

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111125\
 Data File : VY023743.D
 Acq On : 11 Nov 2025 16:24
 Operator : SY/MD
 Sample : Q3588-03
 Misc : 5.91g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-01-11072025

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

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

Signal : TIC: VY023743.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.501	118	128	134	rBV9	13023	47885	1.11%	0.076%
2	4.617	466	475	488	rBV3	17161	54747	1.27%	0.087%
3	5.653	631	645	670	rBV2	446418	1398628	32.48%	2.218%
4	7.634	959	970	976	rBV	602791	1456294	33.82%	2.309%
5	7.714	976	983	999	rVB	986340	2257585	52.42%	3.580%
6	8.067	1029	1041	1052	rBV	492662	1111680	25.81%	1.763%
7	8.616	1122	1131	1146	rBV	1529341	2973529	69.05%	4.715%
8	10.109	1367	1376	1383	rBV	2299673	3964076	92.05%	6.285%
9	11.414	1581	1590	1603	rBV	2058543	3369332	78.24%	5.342%
10	11.951	1666	1678	1683	rBV	34832	73899	1.72%	0.117%
11	12.408	1746	1753	1765	rBV	1550949	2497209	57.99%	3.960%
12	12.658	1787	1794	1796	rBV	91411	135095	3.14%	0.214%
13	12.694	1796	1800	1802	rVV	130394	199850	4.64%	0.317%
14	12.737	1802	1807	1812	rVV	347384	540483	12.55%	0.857%
15	12.896	1826	1833	1840	rBV	294496	473125	10.99%	0.750%
16	12.963	1840	1844	1851	rVB3	69882	117602	2.73%	0.186%
17	13.042	1851	1857	1863	rBV	213734	339311	7.88%	0.538%
18	13.170	1872	1878	1882	rVB5	39792	67072	1.56%	0.106%
19	13.237	1882	1889	1893	rBV2	242281	410346	9.53%	0.651%
20	13.292	1893	1898	1901	rVB	84854	116811	2.71%	0.185%
21	13.347	1901	1907	1910	rBV	1768745	2863926	66.50%	4.541%
22	13.377	1910	1912	1917	rVB	863257	1030633	23.93%	1.634%
23	13.511	1930	1934	1936	rBV	214303	310417	7.21%	0.492%
24	13.542	1936	1939	1943	rVV2	834709	1206223	28.01%	1.913%
25	13.584	1943	1946	1954	rVB2	975097	1571033	36.48%	2.491%
26	13.670	1954	1960	1965	rBV2	350662	584107	13.56%	0.926%
27	13.743	1965	1972	1978	rBV	496028	776121	18.02%	1.231%
28	13.804	1978	1982	1985	rBV	288974	434760	10.10%	0.689%
29	13.834	1985	1987	1991	rVB	262684	297679	6.91%	0.472%
30	13.889	1991	1996	2001	rVB2	1081264	1583903	36.78%	2.511%
31	13.950	2001	2006	2009	rBV	225435	335766	7.80%	0.532%
32	13.999	2009	2014	2019	rVB	1132914	1709862	39.70%	2.711%
33	14.054	2019	2023	2024	rBV	114297	155723	3.62%	0.247%
34	14.133	2030	2036	2039	rBV2	358639	546216	12.68%	0.866%
35	14.176	2039	2043	2046	rVV2	168860	252012	5.85%	0.400%
36	14.212	2046	2049	2052	rVV	540106	732631	17.01%	1.162%

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Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
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37	14.255	2052	2056	2060	rVB	916817	1211755	28.14%	1.921%
38	14.298	2060	2063	2066	rBV	418891	526493	12.23%	0.835%
39	14.340	2066	2070	2074	rVB2	334248	433699	10.07%	0.688%
40	14.438	2081	2086	2090	rVB2	410505	567490	13.18%	0.900%
41	14.481	2090	2093	2098	rVV3	536220	855119	19.86%	1.356%
42	14.529	2098	2101	2105	rVB	518954	688679	15.99%	1.092%
43	14.603	2105	2113	2118	rBV4	2038702	4306506	100.00%	6.828%
44	14.657	2118	2122	2127	rVB2	315924	483955	11.24%	0.767%
45	14.749	2132	2137	2145	rVB	1544036	2219457	51.54%	3.519%
46	14.822	2145	2149	2150	rBV	228060	282484	6.56%	0.448%
47	14.859	2150	2155	2158	rVV3	742322	1347884	31.30%	2.137%
48	14.889	2158	2160	2165	rVV	520427	795578	18.47%	1.261%
49	14.968	2167	2173	2180	rVB2	815775	1749335	40.62%	2.774%
50	15.048	2183	2186	2191	rVB3	68698	122406	2.84%	0.194%
51	15.121	2191	2198	2201	rBV5	124100	302040	7.01%	0.479%
52	15.200	2206	2211	2215	rBV	717717	1063673	24.70%	1.687%
53	15.267	2215	2222	2231	rVV5	405376	1386349	32.19%	2.198%
54	15.340	2231	2234	2241	rVB4	165664	278169	6.46%	0.441%
55	15.432	2242	2249	2255	rBV3	471524	924534	21.47%	1.466%
56	15.505	2257	2261	2265	rVB	70139	107215	2.49%	0.170%
57	15.590	2266	2275	2276	rBV3	354125	675146	15.68%	1.071%
58	15.627	2276	2281	2290	rVB	1170699	2120180	49.23%	3.362%
59	15.712	2290	2295	2300	rBV4	145435	267014	6.20%	0.423%
60	15.785	2300	2307	2312	rBV3	252615	548404	12.73%	0.870%
61	15.925	2322	2330	2341	rBV	595995	1306021	30.33%	2.071%
62	16.114	2352	2361	2368	rBV3	503160	1157406	26.88%	1.835%
63	16.181	2368	2372	2377	rVV	166117	286164	6.64%	0.454%
64	16.377	2396	2404	2409	rBV5	162000	435948	10.12%	0.691%
65	16.431	2410	2413	2418	rVV2	99372	170189	3.95%	0.270%
66	16.505	2419	2425	2434	rVB3	110839	289343	6.72%	0.459%
67	16.706	2451	2458	2467	rVB5	48484	162836	3.78%	0.258%

