203%
87	15.712	2289	2295	2300	rVB7	4946	9628	1.27%	0.115%
88	16.181	2366	2372	2377	rBV3	4924	8464	1.12%	0.101%
89	16.370	2397	2403	2409	rVB5	4460	8370	1.10%	0.100%

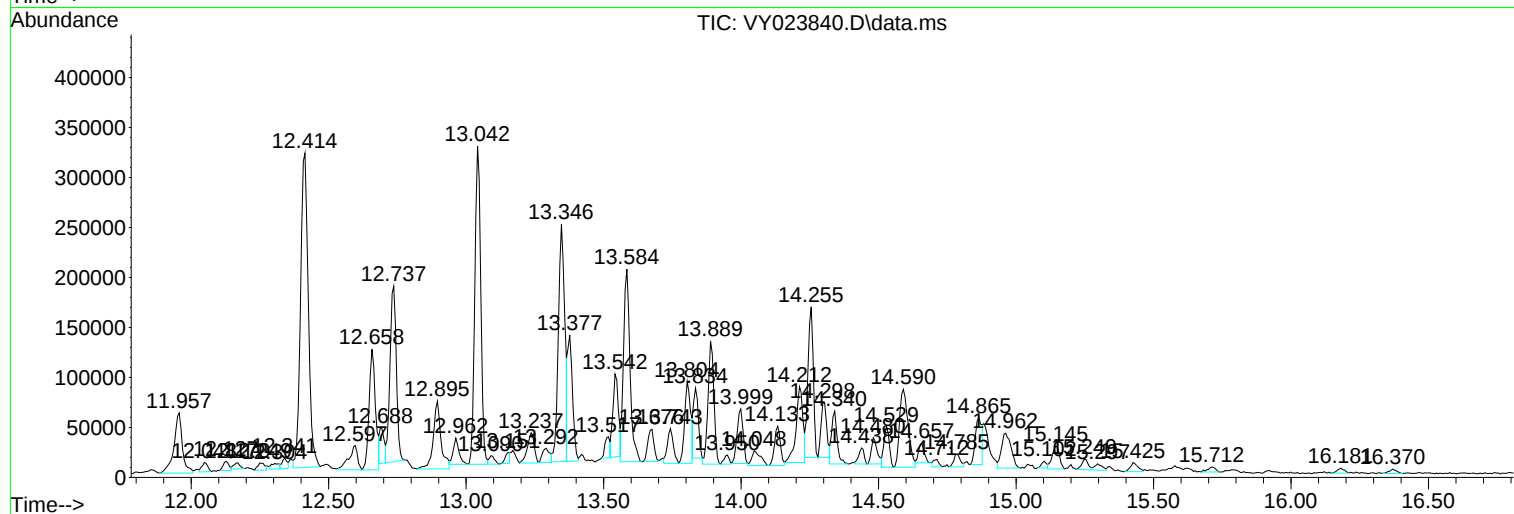
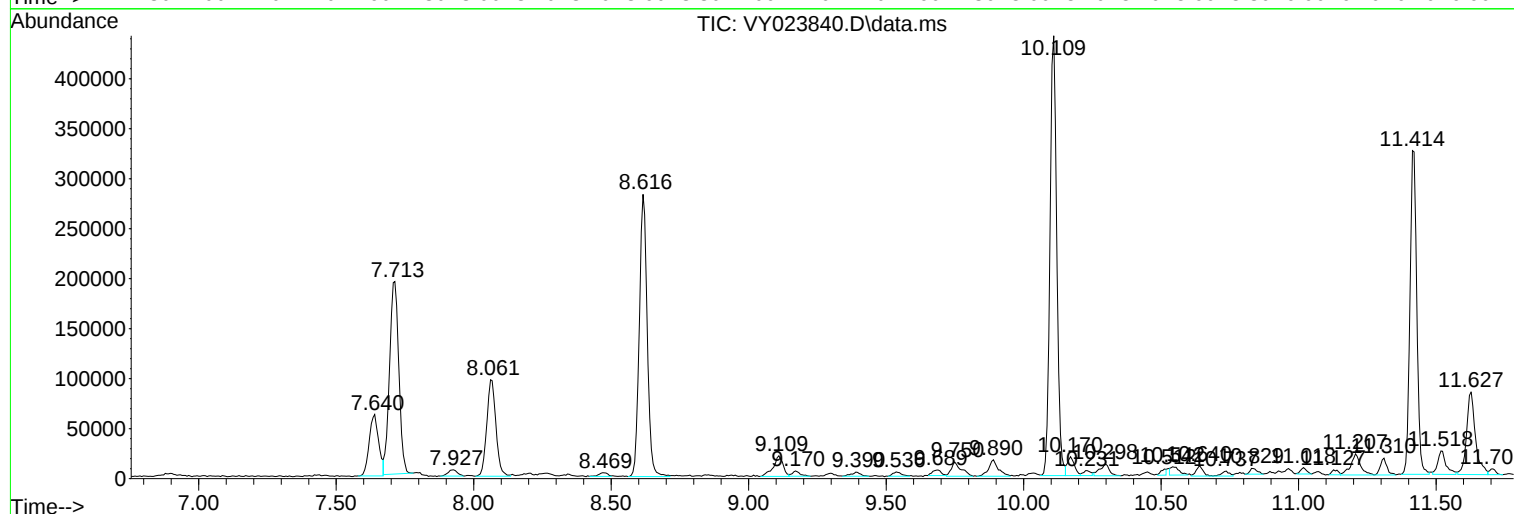
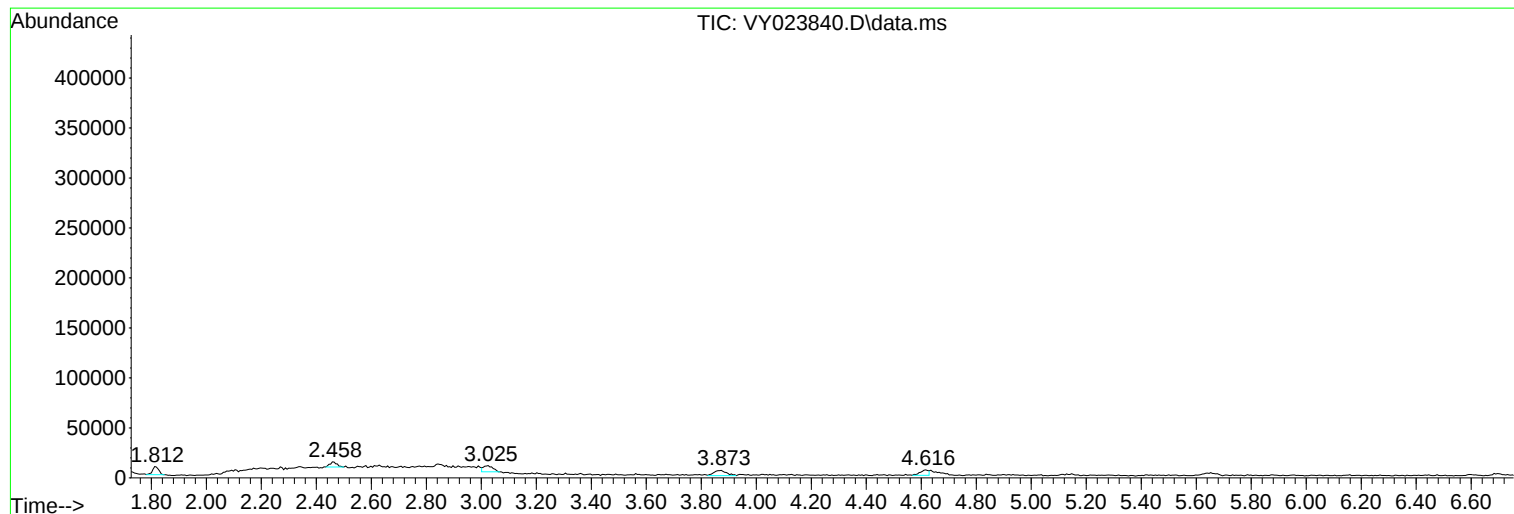
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