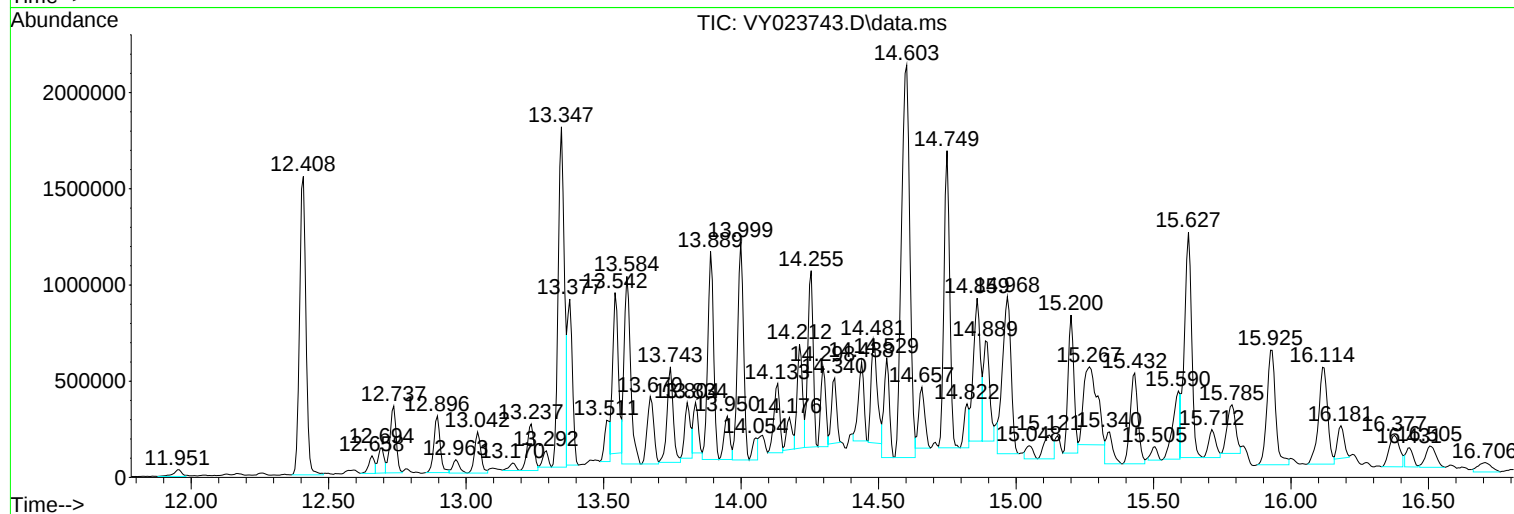
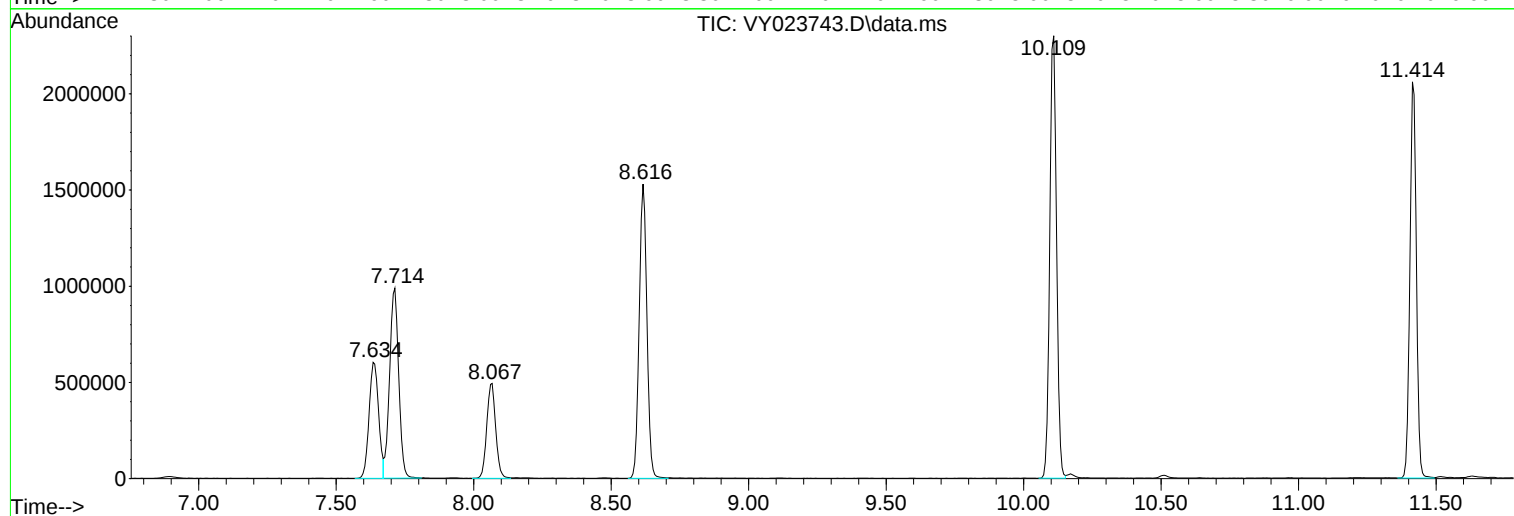
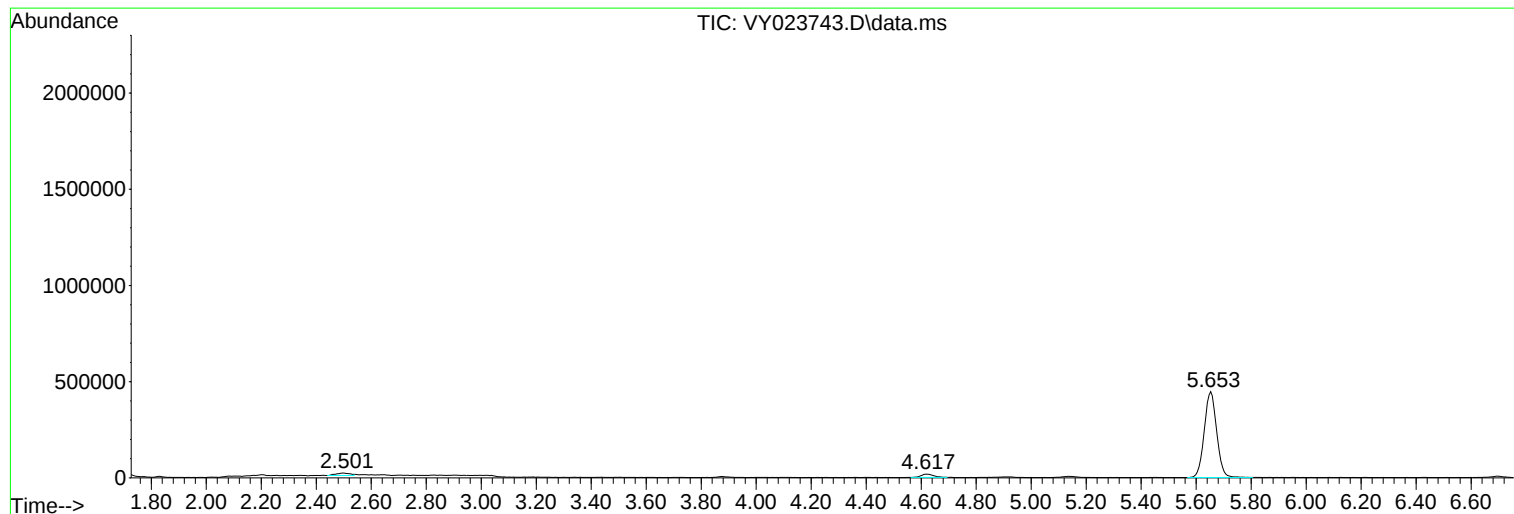
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260

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



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Instrument :
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ClientSampleId :
TR-01-11072025

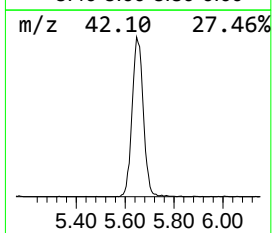
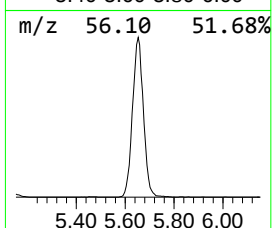
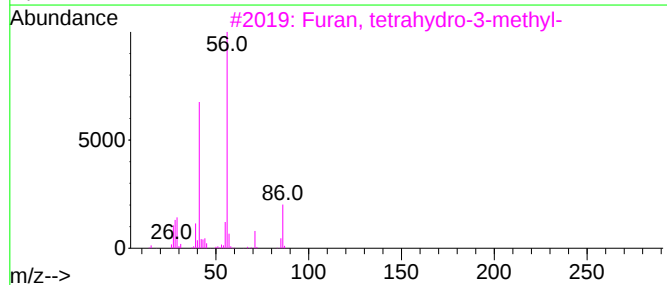
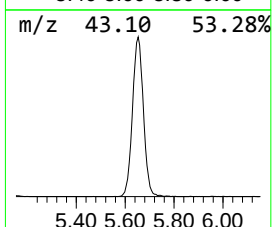
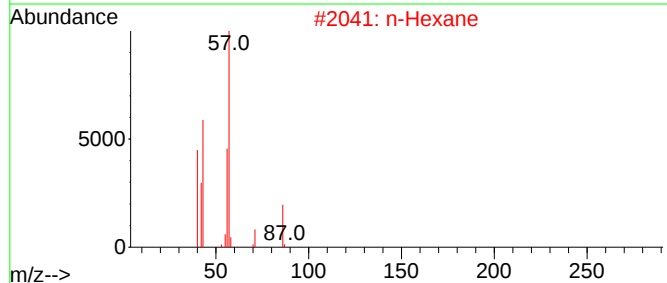
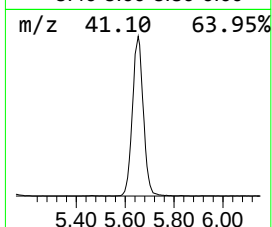
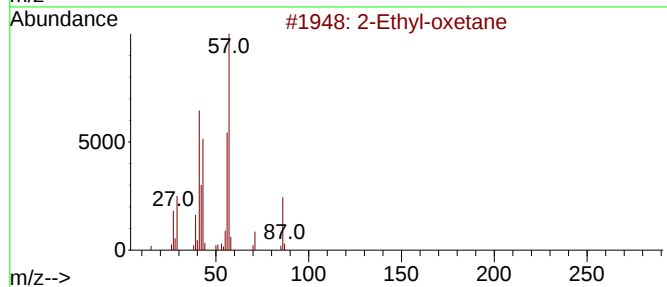
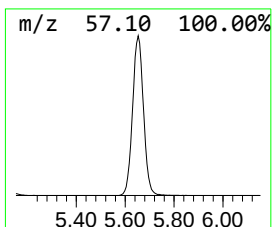
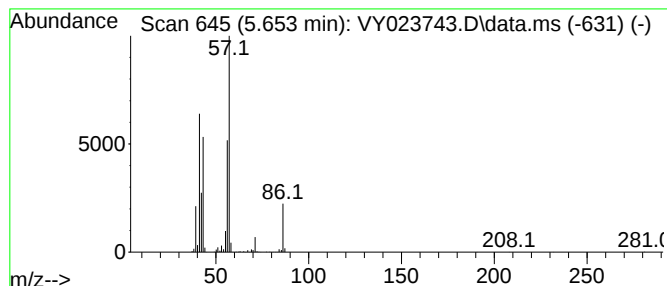
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260

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

Peak Number 1 2-Ethyl-oxetane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.653	30.98 ug/l	1398630	Pentafluorobenzene	7.713

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Ethyl-oxetane	86	C5H10O	1010386-40-2	91
2			n-Hexane	86	C6H14	000110-54-3	87
3			Furan, tetrahydro-3-methyl-	86	C5H10O	013423-15-9	47
4			Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	40
5			Hydroperoxide, hexyl	118	C6H14O2	004312-76-9	38