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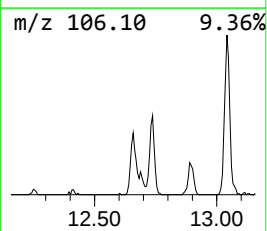
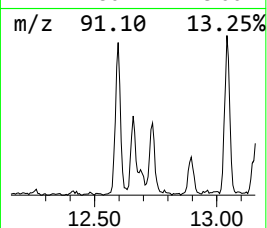
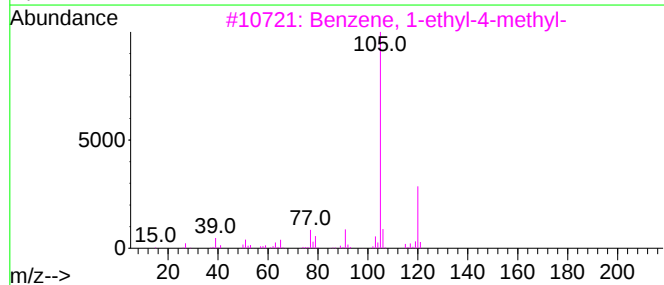
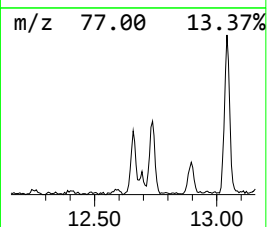
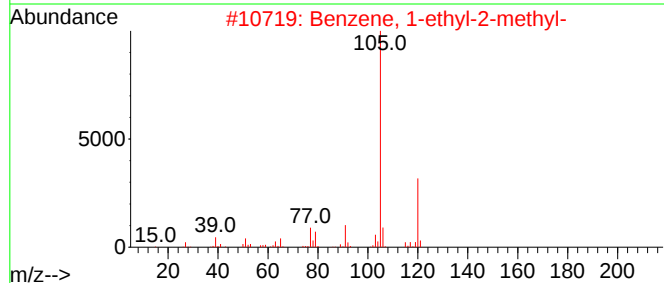
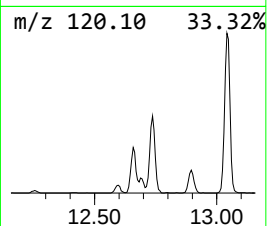
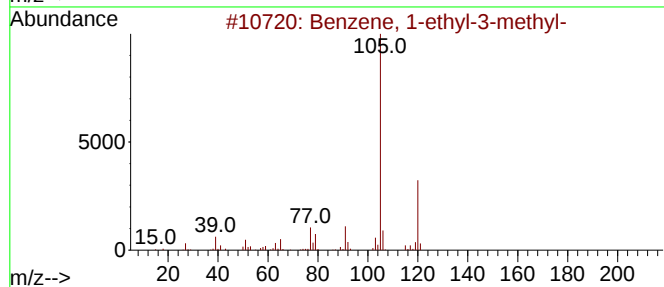
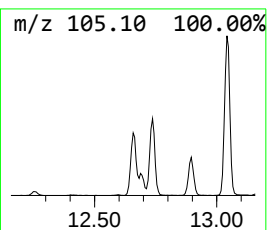
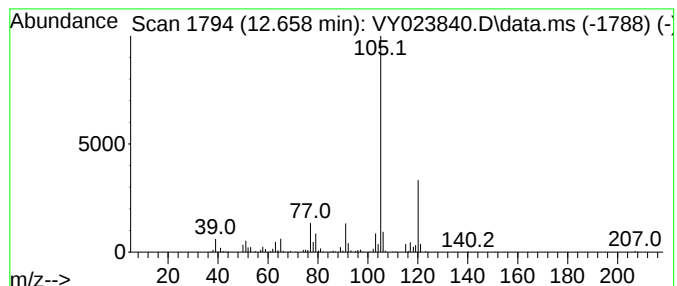
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260