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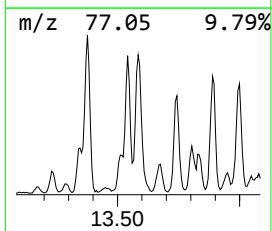
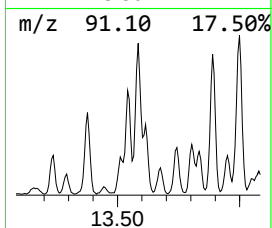
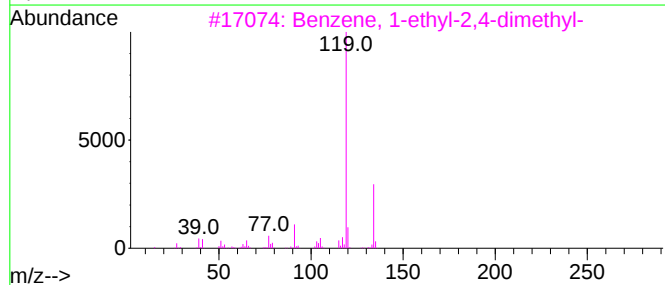
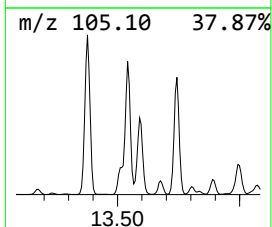
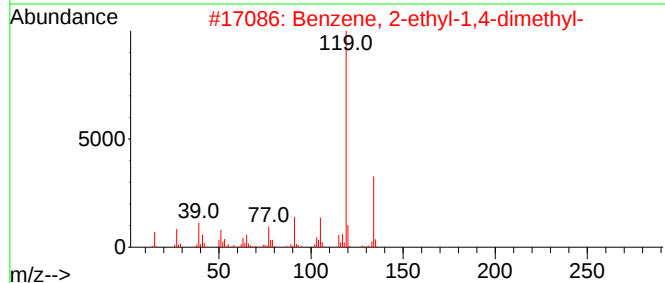
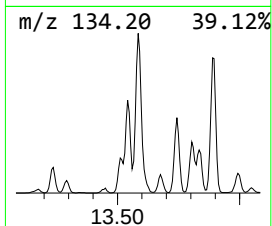
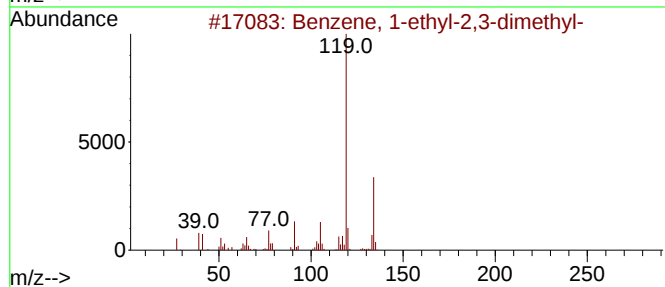
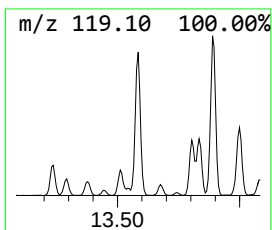
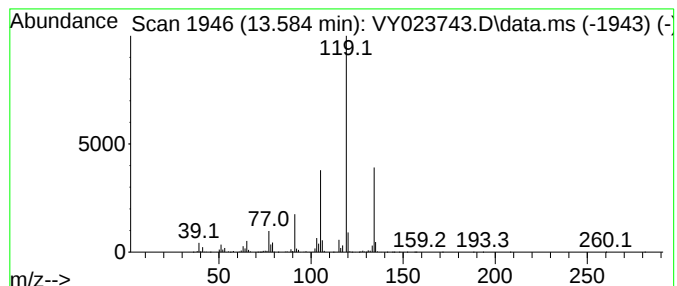
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260

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

Peak Number 2 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.584	27.43 ug/l	1571030	1,4-Dichlorobenzene-d4	13.347

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
2			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	90
3			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	90
4			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	87
5			p-Cymene	134	C10H14	000099-87-6	87



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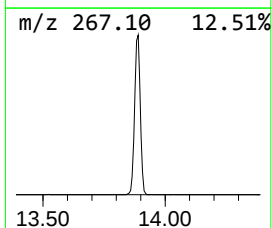
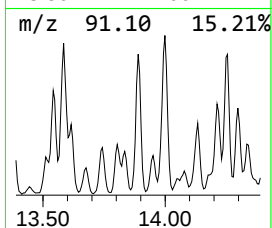
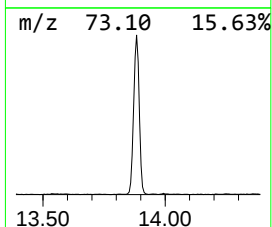
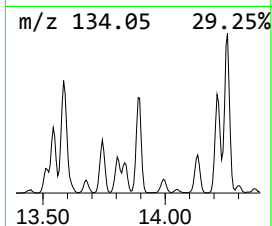
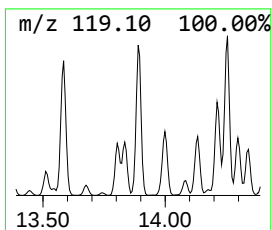
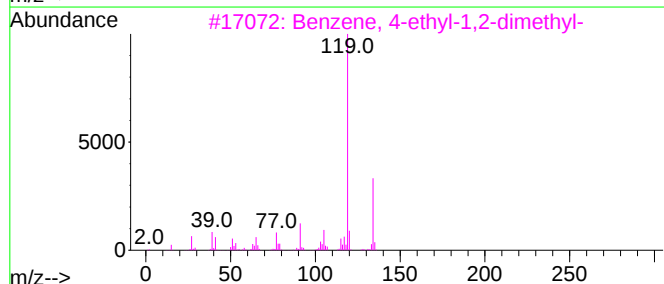
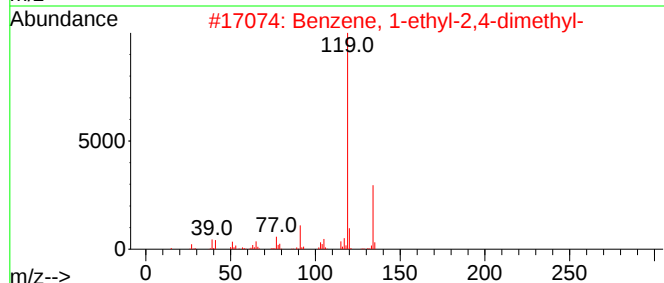
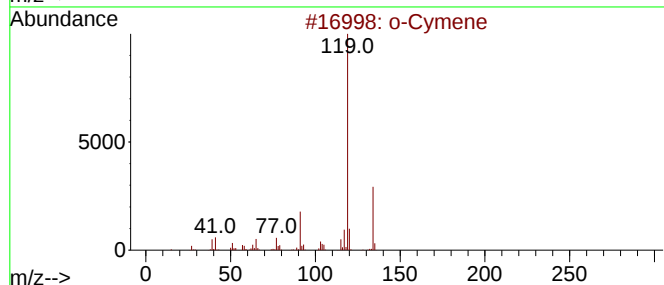
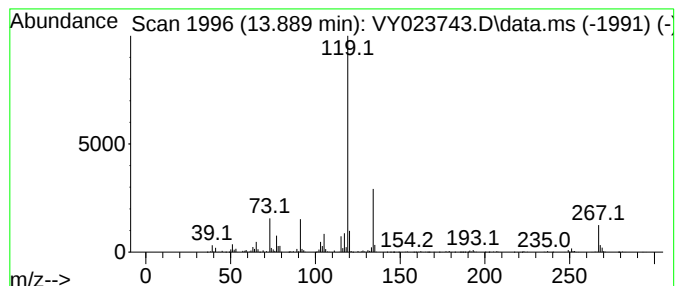
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Peak Number 3 o-Cymene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.889	27.65 ug/l	1583900	1,4-Dichlorobenzene-d4	13.347

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			o-Cymene	134	C10H14	000527-84-4	95
2			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	95
3			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
4			Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
5			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94



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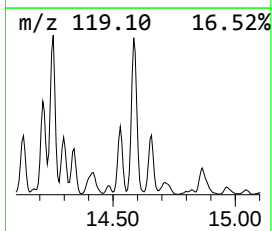
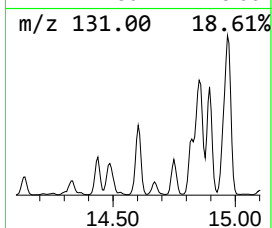
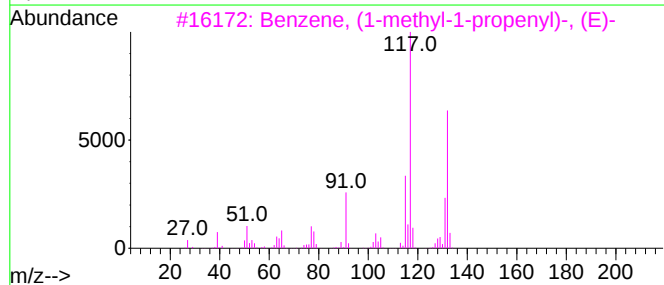
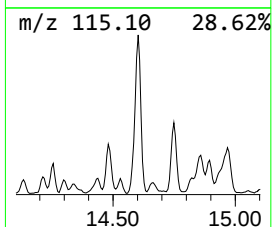
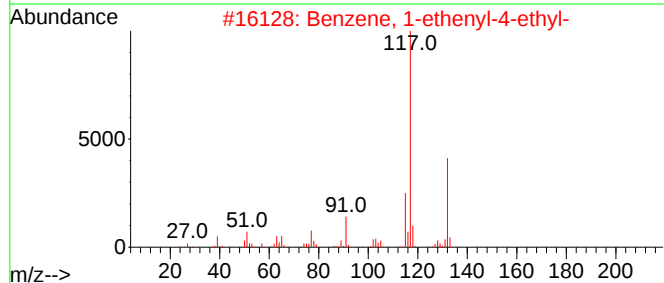
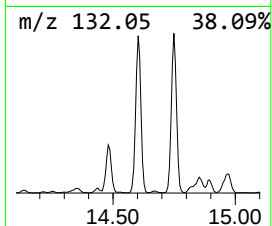
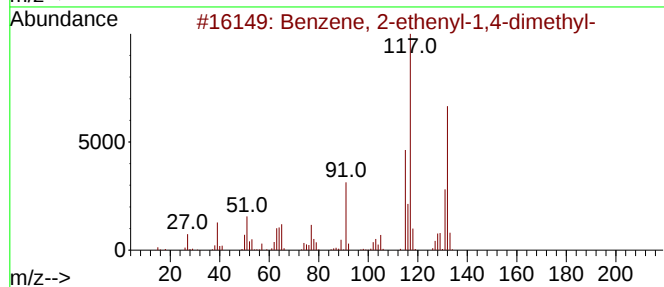
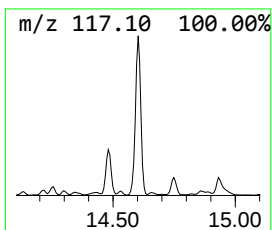
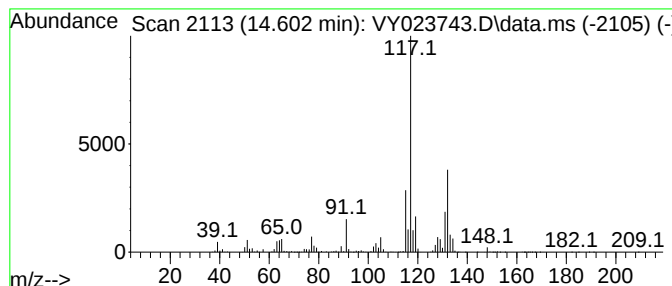
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Quant Title : SW846 8260

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

Peak Number 5 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.602	75.19 ug/l	4306510	1,4-Dichlorobenzene-d4	13.347

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	92
2			Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	91
3			Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	90
4			3-Phenylbut-1-ene	132	C10H12	000934-10-1	90
5			1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111125\
Data File : VY023743.D
Acq On : 11 Nov 2025 16:24
Operator : SY/MD
Sample : Q3588-03
Misc : 5.91g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TR-01-11072025