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

Peak Number 1 Benzene, 1-ethyl-3-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.658	24.92 ug/l	196498	1,4-Dichlorobenzene-d4	13.347

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
2			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3			Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4			Mesitylene	120	C9H12	000108-67-8	91
5			Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91



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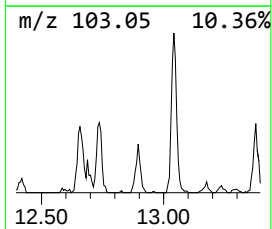
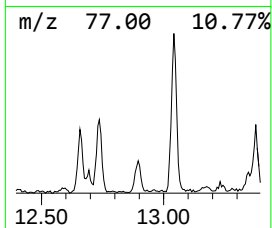
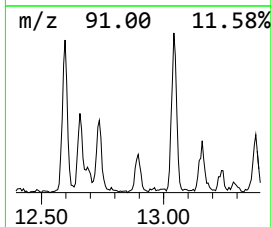
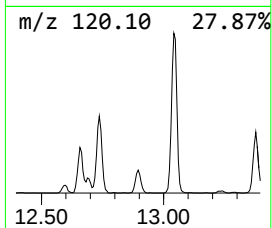
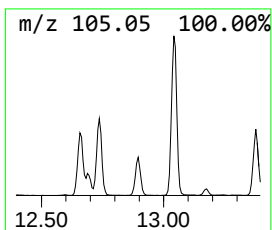
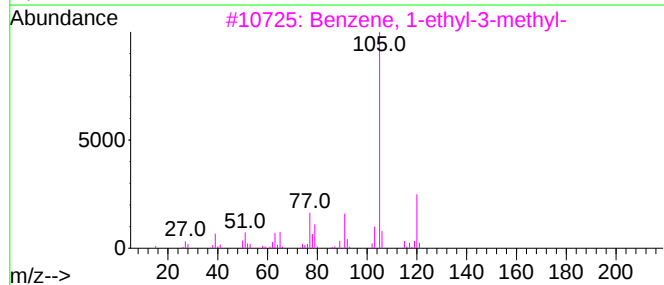
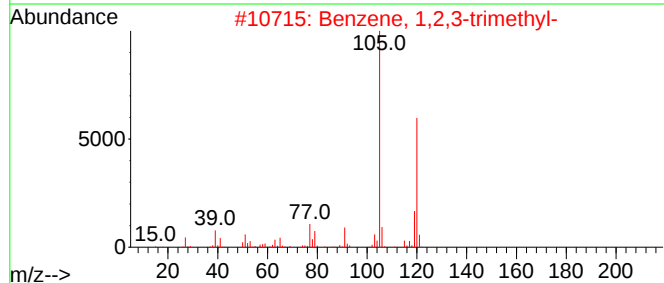
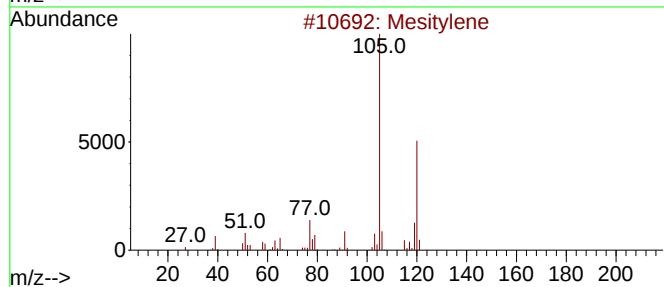
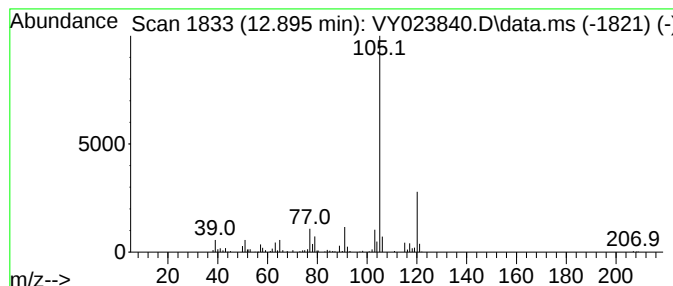
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260

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

Peak Number 2 Benzene, 1,2,3-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.895	16.84 ug/l	132809	1,4-Dichlorobenzene-d4	13.347

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Mesitylene	120	C9H12	000108-67-8	91
2			Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
3			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
4			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90
5			Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90



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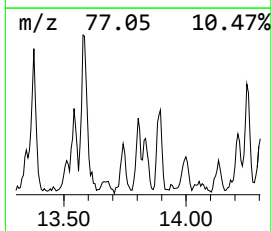
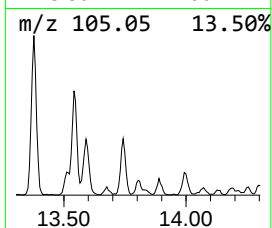
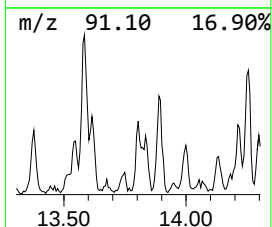
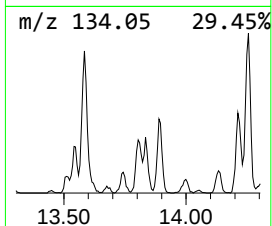
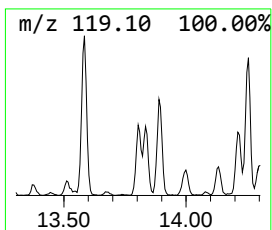
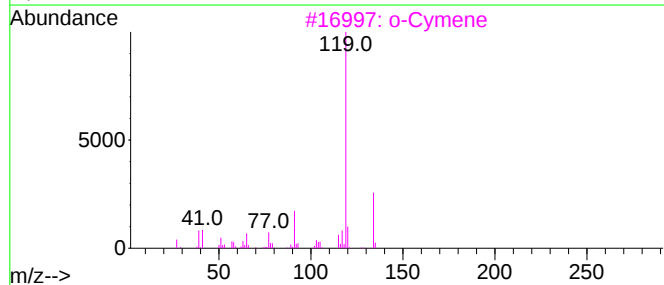
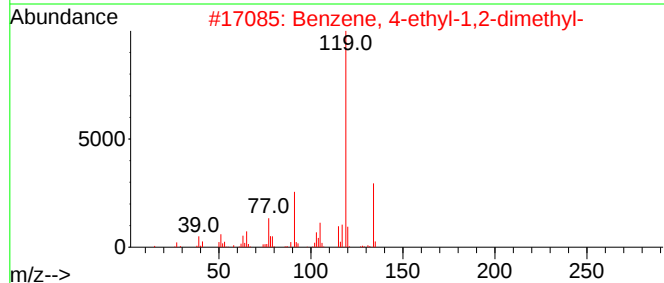
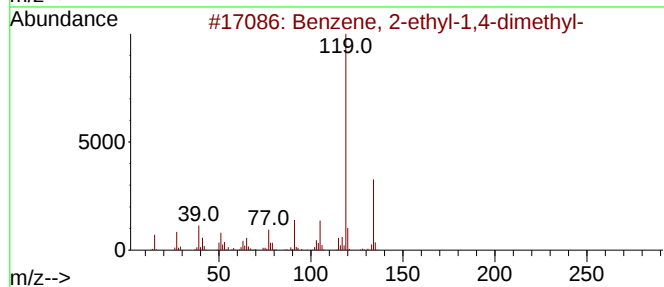
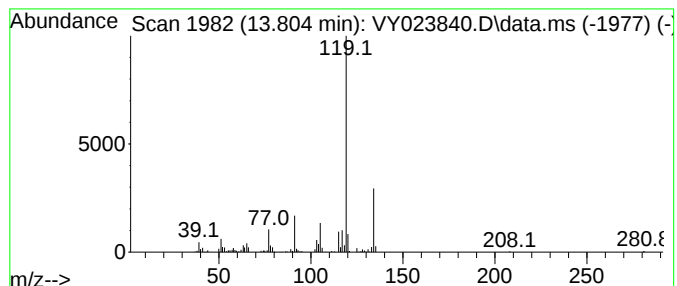
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260

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

Peak Number 4 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.804	16.36 ug/l	128986	1,4-Dichlorobenzene-d4	13.347

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
2			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
3			o-Cymene	134	C10H14	000527-84-4	94
4			Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91
5			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023840.D
Acq On : 01 Dec 2025 13:59
Operator : SY/MD
Sample : Q3741-05
Misc : 4.78g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP11-112525