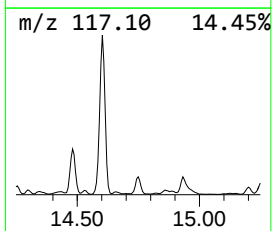
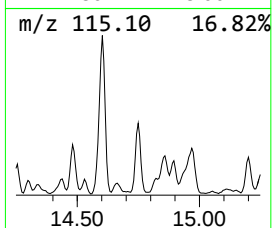
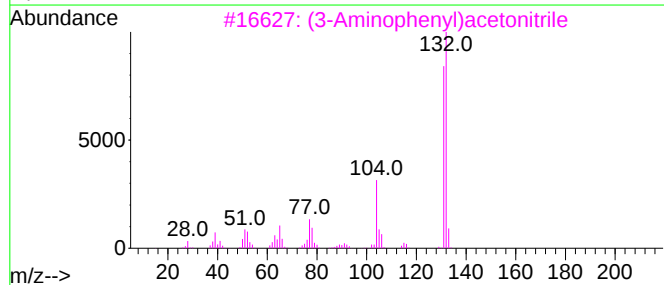
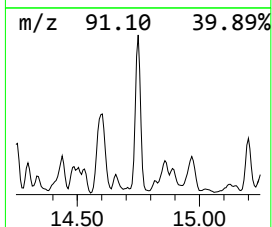
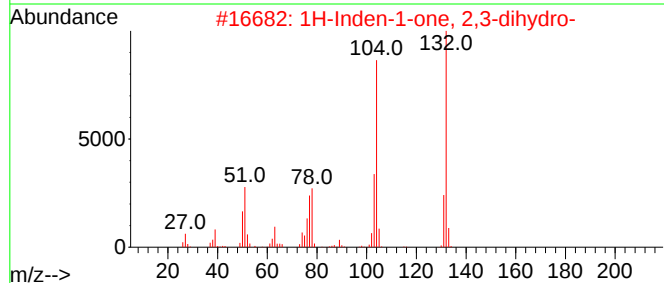
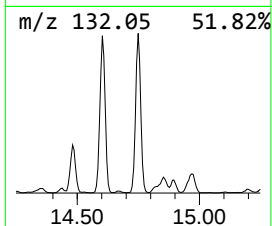
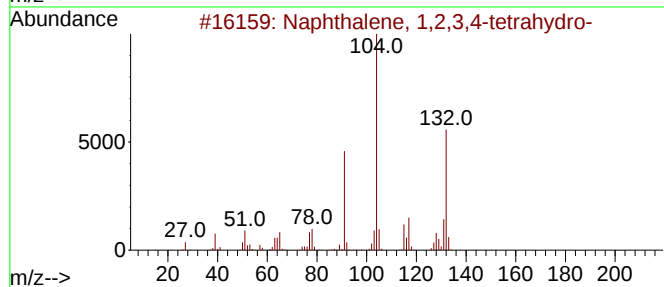
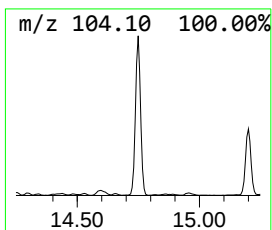
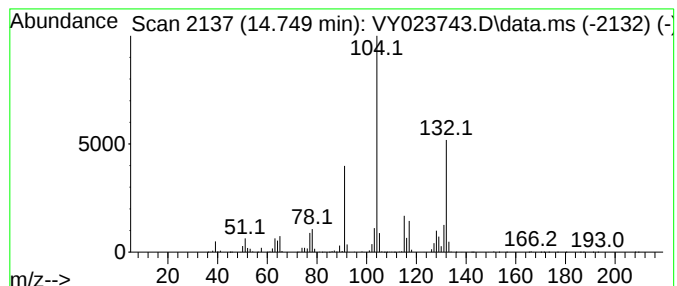
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260

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

Peak Number 6 Naphthalene, 1,2,3,4-tetrahydro- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.749	38.75 ug/l	2219460	1,4-Dichlorobenzene-d4	13.347

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,2,3,4-tetrahydro-	132	C10H12	000119-64-2	96
2			1H-Inden-1-one, 2,3-dihydro-	132	C9H8O	000083-33-0	59
3			(3-Aminophenyl)acetonitrile	132	C8H8N2	004623-24-9	59
4			Benzene, 3-cyclohexen-1-yl-	158	C12H14	004994-16-5	47
5			2-Methylbenzyl cyanide	131	C9H9N	022364-68-7	46



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111125\
Data File : VY023743.D
Acq On : 11 Nov 2025 16:24
Operator : SY/MD
Sample : Q3588-03
Misc : 5.91g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TR-01-11072025