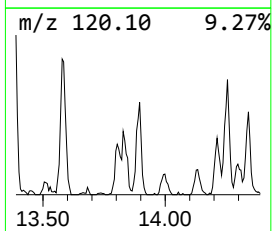
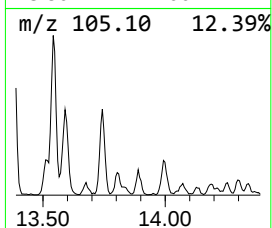
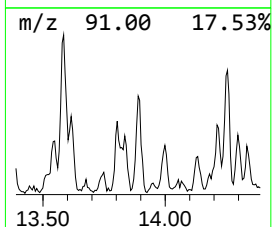
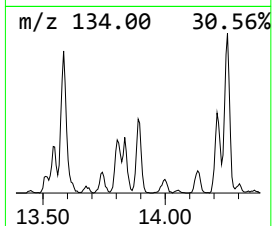
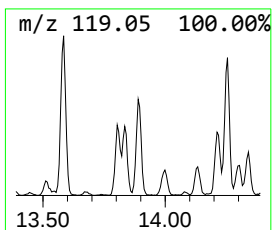
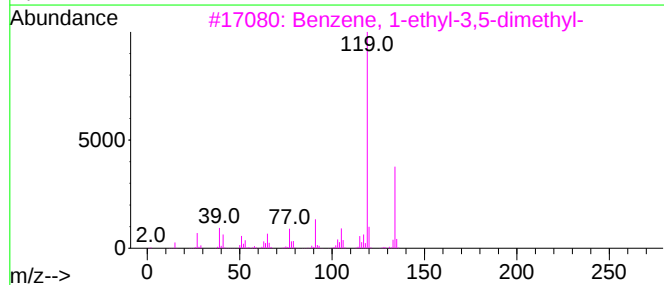
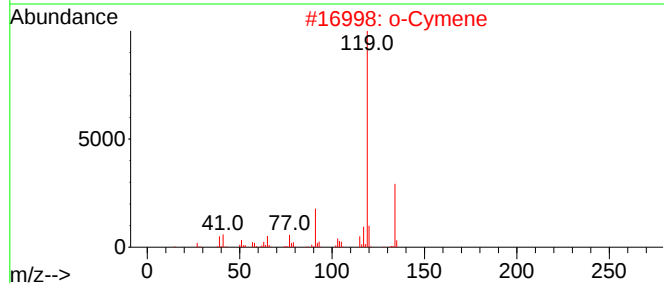
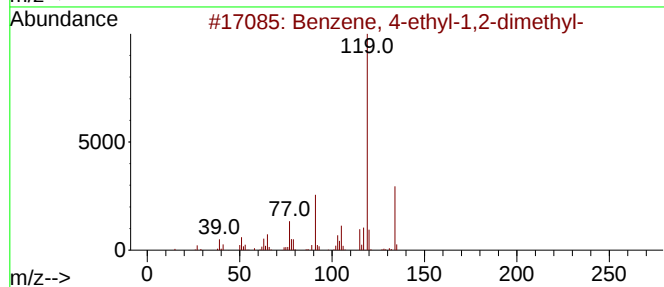
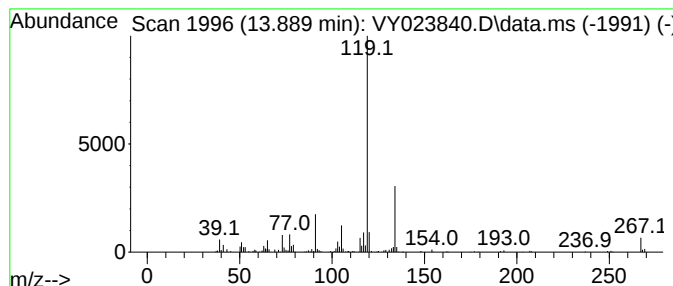
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Quant Title : SW846 8260

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

Peak Number 5 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.889	22.98 ug/l	181196	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	93
2			o-Cymene	134	C10H14	000527-84-4	93
3			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	93
4			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	90
5			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023840.D
Acq On : 01 Dec 2025 13:59
Operator : SY/MD
Sample : Q3741-05
Misc : 4.78g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP11-112525