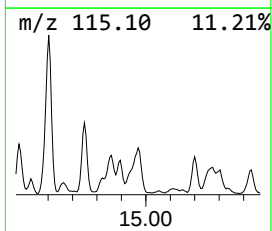
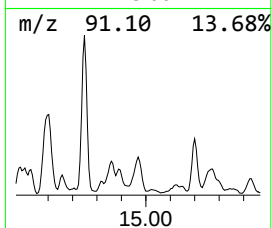
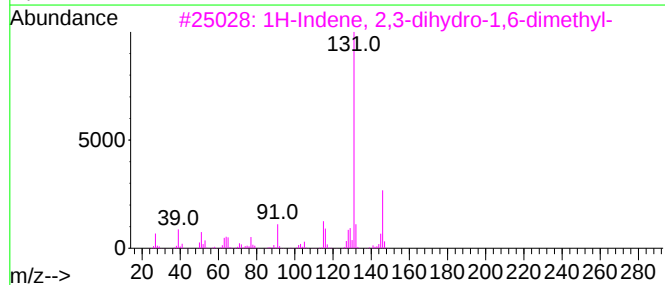
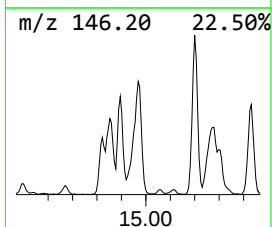
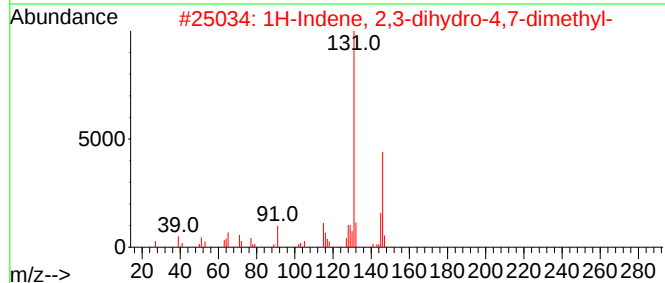
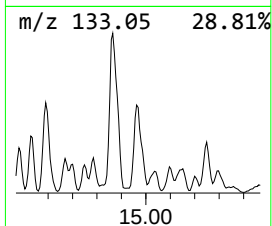
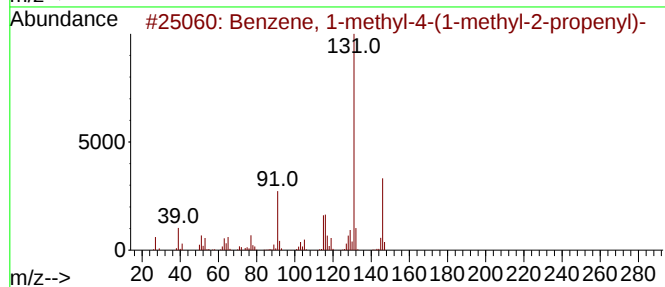
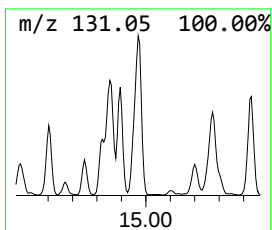
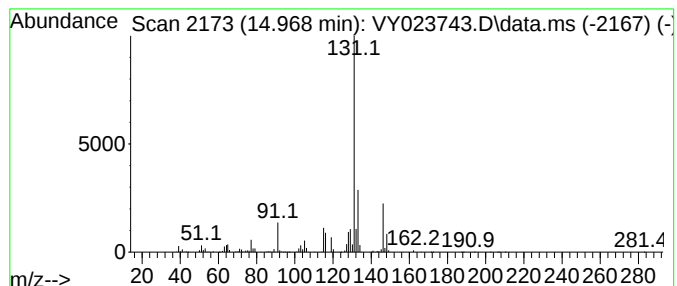
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Quant Title : SW846 8260

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

Peak Number 8 Benzene, 1-methyl-4-(1-meth... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.968	30.54 ug/l	1749340	1,4-Dichlorobenzene-d4	13.347

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	87
2			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	81
3			1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	81
4			1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	81
5			2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	81



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111125\
Data File : VY023743.D
Acq On : 11 Nov 2025 16:24
Operator : SY/MD
Sample : Q3588-03
Misc : 5.91g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TR-01-11072025

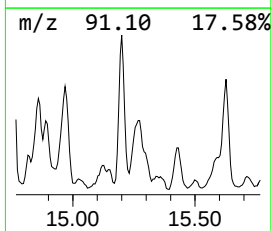
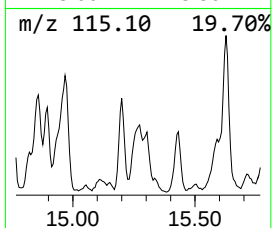
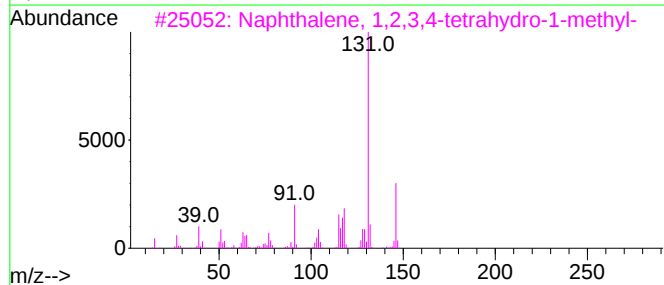
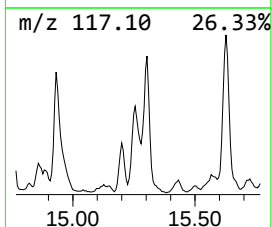
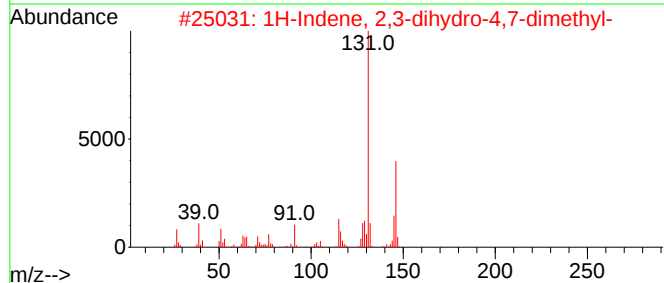
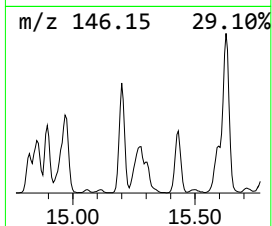
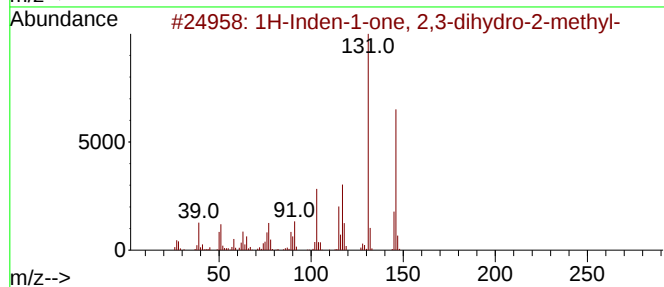
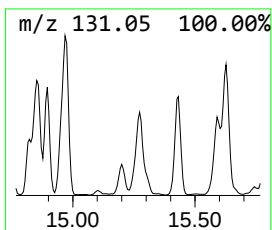
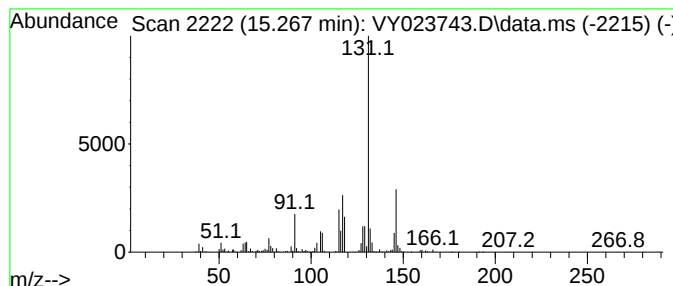
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Quant Title : SW846 8260

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

Peak Number 9 1H-Inden-1-one, 2,3-dihydro... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.267	24.20 ug/l	1386350	1,4-Dichlorobenzene-d4	13.347

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Inden-1-one, 2,3-dihydro-2-me...	146	C10H10O	017496-14-9	90
2			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	87
3			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001559-81-5	87
4			Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	87
5			1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111125\
Data File : VY023743.D
Acq On : 11 Nov 2025 16:24
Operator : SY/MD
Sample : Q3588-03
Misc : 5.91g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TR-01-11072025

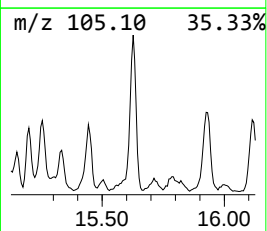
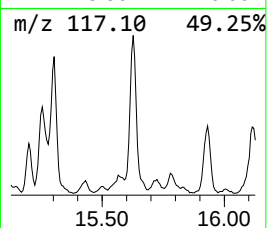
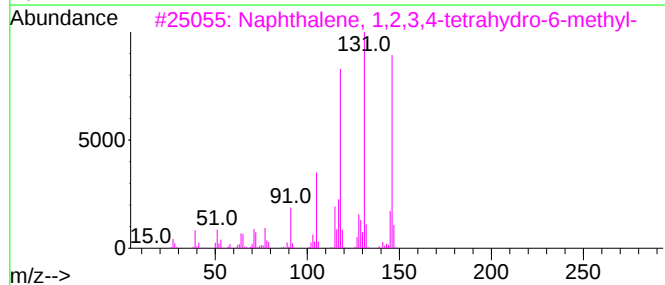
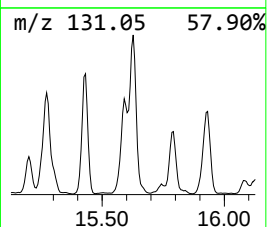
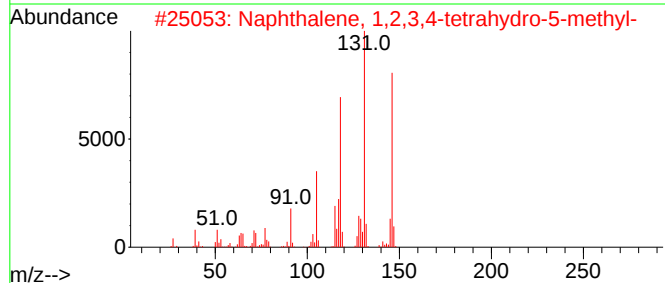
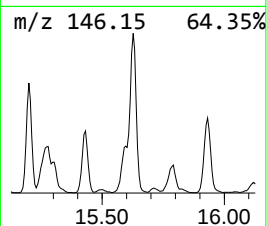
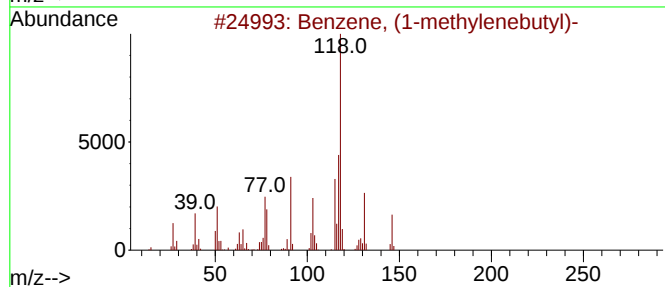
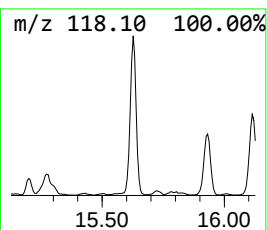
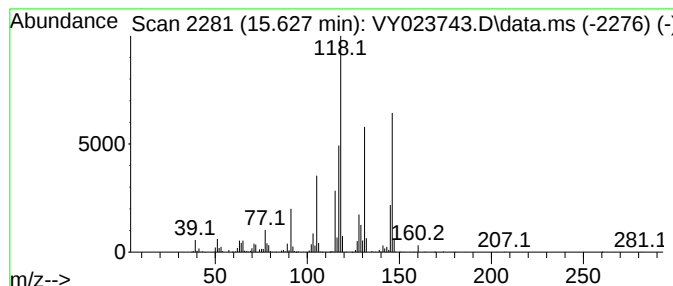
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
Quant Title : SW846 8260

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

Peak Number 10 Benzene, (1-methylenebutyl)- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.627	37.02 ug/l	2120180	1,4-Dichlorobenzene-d4	13.347

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, (1-methylenebutyl)-	146	C11H14	005676-32-4	87
2			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	002809-64-5	64
3			Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	001680-51-9	64
4			1H-1,3,2-Benzodiazaborole, 2-eth...	146	C8H11BN2	074663-81-3	55
5			2-Propyn-1-ol, 3-(4-methylphenyl)-	146	C10H10O	016017-24-6	55



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111125\
Data File : VY023743.D
Acq On : 11 Nov 2025 16:24
Operator : SY/MD
Sample : Q3588-03
Misc : 5.91g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TR-01-11072025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.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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Benzene, 1-ethy...	13.584	27.4	ug/l	1571030	4	13.347	2863930	50.0
o-Cymene	13.889	27.6	ug/l	1583900	4	13.347	2863930	50.0
Benzene, 2-ethe...	14.602	75.2	ug/l	4306510	4	13.347	2863930	50.0
Naphthalene, 1,...	14.749	38.8	ug/l	2219460	4	13.347	2863930	50.0
Benzene, 1-meth...	14.968	30.5	ug/l	1749340	4	13.347	2863930	50.0
1H-Inden-1-one,...	15.267	24.2	ug/l	1386350	4	13.347	2863930	50.0
Benzene, (1-met...	15.627	37.0	ug/l	2120180	4	13.347	2863930	50.0