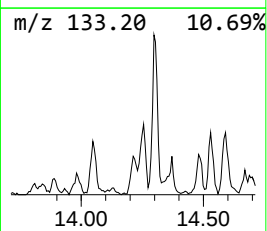
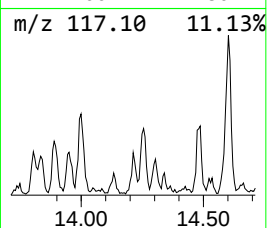
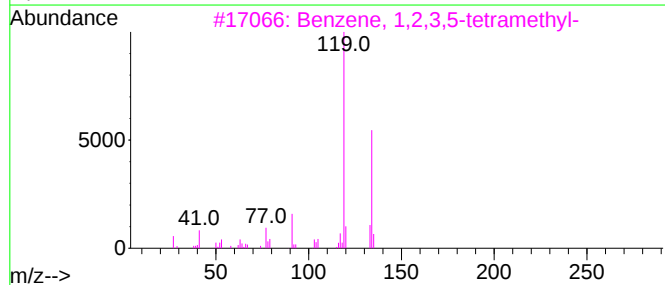
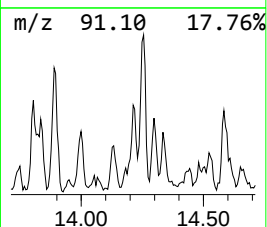
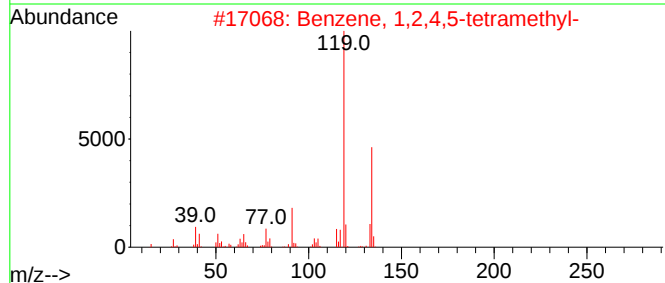
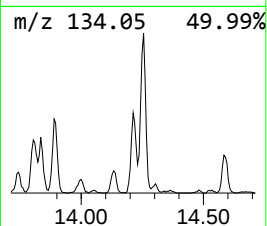
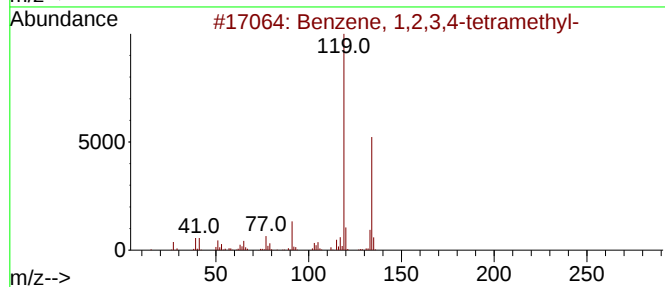
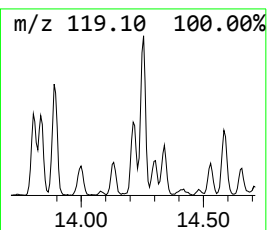
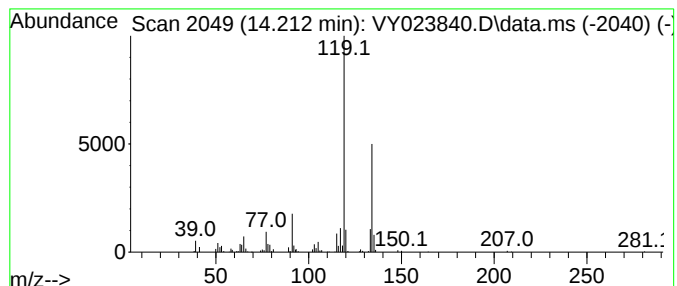
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Quant Title : SW846 8260

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

Peak Number 7 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.212	16.93 ug/l	133511	1,4-Dichlorobenzene-d4	13.347

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
2			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
3			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
4			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
5			o-Cymene	134	C10H14	000527-84-4	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023840.D
Acq On : 01 Dec 2025 13:59
Operator : SY/MD
Sample : Q3741-05
Misc : 4.78g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP11-112525

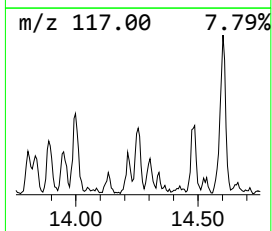
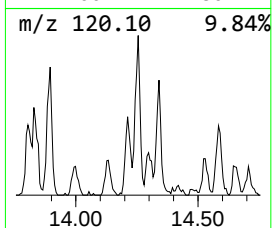
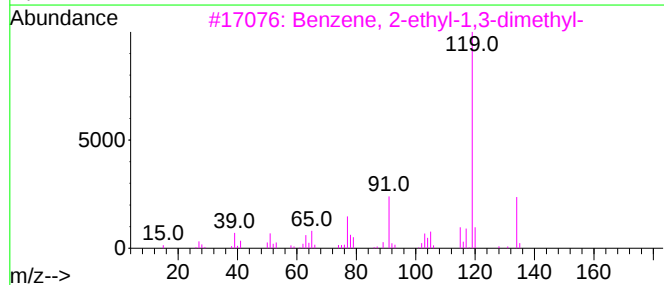
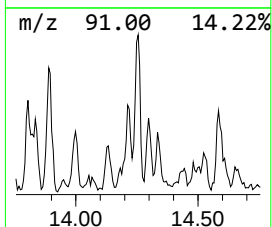
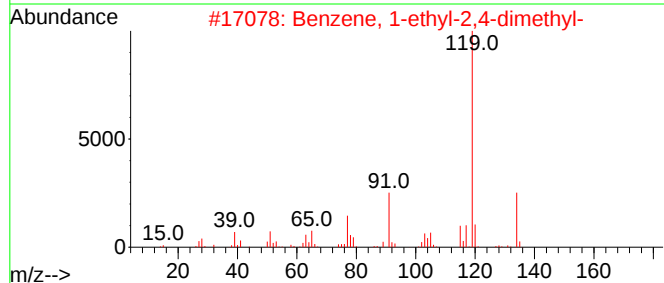
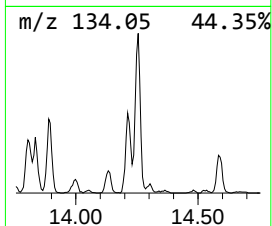
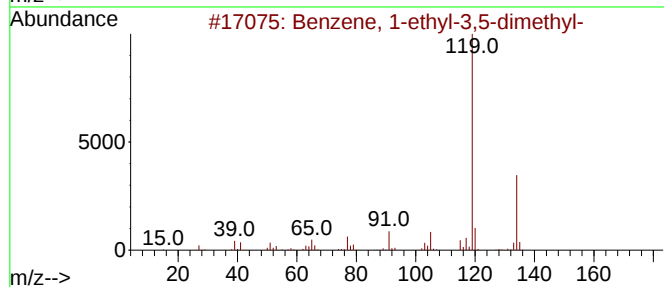
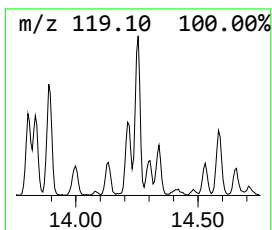
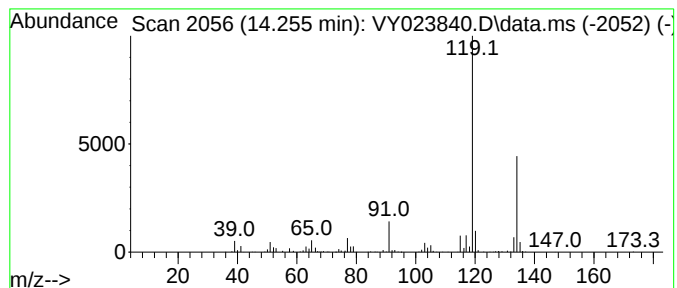
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260

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

Peak Number 8 Benzene, 1-ethyl-3,5-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.255	25.75 ug/l	203067	1,4-Dichlorobenzene-d4	13.347

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	95
2			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
3			Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
4			o-Cymene	134	C10H14	000527-84-4	94
5			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
Data File : VY023840.D
Acq On : 01 Dec 2025 13:59
Operator : SY/MD
Sample : Q3741-05
Misc : 4.78g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B50-SP11-112525

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.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...	12.658	24.9	ug/l	196498	4	13.347	394233	50.0
Benzene, 1,2,3-...	12.895	16.8	ug/l	132809	4	13.347	394233	50.0
Benzene, 2-ethy...	13.804	16.4	ug/l	128986	4	13.347	394233	50.0
Benzene, 4-ethy...	13.889	23.0	ug/l	181196	4	13.347	394233	50.0
Benzene, 1,2,3,...	14.212	16.9	ug/l	133511	4	13.347	394233	50.0
Benzene, 1-ethy...	14.255	25.8	ug/l	203067	4	13.347	394233	50.0